

1918

HENRY HASTON & SONS



220 N. 2nd St.  
Pittsburgh, Pa.



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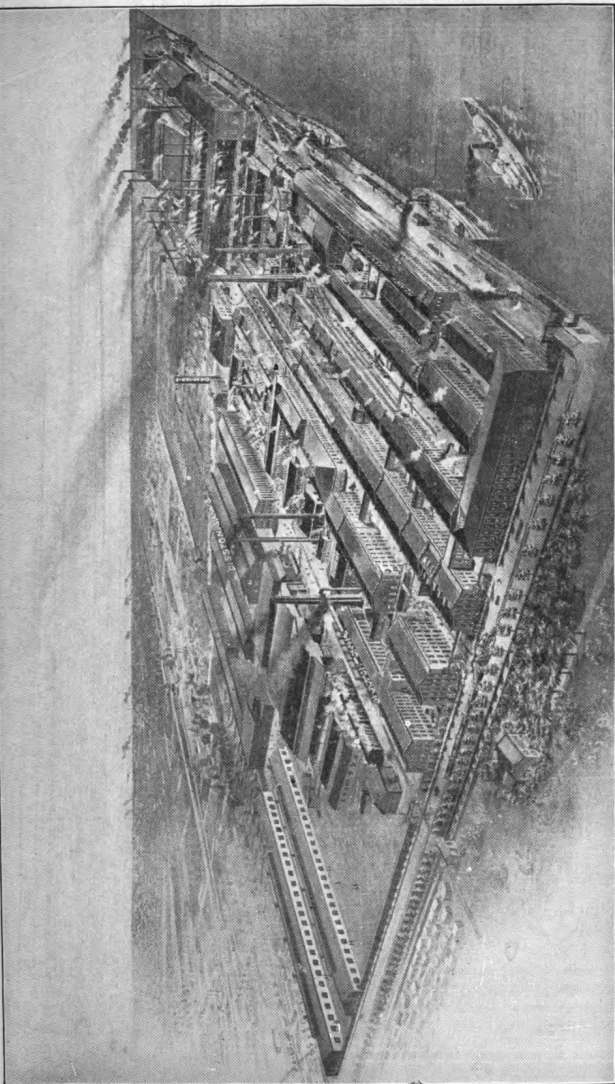
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**HENRY DISSTON & SONS**  
INCORPORATED  
KEYSTONE SAW, TOOL, STEEL AND FILE WORKS  
PHILADELPHIA, U. S. A.

3600 EMPLOYEES  
68 BUILDINGS

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## IMPORTANT NOTICE

**F**LUCTUATING prices of raw materials and labor have made changes in the selling price of our products, from time to time, unavoidable. Therefore, this catalog is used only to illustrate and describe the various Disston products—the list prices shown are not intended as an accurate indication of the selling price of Disston Saws, Files and Tools.

We request that anyone wishing the correct selling price of any item listed in the catalog consult their local dealer or, if this is not convenient, write directly to us for prices on items in which they are interested.

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Any saws or tools of our manufacture not obtainable from your jobber will be supplied direct by the factory, provided the name of the jobber is mentioned, through whom they will be invoiced.

HENRY DISSTON & SONS, Inc.

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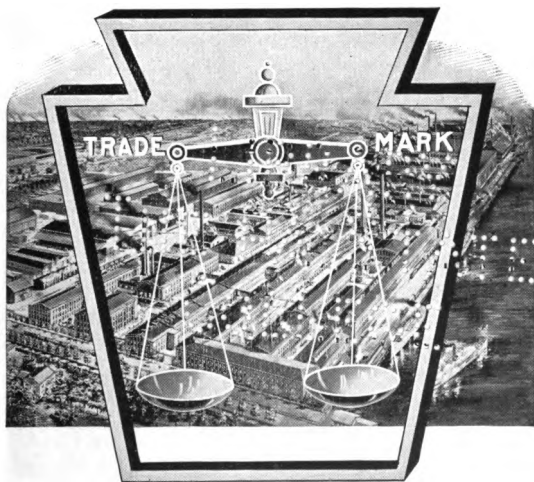
HENRY DISSTON & SONS

# HENRY DISSTON & SONS

INCORPORATED

KEYSTONE SAW, TOOL,  
STEEL AND FILE WORKS

PHILADELPHIA, U. S. A.



CHICAGO, ILL.  
NEW ORLEANS, LA.  
SEATTLE, WASH.  
NEW YORK

BRANCH HOUSES:  
BOSTON, MASS.  
MEMPHIS, TENN.  
CINCINNATI, OHIO  
SYDNEY, AUSTRALIA

BANGOR, MAINE  
SAN FRANCISCO, CAL.  
PORTLAND, ORE.  
VANCOUVER, B. C.

CANADIAN WORKS: TORONTO, CANADA

JANUARY, 1918

THIRD REVISED EDITION

*Quality  
Sells*

**S**PECIAL attention is called to new goods added to the standard line in this new PRICE-LIST of JANUARY, 1918, the merits of which are fully established with the trade and mechanics generally.

Our desire is to impress upon the Trade and all Users, that in addition to the most complete line of Saws manufactured, there is a large variety of Carpenters', Bricklayers' and other Mechanics' Tools of that same "HIGH DISSTON STANDARD"—making these TOOLS the same VALUED ASSET to the Merchants' Stock as DISSTON Saws.

HENRY DISSTON, prior to 1855, imported all the steel used by him in the manufacture of DISSTON Saws; in that year he built and operated his own CRUCIBLE STEEL PLANT, where, employing his wide knowledge of SAW requirements, he carefully investigated and experimented, until he discovered a formula which enabled him to produce the finest SAW-STEEL in the WORLD. From time to time thereafter other formulas were developed and thoroughly tested for the respective needs of other TOOLS bearing the BRAND of DISSTON. This Steel Plant, the first and for a long time the only CRUCIBLE SAW STEEL Plant in the United States, has been continued by HENRY DISSTON & SONS. The improvement of efficiency and output has kept pace with the increasing requirements of SAWS, TOOLS, FILES, KNIVES, Etc.

In the quality of STEEL, therefore, lies the first of a series of reasons for the continued wonderful efficiency of the DISSTON BRAND GOODS.

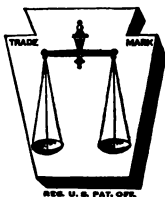
The plant of HENRY DISSTON & SONS was established in 1840, and now consists of 65 acres, 68 buildings in which 3600 employees are at work, progression being strikingly shown by the up-to-date buildings, sanitary appliances and the equipment which consists of the latest improved machinery, much of which was originated and built in the Disston Works.

These remarkable facilities guarantee the HIGHEST STANDARD of QUALITY, and EFFICIENCY of all SAWS, TOOLS, FILES, KNIVES, Etc., bearing the BRAND of DISSTON.

**HENRY DISSTON & SONS**

INCORPORATED

Keystone Saw, Tool, Steel and File Works  
PHILADELPHIA, U. S. A.



**"KEYSTONE"**

**TRADE MARKS REGISTERED  
U. S. PATENT OFFICE**

**I**N addition to the above, many of our other **TRADE MARKS** and **TRADE NAMES** are **REGISTERED** in this and Foreign Countries.

All persons are cautioned against using any of our Trade Marks or Trade Names, except for the purpose of indicating that the goods identified thereby were manufactured by us.

We also caution all persons against imitating the labels we use to identify and describe the articles we manufacture.

**HENRY DISSTON & SONS  
INCORPORATED**

**101288**

## NOTICE

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**A**LL ORDERS from persons unknown to us must be accompanied with cash or good commercial reference, unless the goods are to be shipped C. O. D., in which case we require a deposit sufficient to cover express charges both ways, as a guaranty that the goods will be taken from the express office promptly on arrival. Shipments made by parcel post to all parts of the United States and its possessions in accordance with the rules of the Post Office Department, the amount of postage will be charged net on invoice, not subject to the cash discount.

REMITTANCES should be made by P. O. Money Order, Registered Letter, Draft on Philadelphia or New York, or by Express, which will insure safe delivery. When sent by express, the charges must be prepaid. Bills unpaid by the 20th proximo, will be drawn for at sight.

PROPER SHIPPING INSTRUCTIONS should be given, to prevent delay, expense and annoyance to customers.

ALL GOODS SHIPPED AT PURCHASER'S RISK AND INVOICED  
AT CURRENT RATES WHEN SHIPPED

PRICES are F. O. B. cars or boat Philadelphia.

QUOTATIONS subject to change without notice, correction of stenographic or typographical errors, and are contingent upon accidents, strikes and other delays unavoidable or beyond our control.

WHEN SENDING SAWS FOR REPAIRS

THE NAME OF OWNER SHOULD APPEAR ON EACH in order to identify it when received, thus avoiding delay. Mail us full instructions for the work to be done, stating the hand, speed, and feed of the mill, and shipping directions for the return of the saw.

MARK PACKAGE PLAINLY, TACONY, PHILADELPHIA, U. S. A.

HENRY DISSTON & SONS  
INCORPORATED



## TERMS OF WARRANTY

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**E**VERY SAW bearing the brand of "DISSTON" is warranted as true as it is possible to make it, free from flaws and seams. When found defective in any of these particulars, it may be returned, and if on examination we are satisfied the saw is at fault, all necessary repairs will be made free of charge, or a new saw given in exchange, provided it is returned within thirty days from delivery.

Our warranty does not cover cases where saws have been cracked in gumming by reason of the punches or dies not being kept in proper order; or by filing square corners in the gullets; or by excessive emery-wheel grinding, reaming or altering the centre-holes, which is apt to cause the saws to spring.

HENRY DISSTON & SONS  
INCORPORATED

Mill-men, manufacturers of lumber and all saw users should read the  
"Disston Lumberman's Handbook" on Saws.  
It is furnished free upon application.

## DISSTON CRUCIBLE STEEL

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Our facilities for making and rolling crucible steel being more than adequate for our own purposes, we are in position to furnish the trade with the following classes:

**DISSTON TOOL STEELS**

**SPECIAL HIGH-SPEED STEEL**

**SPECIAL TOOL**

**BEST TOOL**

**EXTRA TOOL**

**STANDARD TOOL**

**DISSTON SAW AND SHEET STEELS**

**SPECIAL HIGH-SPEED MILLING**

**DISSTON MISCELLANEOUS STEELS**

**FILE STEEL**

**SCREWDRIVER STEEL**

**AXE, HATCHET, CHISEL STEEL**

**MAGNET STEEL**

**PLIER STEEL**

**HAMMER STEEL**

**AUGER BIT STEEL**

**CANT HOOK STEEL**

**SKATE STEEL**

**FORK AND HOE STEEL**

**TROWEL STEEL**

**DIE STEEL**

**MATTOCK STEEL**

**SPRING STEEL, ETC.**

**COLD-ROLLED STEEL    COLD-ROLLED HARDENED AND TEMPERED**

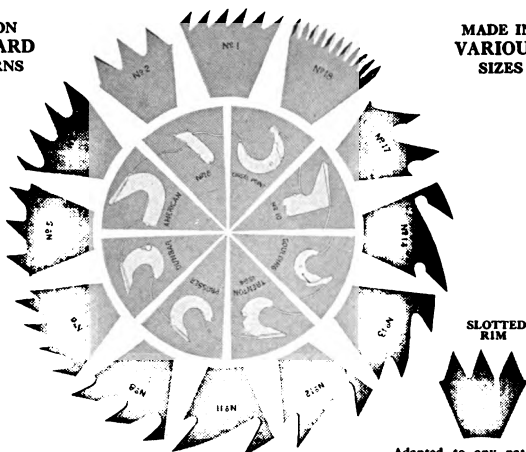
**COLD-ROLLED HARDENED, TEMPERED AND POLISHED**

**Prices quoted on application**

# HENRY DISSTON & SONS

## DISSTON STANDARD PATTERNS

MADE IN  
VARIOUS  
SIZES



The above cut illustrates various **Styles of Teeth** for Circular Saws. By referring to this when ordering, customers will be enabled to indicate to us the style of tooth required; gauge or thickness per list below.

Adapted to any pattern of Solid Tooth Saw, particularly circular Cut-off Saws. Allows for expansion and contraction of rim, lessening risk of breakage.

**SOLID TOOTH:** For Crosscutting Nos. 2, 4, 5 and 17 Ripping Nos. 11, 12, 13 and 14 Ripping or Crosscutting Nos. 1, 6 and 8 Mitreing or Crosscutting No. 18

**INSERTED TOOTH:** The CHISEL TOOTH is the best form for general mill use. No. 10 is used principally on the Pacific Coast. No. 16 is adapted for thin saws, re-sawing, etc. The AMERICAN, TRENTON, PROSSER, DUNBAR and GOULDING are styles formerly made by The American Saw Co.

## DISSTON STANDARD GAUGE

CORRESPONDS EXACTLY WITH THE STUBBS' ENGLISH GAUGE

Gauge	Decimals of Inch	Fractional Part of Inch	Millimeter Equivalent	Gauge	Decimals of Inch	Fractional Part of Inch	Millimeter Equivalent
0000	.454	.....	11.53	17	.058	1-16 Scant	1.47
000	.425	.....	10.79	18	.049	3-64 Full	1.24
00	.380	.....	9.65	19	.042	3-64 Scant	1.07
0	.340	22-64 Scant	8.64	20	.035	1-32 Full	.89
1	.300	19-64 Full	7.62	21	.032	.....	.81
2	.284	9-32 Full	7.21	22	.028	.....	.71
3	.259	17-64 Scant	6.58	23	.025	.....	.63
4	.238	15-64 Full	6.04	24	.022	.....	.56
5	.220	7-32 Full	5.59	25	.020	.....	.51
6	.203	13-64 Scant	5.16	26	.018	.....	.46
7	.180	3-16 Scant	4.57	27	.016	.....	.41
8	.165	11-64 Scant	4.19	28	.014	.....	.36
9	.148	9-64 Full	3.76	29	.013	.....	.33
10	.134	1-8 Full	3.40	30	.012	.....	.30
11	.120	1-8 Scant	3.05	31	.010	.....	.25
12	.109	7-64	2.77	32	.009	.....	.23
13	.095	3-32 Full	2.41	33	.008	.....	.20
14	.083	5-64 Full	2.11	34	.007	.....	.18
15	.072	5-64 Scant	1.83	35	.005	.....	.13
16	.065	1-16 Full	1.65				

# H E N R Y   D I S S T O N   &   S O N S

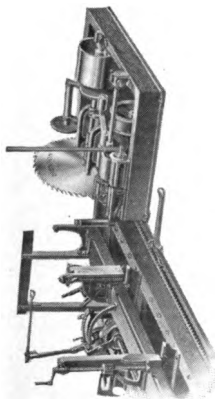
## THE STANDARD NUMBER OF TEETH IN CIRCULAR SAWS

Diameter Inches	Cut-off	Rip	Diameter Inches	Cut-off	Rip			
3	72	30	36	60	32			
4	80	36	38	60	32	<b>For Steam Feed Mills of large capacity running Saws:</b>		
5	90	36	40	72 to 80	32 to 36			
6	90	36	42	72 to 80	32 to 36			
7	90	36	44	72 to 80	32 to 36			
8	90	36	46	80	32 to 40			
9	90	36	48	80	32 to 40			
10	72	30	50	80	32 to 40	750 to 800 Rev.	800 to 900 Rev.	
12	60	32	52	90	32 to 50			
14	60	32	54	90	32 to 50			
16	60	32	56	90	32 to 50	80	90	
18	60	32	58	100	40 to 60	80	90	
20	60	32	60	100	40 to 60	80	90	
22	60	32	62	100	.....	80	90	
24	60	32	64	120	.....	80	90	
26	60	32	66	120	.....	..	90	
28	60	32	68	126				
30	60	32	70	130				
32	60	32	72	130				
34	60	32						

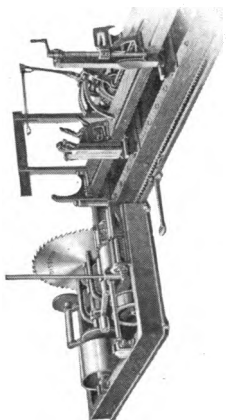
  

Diameter Inches	Lath Saws	Bolters	Edgers	Trimmers	Slashers	Resaws	Shingles	Heading Saws
12	32							
14	32							
16	36							
18	36	36						
20	..	36						
22	..	36				36 to 50		
24	..	40	32	72	..	36 to 50		
26	..	40	32	72	..	36 to 50		
28	..	..	32	72	..	36 to 50		
30	..	..	..	72	72	36 to 50		
32	..	..	..	..	72	36 to 50		
34	..	..	..	..	72	36 to 50		
36	..	..	..	..	72	50 to 80	60 to 100	
38	..	..	..	..	80	50 to 80	60 to 100	
40	..	..	..	..	80	50 to 80	60 to 100	
42	..	..	..	..	80	.....	60 to 100	80
44	..	..	..	..	..	.....	.....	80
46	..	..	..	..	..	.....	.....	80
48	..	..	..	..	..	.....	.....	90
50	..	..	..	..	..	.....	.....	90
52	..	..	..	..	..	.....	.....	100
54	..	..	..	..	..	.....	.....	100
56	..	..	..	..	..	.....	.....	100

## LEFT-HAND SAW



## RIGHT-HAND SAW



WHEN ORDERING CIRCULAR SAWS, THE FOLLOWING DIRECTIONS SHOULD BE EXPLICITLY GIVEN

Diameter in Inches,

Thickness or Gauge at Centre,

Thickness or Gauge at Rim,

Right- or Left-Hand (See above Illustrations),

Rip or Cross-Cut Tooth,

Style of Tooth (See Illustrations on page 7),

Number of Teeth,

Size of Mandrel Hole,

Size of Pin Holes,

Distance from Centre to Centre of Pin Holes,

Greatest Feed at each Revolution, in Inches,

Kind of Timber to be Sawed,

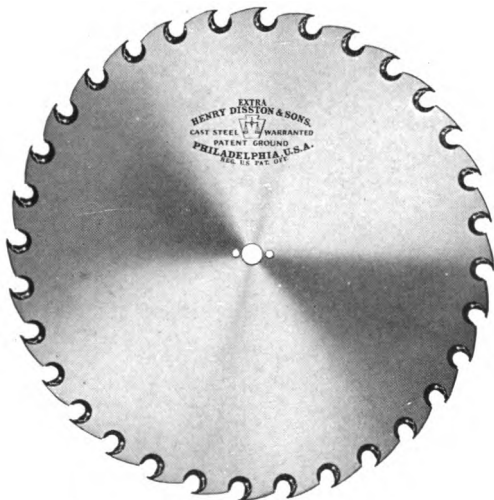
Number of Revolutions per minute,

Horse Power of Engine,

Daily output of Mill.

All stock Saws, 40 inches in diameter and larger, have 2-inch mandrel hole and  $\frac{1}{4}$ -inch tug-pin holes, 3 inches from centre to centre. If wanted different, send full pattern of holes.

## I N S E R T E D   T O O T H   C I R C U L A R   S A W S



## C H I S E L   T O O T H   S A W

For prices, see page 12

Duplicate Points, Nos. 1 and 9.....	\$5.50 per 100
“ “ “ 2 “ 8.....	5.25 “ “
“ “ “ 3, 33, 4, 44, 4½, 6 and 7.....	5.00 “ “
“ Holders, “ 1 and 9.....	.55 each
“ “ “ 2 “ 8.....	.50 “
“ “ “ 3, 33, 4, 44, 4½, 6 and 7.....	.44 “

New Saws 42 inches and less in diameter, beveled one gauge without extra charge; saws 44 inches and over in diameter, beveled two gauges without extra charge.

No extra charge for saws one gauge thicker than list.

No extra charge for saws one to three gauges thinner than list; when more than three gauges thinner, add 5% to list for each gauge.

Saws 48 inches and under, and 62 inches and over in diameter, more than two gauges thinner than list, not warranted. Saws 50 to 60 inches in diameter thinner than 10 gauge—not warranted.

With each Chisel Tooth Saw, we include a wrench, one set of extra Points, and two extra Holders.

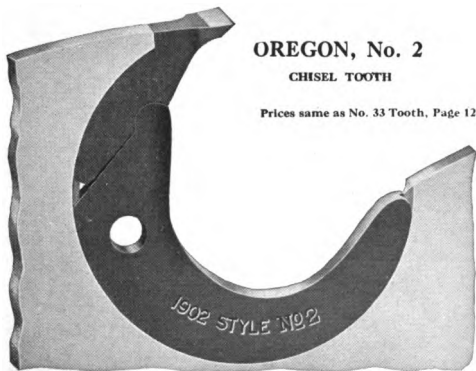
Always give number of the saw when ordering duplicate teeth and holders



The following list gives the number of teeth in the Standard No. 1 Chisel Tooth Saw.

Diameter—Inches . . . 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72  
Standard No. of Teeth .10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44

With each No. 1 and No. 2 Chisel Tooth Saw, whether new or altered from a Solid Tooth, we include a wrench and extra Points and Holders in accordance with the List of extras on Page 12.

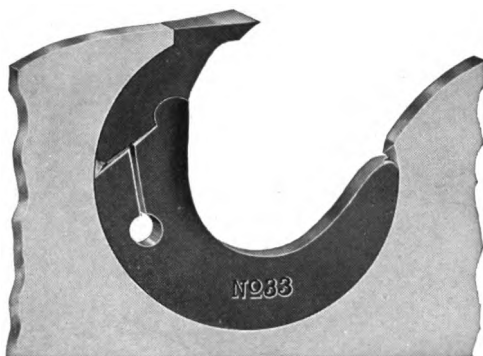


The following list gives the number of teeth in the Standard No. 2 Chisel Tooth Saw.

Diameter—Inches . . . 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72  
Standard No. of Teeth .12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48

Always give number of the saw when ordering duplicate teeth and holders

# CHISEL TOOTH, No. 33



Diam. Inches	Thickness Gauge	Standard No. of Teeth	Greatest Number of Teeth that can be put in No. 33 Saw	Size of Hole	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Beveling Old Saws Extra)
16	10	12	12	1 1/4 inch	\$39.00	\$0.50	\$0.75 per gauge
18	10	14	14	1 1/4 "	44.00	.60	.90 "
20	9	14	16	1 1/8 "	50.00	.75	1.05 "
22	9	16	18	1 1/8 "	56.00	.90	1.20 "
24	9	18	18	1 1/8 "	62.00	1.05	1.35 "
26	9	18	20	1 1/8 "	68.00	1.25	1.55 "
28	9	18	22	1 1/2 "	74.00	1.50	1.75 "
30	9	20	24	1 1/2 "	80.00	1.75	1.95 "
32	8	22	26	1 1/2 "	88.00	2.00	2.15 "
34	8	22	28	1 1/2 "	97.00	2.25	2.35 "
36	8	24	30	1 1/2 "	106.00	2.60	2.55 "
38	8	24	32	1 1/2 "	115.00	3.00	2.75 "
40	8	26	34	2 "	125.00	3.40	2.95 "
42	8	28	36	2 "	137.00	3.80	3.25 "
44	8	30	38	2 "	150.00	4.40	3.55 "
46	8	32	40	2 "	165.00	5.15	3.85 "
48	8	34	42	2 "	180.00	5.90	4.15 "
50	8	36	44	2 "	200.00	6.65	4.45 "
52	7	38	44	2 "	220.00	7.40	4.80 "
54	7	40	46	2 "	250.00	8.80	5.15 "
56	7	42	48	2 "	280.00	10.25	5.50 "
58	7	44	50	2 "	310.00	11.75	5.95 "
60	7	46	52	2 "	340.00	13.25	6.40 "
62	6	48	54	2 "	380.00	14.75	6.85 "
64	6	48	56	2 "	425.00	17.60	7.35 "
66	6	50	58	2 "	470.00	22.00	7.85 "
68	6	52	60	2 "	520.00	26.40	8.45 "
70	6	54	62	2 "	570.00	30.80	9.05 "
72	6	56	64	2 "	620.00	35.20	9.65 "

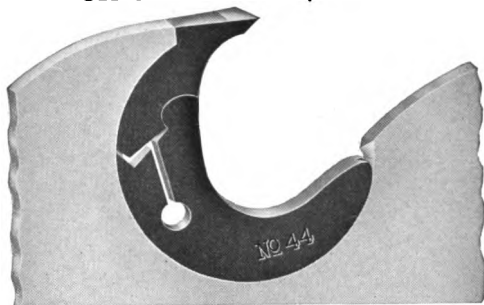
One extra set of teeth or bits, two extra holders or shanks and a wrench given with each saw. This list also applies to No. 3 Chisel Tooth. For prices of saws thinner than listed, see Page 10.

The No. 33 Points and Holders combined will fit in the No. 3-1902 sockets, but a No. 33 Point will not work in conjunction with No. 3-1902 Holder, nor will a No. 33 Holder work in conjunction with a No. 3 Point.

Always give number of the saw when ordering duplicate teeth and holders



# CHISEL TOOTH, No. 44



The following list gives the number of teeth in the Standard No. 44 Chisel Tooth Saw.

Size.....	18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66 in.
No. of Teeth.....	16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66

This List also applies to No. 4 Chisel Tooth. For prices, see page 12

The No. 44 Points and Holders combined will fit the No. 4-1902 sockets, but a No. 44 Point will not work in conjunction with a No. 4-1902 Holder, nor will a No. 44 Holder work in conjunction with a No. 4 Point.

With each Chisel Tooth Saw, whether new or altered from a Solid Tooth, we include a Wrench, and extra Points and Holders in accordance with the List of extras on page 12.

Always give number of the saw when ordering duplicate teeth and holders



## IMPROVED CHISEL TOOTH WRENCH

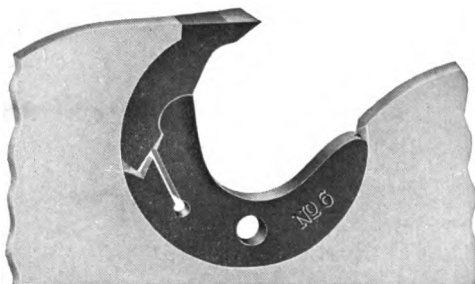
This wrench, as will be noted, is made without the "boss," or projecting point, thus there is nothing in the way of placing the tooth or bit in position, and owing to the lines of Nos. 33 and 44 bits and holders the insertion is easily and quickly done.

To change teeth stand behind the saw with the wrench in the right hand, having a pan of oil handy disposed to the left. Place the wrench on the holder, press pin through the hole and lift the wrench far enough to remove the old tooth. Oil the socket and groove carefully. To insert new teeth it is merely necessary to place the holder in the socket, adjusting the wrench and then the bit squarely on the "ball" of the holder, as shown in the illustration, and the movement of the wrench towards you causes the holder to draw the bit into position.

Adapted only for the Nos. 33 and 44 patterns.

All patterns of Chisel Tooth Wrenches, \$1.50 each.

# CHISEL TOOTH, No. 6



Numerous calls have been made for Chisel Tooth Saws with a greater number of teeth than No. 33 permits, which would be adapted to heavy feed mills. The following are prices for No. 6 Tooth, which include one extra set of teeth or bits, two extra holders or shanks and a wrench with each saw.

For price of duplicate Points and Holders, see page

Diam. Inches	Thickness Gauge	Standard No. of Teeth	Greatest Number of Teeth that can be put in No. 6 Saw	Size of Hole	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Beveling Old Saws Extra)
10	12	10	10	1 inch	\$27.00	\$0.20	\$0.45 per gauge
12	11	12	12	1 "	32.00	.30	.55 " "
14	10	14	14	1 1/4 "	37.00	.40	.65 " "
16	10	16	16	1 1/2 "	43.00	.50	.75 " "
18	10	18	20	1 3/4 "	49.00	.60	.90 " "
20	9	20	22	1 7/8 "	55.00	.75	1.05 " "
22	9	22	24	1 7/8 "	61.00	.90	1.20 " "
24	9	24	26	1 7/8 "	68.00	1.05	1.35 " "
26	9	26	28	1 7/8 "	75.00	1.25	1.55 " "
28	9	28	30	1 7/8 "	82.00	1.50	1.75 " "
30	9	30	32	1 7/8 "	90.00	1.75	1.95 " "
32	8	32	34	1 7/8 "	100.00	2.00	2.15 " "
34	8	36	36	1 7/8 "	110.00	2.25	2.35 " "
36	8	38	38	1 7/8 "	120.00	2.60	2.55 " "
38	8	40	42	1 7/8 "	130.00	3.00	2.75 " "
40	8	42	44	2 "	140.00	3.40	2.95 " "
42	8	44	46	2 "	150.00	3.80	3.25 " "
44	8	46	50	2 "	165.00	4.40	3.55 " "
46	8	48	52	2 "	180.00	5.15	3.85 " "
48	8	50	54	2 "	200.00	5.90	4.15 " "
50	8	52	56	2 "	220.00	6.65	4.45 " "
52	7	56	60	2 "	245.00	7.40	4.80 " "
54	7	58	62	2 "	275.00	8.80	5.15 " "
56	7	60	64	2 "	310.00	10.25	5.50 " "
58	7	62	66	2 "	340.00	11.75	5.95 " "
60	7	64	70	2 "	375.00	13.25	6.40 " "
62	6	66	74	2 "	420.00	14.75	6.85 " "
64	6	68	76	2 "	470.00	17.60	7.35 " "
66	6	72	78	2 "	520.00	22.00	7.85 " "
68	6	76	80	2 "	575.00	26.40	8.45 " "
70	6	78	82	2 "	630.00	30.80	9.05 " "
72	6	80	84	2 "	685.00	35.20	9.65 " "

Always give number of the saw when ordering duplicate teeth and holders

# SAW REPAIRING

When your saws need repairs send them to us and get the benefit of our 83-years saw-making experience. Our expert workmen will know just what is needed, and put your saws in proper condition. We have complete saw-repairing equipment, and our work can always be depended upon.

To insure prompt and accurate service it is necessary, however, that definite instructions be given with each repair order. For this purpose there was formulated the following

## INSTRUCTIONS FOR ORDERING REPAIRS ON INSERTED TOOTH SAWS

First—The Saw should be plainly addressed to  
HENRY DISSTON & SONS, INC.,  
TACONY STATION,  
PHILADELPHIA, PA.

Secondly—The sender's name and address should be written plainly on the case for the purpose of identification. Then give following data

(Blanks furnished for the purpose)

Please repair the saw described in the following:

Shipped by.....on.....Date.....  
Freight or express  
Diameter.....Gauge.....Shop number.....  
Number of teeth.....Size of teeth.....  
Hammer, right hand; left hand.....  
Speed running empty.....; At work.....  
Greatest feed in inches per revolution.....  
Mandrel runs Hot, Warm, or Cold.....  
Timber to be sawed.....  
Horse Power available.....Daily capacity of mill.....  
Special instructions.....

Fit saw with.....new Holders.....new Points  
Supply.....extra Points, Size.....  
Quantity.....Give width at point

Ship to.....  
Name

Shipping Address.....  
County.....State.....

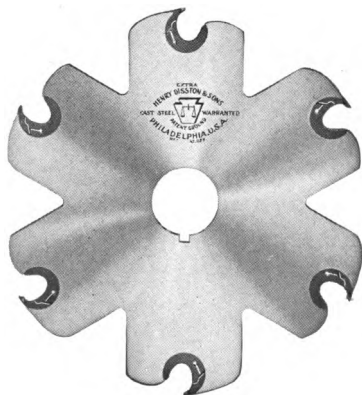
Ship by freight or Express.....

SIGNATURE.....

Post Office Address.....

It is necessary to send the old saw complete with all the Points and Holders unless you wish new Points and Holders inserted. We cannot properly adjust the tension of an Inserted Tooth Saw without having a full set in place.

Please do not guess at the speed. Give accurate information on this point.  
Shipping cards supplied on application.



## RIFT SAWS

**WITH No. 33 or No. 6 CHISEL TEETH**

When ordering, send templet of holes and state number of saws used in a set. With each saw we furnish, without extra charge, one set of extra points, two extra holders and a wrench.

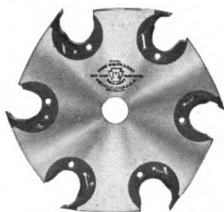
Duplicate Teeth, No. 33 or No. 6 pattern, \$5.00 per hundred net.

Duplicate Holders, No. 33 or No. 6 pattern, 44 cents each net.

These saws are regularly made 8 gauge, but can be furnished 9 or 10 gauge at the same advance as for standard Inserted Tooth Saws.

Diameter	Gauge	4 Teeth	6 Teeth	10 Teeth
14 inches	8	\$22.00	\$27.00	.....
16 "	8	25.00	30.00	.....
18 "	8	28.00	33.00	.....
20 "	8	31.00	36.00	\$44.00
22 "	8	34.00	39.00	47.00
24 "	8	38.00	43.00	51.00
26 "	8	43.00	48.00	56.00
28 "	8	48.00	53.00	61.00
30 "	8	53.00	58.00	66.00

## INSERTED TOOTH



## GROOVING SAWS

With No. 4½ Chisel Tooth

Diameter	4 Teeth	7 Gauge	\$13.00 each
6 inches	5	7	16.00 "
7 "	6	7	19.00 "
8 "	6	7	21.00 "
9 "	8	7	25.00 "
10 "	10	7	29.00 "
12 "	10	7	33.00 "
14 "	12	7	38.00 "
16 "	14	7	43.00 "

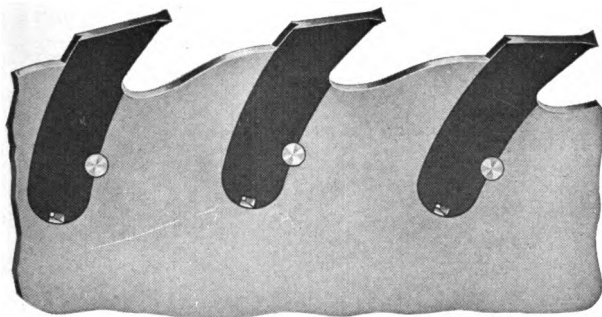
No extra points or holders included

One Wrench with each Saw

Cutting Edge	Extra Points and Holders	
1, 1½ or 2 inch	1½ or 2 inch	1½ or 2 inch
\$7.50 per 100	\$15.00 per 100	\$20.00 per 100
		Holdings
		\$0.67 each

Always give number of the saw when ordering duplicate teeth and holders

# INSERTED TOOTH, No. 16



The No. 16 pattern tooth is designed for thin saws and principally used for resaws or for making thin boards from timber.

Diameter	No. of Teeth	Gauge at Centre	Gauge at Rim	Price Each
16 inches	24	10	16	\$38.50
18 "	28	10	16	43.50
20 "	30	10	16	48.50
22 "	32	9	16	54.00
24 "	34	9	16	58.00
26 "	36	8	16	65.00
28 "	38	8	15	69.00
30 "	40	8	15	73.00
32 "	40	8	15	76.00
34 "	42	7	14	82.00
36 "	44	7	14	88.00
38 "	44	7	14	93.00
40 "	48	6	13	105.00
42 "	48	6	13	109.00
44 "	52	5	13	130.00
46 "	52	5	13	140.00
48 "	54	5	13	154.00

Extra for each additional tooth inserted, \$1.20.

Extra teeth with rivets, 20 cents each.

This pattern of tooth can be inserted in Segment Saws. Add \$1.20 per tooth to the list price of Segments on page 31.

Resaws are made with the bevel equally divided; those for sawing thin boards from timber are made with a flat side which must be specified on order.

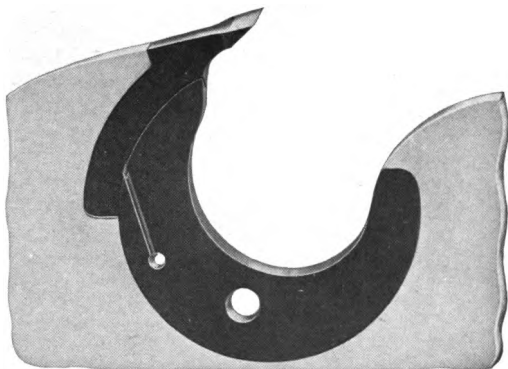
See directions for ordering Segment Saws, page 31.

Always give number of the saw when ordering duplicate teeth

# HENRY DISSTON & SONS

AMERICAN SAW CO. PATTERNS  
HENRY DISSTON & SONS, Inc., MANUFACTURERS

## GOULDING BIT, No. 1



TRENTON, No. 1

BROOKE BIT, No. 1

GOULDING BIT, No. 1

Diameter	Thickness	No of Teeth	Size of Hole	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Beveling Old Saws, Extra)
20 inches	10 gauge	12	1 $\frac{1}{8}$ inches	\$50.00	\$0.75	\$1.05 per gauge
22 "	10 "	12	1 $\frac{3}{8}$ "	56.00	.90	1.20 "
24 "	10 "	14	1 $\frac{1}{2}$ "	62.00	1.05	1.35 "
26 "	10 "	14	1 $\frac{3}{4}$ "	68.00	1.25	1.55 "
28 "	10 "	16	1 $\frac{1}{2}$ "	74.00	1.50	1.75 "
30 "	10 "	20	1 $\frac{1}{2}$ "	80.00	1.75	1.95 "
32 "	9 "	20	1 $\frac{1}{2}$ "	88.00	2.00	2.15 "
34 "	9 "	22	1 $\frac{1}{2}$ "	97.00	2.25	2.35 "
36 "	8 "	24	1 $\frac{1}{2}$ "	106.00	2.60	2.55 "
38 "	8 "	24	1 $\frac{1}{2}$ "	115.00	3.00	2.75 "
40 "	8 "	26	2 "	125.00	3.40	2.95 "
42 "	8 "	28	2 "	137.00	3.80	3.25 "
44 "	7 "	28	2 "	150.00	4.40	3.55 "
46 "	7 "	30	2 "	165.00	5.15	3.85 "
48 "	7 "	32	2 "	180.00	5.90	4.15 "
50 "	7 "	32	2 "	200.00	6.65	4.45 "
52 "	6 "	34	2 "	220.00	7.40	4.80 "
54 "	6 "	34	2 "	250.00	8.80	5.15 "
56 "	6 "	36	2 "	280.00	10.25	5.50 "
58 "	6 "	38	2 "	310.00	11.75	5.95 "
60 "	5 "	42	2 "	340.00	13.25	6.40 "
62 "	5 "	44	2 "	380.00	14.75	6.85 "
64 "	5 "	46	2 "	425.00	17.60	7.35 "
66 "	5 "	48	2 "	470.00	22.00	7.85 "
68 "	5 "	50	2 "	520.00	26.40	8.45 "
70 "	4 "	52	2 "	570.00	30.80	9.05 "
72 "	4 "	54	2 "	620.00	35.20	9.65 "

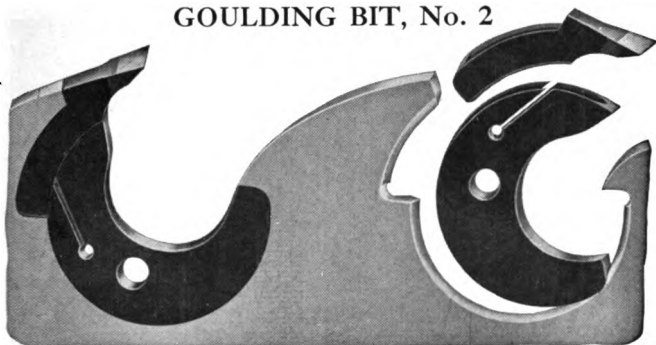
With each Goulding or Brooke Bit Saw we include, without extra charge, one extra set of bits, two extra springs and a wrench.

Always give number of the saw when ordering duplicate teeth and holders

# HENRY DISSTON & SONS

AMERICAN SAW CO. PATTERNS  
HENRY DISSTON & SONS, Inc., MANUFACTURERS

## GOULDING BIT, No. 2



TRENTON, No. 2

RISDON, No. 2

GOULDING BIT, No. 2

HIGH-SPEED, No. 2

Diameter	Thickness	No. of Teeth	Size of Hole	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Beveling Old Saws Extra)
12 inches	11 gauge	10	1 inch	\$32.00	\$0.30	\$0.55 per gauge
14 "	11 "	12	1 1/8 "	37.00	.40	.65 "
16 "	11 "	14	1 1/4 "	43.00	.50	.75 "
18 "	11 "	16	1 1/2 "	49.00	.60	.90 "
20 "	10 "	18	1 3/4 "	55.00	.75	1.05 "
22 "	10 "	20	1 7/8 "	61.00	.90	1.20 "
24 "	10 "	22	2 "	68.00	1.05	1.35 "
26 "	9 "	24	2 1/8 "	75.00	1.25	1.55 "
28 "	9 "	26	2 1/4 "	82.00	1.50	1.75 "
30 "	9 "	28	2 1/2 "	90.00	1.75	1.95 "
32 "	8 "	28	1 1/2 "	100.00	2.00	2.15 "
34 "	8 "	30	1 3/4 "	110.00	2.25	2.35 "
36 "	8 "	32	1 7/8 "	120.00	2.60	2.55 "
38 "	8 "	34	2 "	130.00	3.00	2.75 "
40 "	7 "	34	2 1/8 "	140.00	3.40	2.95 "
42 "	7 "	36	2 1/4 "	150.00	3.80	3.25 "
44 "	7 "	38	2 1/2 "	165.00	4.40	3.55 "
46 "	7 "	40	2 3/4 "	180.00	5.15	3.85 "
48 "	7 "	42	2 "	200.00	5.90	4.15 "
50 "	6 "	44	2 1/2 "	220.00	6.65	4.45 "
52 "	6 "	46	2 3/4 "	245.00	7.40	4.80 "
54 "	6 "	48	2 "	275.00	8.80	5.15 "
56 "	6 "	50	2 1/4 "	310.00	10.25	5.50 "
58 "	5 "	52	2 1/2 "	340.00	11.75	5.95 "
60 "	5 "	54	2 3/4 "	375.00	13.25	6.40 "
62 "	5 "	56	2 "	420.00	14.75	6.85 "
64 "	5 "	58	2 1/4 "	470.00	17.60	7.35 "
66 "	4 "	60	2 1/2 "	520.00	22.00	7.85 "
68 "	4 "	62	2 3/4 "	575.00	26.40	8.45 "
70 "	4 "	64	2 "	630.00	30.80	9.05 "
72 "	4 "	66	2 1/4 "	685.00	35.20	9.65 "

With each Goulding Bit Saw we include without extra charge one extra set of teeth or bits, two extra holders or shanks and a wrench.

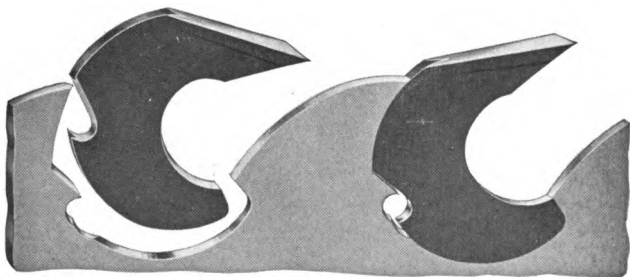
Always give number of the saw when ordering duplicate teeth and holders

# HENRY DISSTON & SONS

AMERICAN SAW CO. PATTERNS OF INSERTED TEETH  
HENRY DISSTON & SONS, Inc., MANUFACTURERS

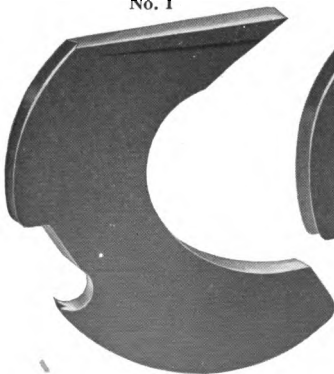
## TRENTON TOOTH

1894 STYLE



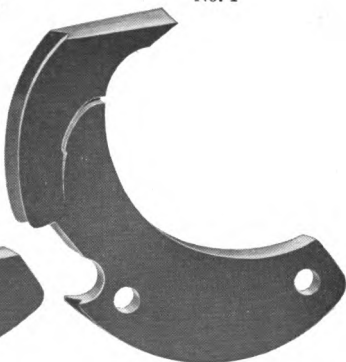
### TRENTON TOOTH

No. 1



### BROOKE BIT

No. 1



Either Style can be Used in the Same Saw

For prices see pages 18, 19 and 21

Inserting either Trenton, Brooke Bit, High-Speed, Risdon or Goulding Bit pattern of teeth in old circular saws reduces the diameter from two to four inches. The list price is figured at the reduced diameter from the List of Solid-Tooth Circular Saws (page 26), taking one-half the list price and adding thereto \$2.00 for each tooth inserted of No. 1 or No. 2 pattern

Always give number of the saw when ordering duplicate teeth



# HENRY DISSTON & SONS

AMERICAN SAW CO. PATTERNS OF INSERTED TEETH  
HENRY DISSTON & SONS, Inc., MANUFACTURERS

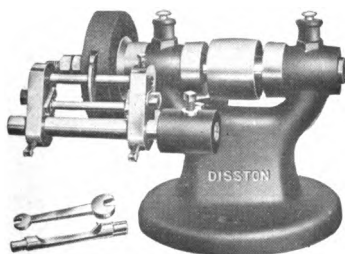
## PRICE LIST OF TEETH

No. 1.	American, long or short points	50 cents each
" 2.	" solid points	50 " "
" 3.	" " "	30 " "
" 1.	Trenton, long	50 " "
" 1.	" short	36 " "
" 2.	" long	40 " "
" 2.	" short	28 " "
" 2.	Risdon	28 " "
" 2.	Dunbar	28 " "
" 1.	Prosser	36 " "
" 2.	"	28 " "
" 2.	High-Speed	28 " "
" 1.	Brooke Bit	10 " "
" 1.	" Spring or Holder	50 " "
" 1.	Goulding Bit	7 " "
" 2.	" "	5½ " "
" 1.	" Spring or Holder	50 " "
" 2.	" " "	40 " "

Always give number of the saw when ordering duplicate teeth and holders

## MACHINE FOR SHARPENING POINTS

FOR INSERTED TOOTH CIRCULAR SAWS



Price, complete, including countershaft . . . . . \$38.50 each

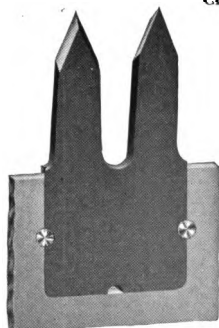
Emery wheel, 4-inch diameter, 1-inch face.

Pulley, 2-inch diameter, 1½-inch face.

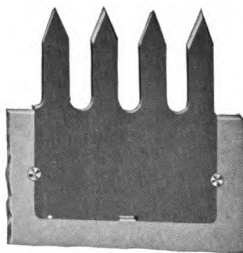
# HENRY DISSTON & SONS

## INSERTED TOOTH

### CIRCULAR CROSS-CUT SAWS



**TWO-PRONG**



**FOUR-PRONG**

This style of saw is particularly adapted for use in pulp, paper, shingle and stave mills, also for slab and slasher saws, and where logs or cants are cut into short lengths or bolts. Thorough tests covering a trial for some years, of both two and four-prong patterns, have demonstrated them to be a decided success. The teeth are high in temper, thus giving superior edge-holding quality.

Designed for use only in saws 36 inches diameter and larger. Made in 4, 5, 6, 7, 8 and 9 gauge only. Can readily be sharpened on Automatic Saw Sharpener.

### SAWS—COMPLETE

Diameter	Thickness	Number of Tooth Sections Either Two or Four-Prong	Size of Hole <small>inches</small>	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Bev- eling Old Saws Extra)
36 inches	8 gauge	24	1 <small>1/2</small> inches	\$101.00	\$2.60	\$2.55 per gauge
38 "	8 "	24	1 "	109.00	3.00	2.75 "
40 "	8 "	26	2 "	118.00	3.40	2.95 "
42 "	8 "	28	2 "	129.00	3.80	3.25 "
44 "	7 "	30	2 "	140.00	4.40	3.55 "
46 "	7 "	30	2 "	152.00	5.15	3.85 "
48 "	7 "	32	2 "	165.00	5.90	4.15 "
50 "	7 "	34	2 "	185.00	6.65	4.45 "
52 "	6 "	36	2 "	217.00	7.40	4.80 "
54 "	6 "	38	2 "	242.00	8.80	5.15 "
56 "	6 "	40	2 "	264.00	10.25	5.50 "
58 "	6 "	42	2 "	293.00	11.75	5.95 "
60 "	5 "	42	2 "	323.00	13.25	6.40 "
62 "	5 "	44	2 "	360.00	14.75	6.85 "
64 "	5 "	44	2 "	403.00	17.60	7.35 "
66 "	5 "	48	2 "	440.00	22.00	7.85 "
68 "	5 "	48	2 "	476.00	26.40	8.45 "
70 "	5 "	52	2 "	520.00	30.80	9.05 "
72 "	5 "	52	2 "	572.00	35.20	9.65 "
74 "	5 "	54	2 "	630.00		
76 "	4 "	54	2 "	704.00		
78 "	4 "	56	2 "	836.00		
80 "	4 "	56	2 "	968.00		
82 "	4 "	58	2 "	1100.00		
84 "	4 "	58	2 "	1232.00		

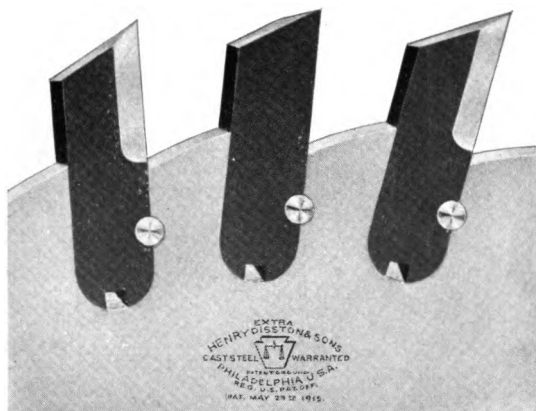
No extra teeth included in above prices

### EXTRA TEETH

Two-Prong.....90 cents each      Four-Prong.....\$1.00 each

# HENRY DISSTON & SONS

## SPIRAL TOOTH CIRCULAR CUT-OFF SAW



A rapid, smooth cutting, easy running saw. Superior to any other form of Cut-off saw of Inserted Tooth type.

The teeth are inserted in the blade on spiral lines, which give full clearance to each individual tooth and also perfect clearance to the blade in the largest cuts.

The manner in which the teeth are inserted in the blade does away with the necessity of setting or springing the teeth for clearance.

The only operation for keeping the saw in running order is to sharpen the teeth, which is readily accomplished through the use of any of the standard automatic cut-off saw sharpeners of the proper size.

We recommend and guarantee the Spiral Tooth to give economical and satisfactory service in all kinds of cut-off work on large timber and logs, and particularly where the greatest capacity is required, such as cutting logs into pulp-wood length, stave bolts and shingle blocks.

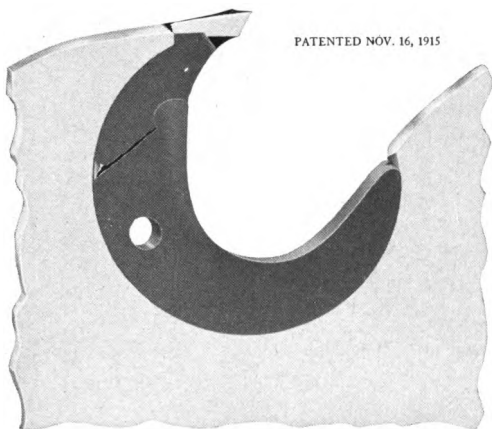
This type of saw is intended for cutting heavy stock, and is not recommended in small diameters and thin gauges, and therefore is not practical for trimming or equalizing lumber or small timbers.

Diam. Inches	Thickness Gauge	Width of Tooth	Size of Hole	Standard No. Teeth	Price Each	Diam. Inches	Thickness Gauge	Width of Tooth	Size of Hole	Standard No. Teeth	Price Each
36	9 ga.	2 in.	1 1/2 in.	62	\$110.00	68	5 ga.	2 in.	2 in.	124	\$520.00
38	9 "	"	1 1/2 "	66	118.00	70	5 "	"	2 "	128	565.00
40	9 "	"	2 "	70	127.00	72	5 "	"	2 "	132	610.00
42	8 "	"	2 "	74	139.00	74	5 "	"	2 "	136	675.00
44	8 "	"	2 "	78	153.00	76	5 "	"	2 "	140	765.00
46	8 "	"	2 "	82	167.00	78	5 "	"	2 "	144	890.00
48	8 "	"	2 "	86	182.00	80	5 "	"	2 "	148	1030.00
50	7 "	"	2 "	90	204.00	82	5 "	"	2 "	152	1170.00
52	7 "	"	2 "	94	232.00	84	5 "	"	2 "	156	1310.00
54	7 "	"	2 "	96	262.00	86	4 "	"	2 "	160	1470.00
56	7 "	"	2 "	100	290.00	88	4 "	"	2 "	164	1650.00
58	7 "	"	2 "	104	320.00	90	4 "	"	2 "	168	1840.00
60	6 "	"	2 "	108	350.00	92	4 "	"	2 "	172	2040.00
62	6 "	"	2 "	112	390.00	94	4 "	"	2 "	174	2280.00
64	6 "	"	2 "	116	430.00	96	4 "	"	2 "	178	2550.00
66	6 "	"	2 "	120	475.00						

No extra teeth included in the above prices. Saws of odd diameters take price of next larger size. For each tooth inserted in excess of standard, add to list price, \$1.65. No extra charge for saws one gauge thicker than list. If more than one gauge thicker an extra charge will be made for each additional gauge the same as on solid tooth circular saws. For changing solid tooth saws into inserted tooth cut-off, charge is \$1.65 per tooth, plus one-half the list price of a solid tooth saw of same size. The price is based on the size the saw will finish after cutting down, and is subject to the same discount as inserted tooth saws. For prices on extra teeth for the above saws, see Price Sheet.

## DIAMOND-POINT INSERTED TOOTH

### CIRCULAR ICE SAW



This is an improvement on the regular square-bit chisel tooth which has stood the test of time in so many plate and natural ice harvesting plants for many years.

It will be noted that the teeth in this new saw are diamond-point in shape, which, through a shearing cut, causes the saw to run materially lighter than those fitted with the square bits.

The shearing action of this form of tooth is equal on both sides from the center of the saw, thus avoiding lateral strains and the possibility thereby of the saw leaving its true line.

The diamond-shaped point, through making a pronounced **V** in the bottom of the groove, centers the cleavage point, and therefore allows the floats and cakes to be barred-off with materially less flanging than is possible when the bottom of the groove is flat or square.

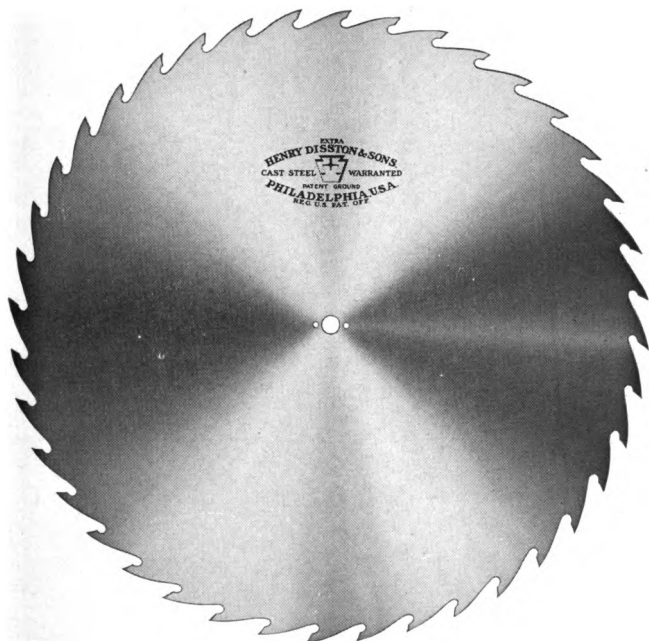
We are prepared to supply square-pointed teeth for this saw, these being interchangeable with the diamond-point teeth, so that the same saw is adapted for the use of either square or diamond-point teeth at the option of the operator.

We recommend this saw to give economical and satisfactory service.

**PRICES ON APPLICATION**

HENRY DISSTON & SONS

## GULLET TOOTH CIRCULAR SAW



Our experience of over Eighty-three years in Saw-Making has given us a thorough knowledge of the requirements of all classes of Saws, and through this knowledge, together with the possession of unequaled facilities, we have reached a state of perfection in material and workmanship justifying our claim that **DISSTON SAWS** are superior in every respect to all others.

It is our determination to maintain the high reputation achieved for the quality and efficiency of our goods, which has been established for so many years.

**EVERY SAW BEARING THE BRAND OF HENRY DISSTON & SONS  
IS FULLY WARRANTED**

# HENRY DISSTON & SONS

## SOLID TOOTH CIRCULAR SAWS

EXTRA QUALITY

PATENT GROUND AND TEMPERED

SUPERIOR WORKMANSHIP GUARANTEED AS PER WARRANTY

Diam- eter Inches	Thick- ness Gauge	Size of Hole Inch	Price Each	Extra for Each Gauge Heavier	Beveling New Saws (Grind- ing or Beveling Old Saws Extra)
6	18	$\frac{3}{4}$	\$3.30	\$0.07	\$0.25 per gauge
8	18	$\frac{1}{2}$	4.40	.10	.35 " "
10	16	1	5.60	.20	.45 " "
12	15	1	7.00	.30	.55 " "
14	14	$1\frac{1}{8}$	8.50	.40	.65 " "
16	14	$1\frac{1}{4}$	10.50	.50	.75 " "
18	13	$1\frac{1}{2}$	12.50	.60	.90 " "
20	13	$1\frac{3}{8}$	15.00	.75	1.05 " "
22	12	$1\frac{5}{8}$	17.50	.90	1.20 " "
24	11	$1\frac{3}{4}$	20.50	1.05	1.35 " "
26	11	$1\frac{7}{8}$	24.00	1.25	1.55 " "
28	10	$1\frac{1}{2}$	28.00	1.50	1.75 " "
30	10	$1\frac{3}{4}$	32.00	1.75	1.95 " "
32	10	$1\frac{1}{2}$	36.50	2.00	2.15 " "
34	9	$1\frac{1}{4}$	41.00	2.25	2.35 " "
36	9	$1\frac{1}{8}$	47.00	2.60	2.55 " "
38	9	$1\frac{1}{4}$	54.00	3.00	2.75 " "
40	9	2	62.00	3.40	2.95 " "
42	8	2	71.00	3.80	3.25 " "
44	8	2	83.00	4.40	3.55 " "
46	8	2	98.00	5.15	3.85 " "
48	8	2	112.00	5.90	4.15 " "
50	7	2	127.00	6.65	4.45 " "
52	7	2	142.00	7.40	4.80 " "
54	7	2	157.00	8.80	5.15 " "
56	7	2	180.00	10.25	5.50 " "
58	7	2	200.00	11.75	5.95 " "
60	6	2	224.00	13.25	6.40 " "
62	6	2	250.00	14.75	6.85 " "
64	6	2	280.00	17.60	7.35 " "
66	6	2	310.00	22.00	7.85 " "
68	5	2	350.00	26.40	8.45 " "
70	5	2	400.00	30.80	9.05 " "
72	5	2	450.00	35.20	9.65 " "
74	5	2	510.00	39.60	10.30 " "
76	5	2	575.00	44.00	11.00 " "
78	5	2	690.00	49.85	11.85 " "
80	5	2	810.00	55.75	12.90 " "
82	5	2	940.00	63.05	14.10 " "
84	5	2	1075.00	70.40	15.40 " "

All saws filed and set, ready for use.

All saws under 6 inches in diameter take the list of a 6-inch saw.

All saws of odd diameters take the list of next larger saw.

No extra charge for saws one gauge thicker than list. No extra charge for saws one to three gauges thinner than list; when more than three gauges thinner than list, add 5 per cent. for each gauge.

Saws 48 inches and under, and 62 inches and over, in diameter, more than two gauges thinner than list, not warranted. Saws 50 inches to 60 inches in diameter thinner than 10 gauge, not warranted.

Saws 42 inches or less in diameter beveled one gauge without extra charge; 44 inches or larger beveled two gauges without extra charge.

Saws hollow or concave ground add for each additional gauge hollow or concave ground double the list for beveling.

Saws for cutting bone, horn and ivory, add 50 per cent to the above list. When these saws are hollow or bevel ground, the 50 per cent. advance is to apply only on the list price of a straight gauge saw, and not to apply on the extras for hollow or bevel grinding.

# HENRY DISSTON & SONS

## RESAWING OR SIDING SAWS

Diameter Inches	Gauge	Price Each	Diameter Inches	Gauge	Price Each
16	13 x 17	\$12.75	28	9 x 13	\$33.25
16	12 x 16	13.25	28	9 x 14	35.00
16	11 x 15	13.75	28	8 x 13	36.50
18	12 x 16	15.20	30	9 x 13	37.85
18	11 x 15	15.80	30	9 x 14	39.80
18	12 x 17	16.10	30	8 x 13	41.55
20	12 x 16	18.15	32	9 x 13	42.95
20	11 x 15	18.90	32	9 x 14	45.10
20	12 x 17	19.20	32	8 x 13	47.10
22	11 x 15	21.10	34	9 x 13	48.05
22	10 x 14	22.00	34	8 x 13	50.40
22	11 x 16	22.30	34	8 x 14	52.70
24	10 x 14	24.55	36	8 x 13	57.20
24	9 x 13	25.60	36	8 x 14	59.75
24	10 x 15	25.90	36	7 x 14	64.90
26	10 x 14	28.65	38	8 x 12	62.25
26	9 x 13	29.90	38	8 x 13	65.00
26	10 x 15	30.20	38	7 x 13	70.75

To figure sizes and thicknesses not listed take solid tooth circular saw list, allow one gauge thicker than standard then add for each additional gauge heavier—per list for gauges heavy on page 26.

## EDGER SAWS

### SOLID TOOTH

	8	9	10	11	12	Gauge
12 inches diameter	\$8.80	\$8.50	\$8.20	\$7.90	\$7.60	each
14 " "	10.50	10.10	9.70	9.30	8.90	"
16 " "	13.00	12.50	12.00	11.50	11.00	"
18 " "	14.90	14.30	13.70	13.10	12.50	"
20 " "	18.00	17.25	16.50	15.75	15.00	"
22 " "	20.20	19.30	18.40	17.50	17.50	"
24 " "	22.60	21.55	20.50	20.50	20.50	"

To figure sizes and thicknesses not listed take solid tooth circular saw list, allow one gauge thicker than standard then add for each additional gauge heavier—per list for gauges heavy on Page 26.

## LATHE SAWS

Diameter Inches	Gauge	Price Each	Extra For Each Additional Gauge Heavier	Diameter Inches	Gauge	Price Each	Extra For Each Additional Gauge Heavier
8	9	\$3.40	\$0.20	13	6	\$5.40	\$0.35
9	8	3.60	.20	14	6	6.00	.35
10	7	4.00	.25	15	5	6.60	.40
11	7	4.40	.30	16	5	7.40	.40
12	6	4.80	.30				

All Lathe Saws under 8-inch diameter, take price of 8-inch saw.

# REPAIRING CIRCULAR SAWS

Diam. Inches	Hammering	Gumming and Hammering	Cutting down Retooling and Hammering	First Gauge Grinding	Grinding Each Additional Gauge After the First	Setting and Sharpening Cut-off Saws	Setting and Sharpening Rip Saws
6	\$0.45	\$0.55	\$0.75	\$0.65	\$0.35	\$0.45	\$0.35
8	.55	.75	1.00	.85	.55	.55	.40
10	.75	1.00	1.30	1.05	.75	.65	.50
12	.90	1.35	1.60	1.15	.85	.75	.60
14	1.05	1.60	1.90	1.35	1.00	.85	.70
16	1.20	1.80	2.20	1.60	1.15	.95	.80
18	1.45	2.10	2.55	1.95	1.30	1.05	.90
20	1.65	2.50	2.95	2.20	1.45	1.15	1.00
22	1.90	2.85	3.30	2.40	1.60	1.30	1.10
24	2.10	3.25	3.70	2.70	1.75	1.45	1.20
26	2.40	3.70	4.20	3.00	1.90	1.60	1.30
28	2.70	4.15	4.75	3.40	2.05	1.75	1.40
30	3.00	4.60	5.35	3.75	2.20	1.95	1.50
32	3.30	5.05	6.00	4.15	2.35	2.15	1.60
34	3.70	5.55	6.90	4.50	2.55	2.35	1.75
36	4.30	6.15	7.80	4.90	2.80	2.55	1.90
38	4.80	7.00	9.00	5.25	3.00	2.75	2.05
40	5.55	8.05	10.00	5.65	3.30	2.95	2.20
42	6.30	9.15	11.55	6.00	3.60	3.15	2.35
44	7.05	10.35	13.05	6.45	4.05	3.35	2.50
46	7.95	11.80	14.70	7.00	4.50	3.60	2.65
48	8.85	13.20	16.50	7.60	4.95	3.80	2.85
50	9.75	14.65	18.40	8.25	5.40	4.10	3.05
52	10.65	16.05	20.25	9.00	5.95	4.40	3.25
54	11.55	17.55	22.15	9.90	6.30	4.70	3.50
56	12.45	19.05	24.00	10.90	6.75	5.00	3.75
58	13.50	20.70	25.90	12.00	7.20	5.30	4.00
60	14.70	22.50	27.75	13.20	7.75	5.60	4.25
62	15.90	24.30	30.40	14.40	8.25	6.00	4.50
64	17.10	26.10	33.00	15.60	8.85	6.30	4.75
66	18.30	27.90	35.65	16.80	9.45	6.60	5.00
68	19.50	29.70	38.25	18.00	10.15	6.90	5.25
70	20.50	31.50	40.90	19.50	11.05	7.20	5.50
72	21.90	33.30	43.50	21.00	12.00	7.50	5.75
74	23.10	35.10	46.15	22.50	13.15	7.80	6.00

Saws smaller than 6 inches take 6-inch price.

Saws of odd diameter, take the price of next larger size.

When saw is ground add price of hammering to price of grinding. Gumming and retooling prices cover sizes of saws after they have been repaired. All breakages at risk of owner.

**Burned Saws.** We repair burned saws at two-thirds price of new ones, which includes retempering, grinding, hammering polishing, etc.

**Changing Solid Saws to Inserted Tooth Saws.** For changing solid saws into inserted tooth saws, \$2.00 per tooth plus one-half the list price of solid tooth saws of same size, this price being based on size the saw will cut to and subject to same discount as inserted tooth saws. Same extras furnished as with a new saw.

**Changing Solid Saws into Inserted Tooth Cut-off Saws,** charge is \$1.65 per tooth plus one-half the list price of a Solid Tooth Saw of same size. The price is based on the size the saw will finish after cutting down and is subject to the same discount as Inserted Tooth Cut-off Saws.

**Repairing Burned Inserted Tooth Saws,** two-thirds the price of a new Solid Tooth Saw of the same diameter, plus 30 cents per tooth. Add for any points and shanks inserted at regular prices. No extras furnished.

Shingle and other thin bevel saws generally will not permit being retempered.

All repairs are at risk of owner, but no charge will be made in case of failure.

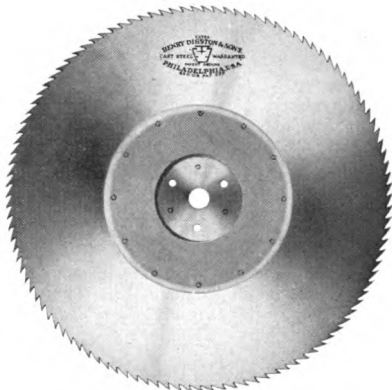
**Owner's name should appear on each package or board to insure identification at the factory; Ship to Tacony, Philadelphia, Pa.**



# SHINGLE AND HEADING SAWS

WARRANTED EXTRA CRUCIBLE STEEL

Tapered and Patent Ground



## PRICES FOR SAWS ONLY (Without Collars)

Diameter	Price Each
36 inches.....	\$62.00
38 ".....	70.00
40 ".....	80.00
42 ".....	95.00
44 ".....	110.00
46 ".....	125.00
48 ".....	145.00

Diameter	Price Each
50 inches.....	\$170.00
52 ".....	200.00
54 ".....	230.00
56 ".....	260.00
58 ".....	290.00
60 ".....	320.00

Above list is for saws beveled not more than 8 gauges, and with thickness at centre of same gauge, as shown in Solid Tooth Circular Saw List for saws of same diameter, though one gauge thicker is allowed without extra charge.

For extra thickness or beveling, add for each gauge thicker or gauge beveling as per Solid Tooth Circular Saw List.

All Disston Shingle Saws and Heading Saws are of an extra fine grade of steel, made expressly for the purpose; unexcelled for toughness, temper and cutting qualities.

New Collars or Flanges for Perkins, Challoner, Trevor or other machines fitted to new saws. Price on application.

Fitting old flange to new saw.....\$8.00 each

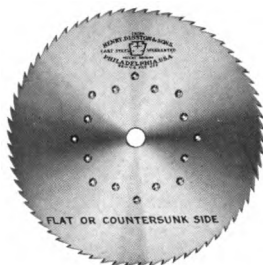
## REPAIRING TAPER GROUND SHINGLE, HEADING AND RE-SAWS

	Size inches, 46 and under	48 and over
Hammered.....	per inch in diameter .20	.25
Gummed and hammered....	per inch in diameter .28	.38
Re-toothed and hammered...	per inch in diameter .38	.50
Grinding first gauge.....	per inch in diameter .08	.10
Grinding additional gauges...	per inch in diameter .05	.08

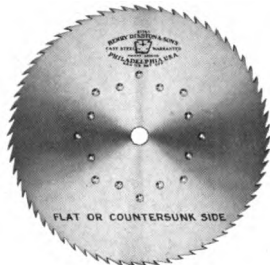
For Collars, see page 30.

## SHINGLE AND HEADING SAWS

LEFT-HAND



RIGHT-HAND



When ordering Shingle Saws give full specifications, as follows: Diameter of saw, in inches. Thickness or gauge at centre. Thickness or gauge at rim. Number of teeth. Right- or Left-hand. Speed of saw.

If we are to furnish the Flange, state size, and maker's name of machine, or send correct and full templet of old flange, giving size and location of holes.

If we are to furnish the saw only, send the flange to us that we may fit it to the saw. If you cannot forward the flange, send templet of holes and sample of screw by which to drill and countersink saw.

FIG. 1

### SCREWS FOR SHINGLE SAWS

Particular attention is called to the importance of using screws that are suitable to the thickness of the saw; we frequently receive screws as samples by which to drill and countersink, that have heads entirely too large for the thickness of saw, and which require the flange to be countersunk (as shown in Fig. 1), thereby reducing the length of thread in flange, making it impossible to bind the saw firmly to flange.

Fig. 2 shows the correct size the screw-heads should be, thus getting a good bearing for the screw-heads on countersink in saw and the full thickness of flange is retained for thread.

In no case should screw-heads be deeper than thickness of saw. Thin saws require smaller screw-heads than thick saws.

### CAST IRON COLLARS OR FLANGES

New Flanges for Perkins, Challoner, Trevor or other machines fitted to new saws. Price on application.

### STEEL FLANGES

8 to 26 inches diameter,  $\frac{3}{8}$  inch thick or less, screwed or riveted to saws. Price on application.

FIG 2



## VENEERING SAWS IN SEGMENTS



When ordering segments, give gauge or thickness at butt and at tooth-edge, depth of bevel, diameter of saw that segments are to form, number of segments in saw, depth of segments, number of teeth in each segment, sample of screw by which to drill and countersink flat or countersunk side, and direction in which teeth run. (See cut.)

In ordering for a flange that has been drilled, send a sheet iron or tin templet or a correct tracing, showing holes and other particulars; or one of the old segments, giving the depth they were originally.

				Veneer Saws 19 Ga. and Thinner	Resaws 18 Ga. and Thicker
12 in. deep, No.	5 gauge, per foot in diameter of saw,			\$29.00	\$25.00
12 " " "	6 " " "			28.00	24.00
12 " " "	7 " " "			27.00	23.00
12 " " "	8 " " "			26.00	22.00
12 " " "	9 " " "			25.00	21.00
12 " " "	10 " " "			24.00	20.00

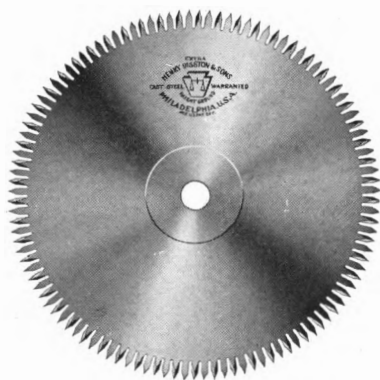
Add 5% for each additional inch in depth.

Deduct 5% for each inch under 12 inches in depth.

### RATES FOR REPAIRING SEGMENT SAWS

Grinding first and second gauge,.....	\$1.25	per foot in diameter.
" each additional " .....	.25	" "
Hammering, .....	3.25	" "
Retooling and hammering.....	4.25	" "

When sending saws for repairs, always mark case plainly with Name and Address of owner, for purpose of identification; ship to Tacony, Philadelphia, U. S. A.



## CIRCULAR MITRE SAWS

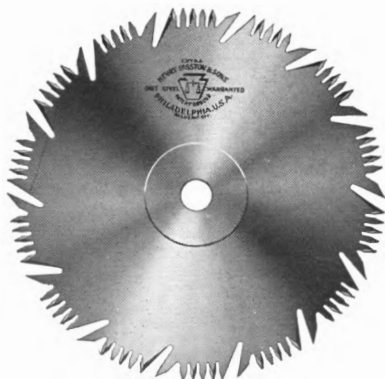
These saws are ground to run without set; especially adapted for smooth cutting, such as Cabinet and Cigar box work.

When ordering, give size of centre hole, also diameter of collars on mandrel.

Hollow  
Ground  
for  
Clearance

Size	Gauge at Hole	Gauge at Edge of Collar	Gauge at Teeth and Hole	Extra for Each Gauge Heavier	Extra for each Additional Gauge Hollow Ground	Price Each
6 inches	17	20	17	\$0.07	\$0.50	\$5.40
8 "	16	19	16	.10	.70	6.80
10 "	15	18	15	.20	.90	8.60
12 "	14	17	14	.30	1.10	10.60
14 "	13	16	13	.40	1.30	12.60
16 "	13	16	13	.50	1.50	14.80
18 "	12	15	12	.60	1.80	17.40
20 "	12	15	12	.75	2.10	20.60
22 "	11	14	11	.90	2.40	24.20
24 "	11	14	11	1.05	2.70	28.00

These prices are for saws sharpened, ready for use



## CIRCULAR MITRE SAW

WITH CLEANER TOOTH

This style of saw can be made for either ripping or cross-cutting. When made for ripping a greater number of cleaner teeth are put in than for cross-cutting. It will cut equally as smooth in either ripping or cross-cutting.

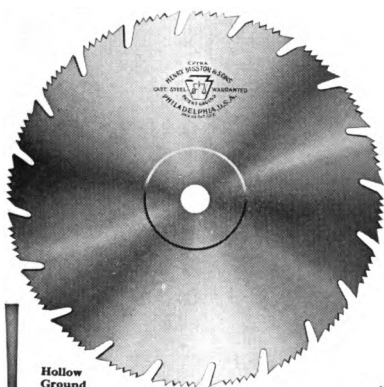
List price same as above

## NOVELTY OR COMBINATION SAW FOR CROSS-CUTTING

These two Saws are especially adapted for cutting hard wood where a clean, smooth cut is required. Will cut equally smooth in either cross-cutting or ripping.

When ordering, give size of centre hole, also diameter of collars on mandrel.

Price same as Circular  
Mitre Saws  
on preceding page

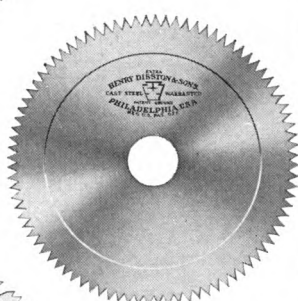


Hollow  
Ground  
for  
Clearance

### THIN RIM CIRCULAR SAWS

Used for cutting window frame pockets and on other work where a thin saw is desirable and where it is not practicable to use a saw ground thin all the way to centre. It will be noted the centre of this saw is left heavier than the rim, to give strength and stiffness.

These saws take the same price as Circular Mitre Saws in preceding page.



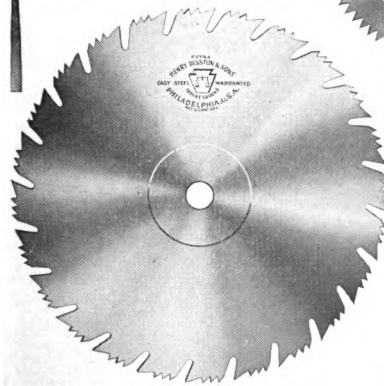
## NOVELTY OR COMBINATION SAW

FOR RIPPING

This Saw is made for ripping by combining three cross-cut teeth (instead of five) with one cleaner, thereby permitting the insertion of more cleaner teeth.

Price same as Circular Mitre Saws  
on preceding page

These Saws are also made flat-ground, set and sharpened. For prices see regular circular saw list, page 26.



## WABBLE SAWS

Prices on application

## SPECIAL GROOVING SAWS



We manufacture Grooving Saws of various patterns and shapes of teeth, to cut grooves of any width, depth, or special shape on bottom or side.

## GROOVING SAWS



Thickness . . . .	$\frac{1}{8}$ in.	$\frac{3}{16}$ in.	$\frac{1}{4}$ in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.
Space of teeth.	$\frac{1}{4}$ in.	1 in.	1 in.	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	2 in.	2 in.	2 in.
Diam., 4 in.	\$3.60	3.80	6.20	7.00	8.00	8.80	9.60	14.00	14.60
" 5 "	4.20	4.40	7.20	8.00	9.20	10.20	11.20	16.80	17.80
" 6 "	5.20	5.40	8.20	9.20	10.40	11.60	12.80	19.60	21.00
" 7 "	6.00	6.40	9.20	10.40	11.60	13.00	14.40	22.80	23.60
" 8 "	6.80	7.40	10.20	11.60	13.20	14.80	16.40	26.00	27.00
" 9 "	7.40	8.40	11.40	13.00	14.80	16.60	18.40	29.20	31.00
" 10 "	8.20	9.40	12.60	14.40	16.40	18.40	20.40	33.40	35.00
" 11 "	10.60	11.80	14.00	16.80	18.80	21.00	22.40	36.60	39.00
" 12 "	11.60	12.80	15.40	19.20	21.40	23.60	24.80	39.80	43.00
" 14 "	13.80	15.40	17.80	22.20	26.00	28.20	29.80	45.00	49.80
" 16 "	15.40	18.40	21.20	26.00	30.60	33.40	35.60	53.00	59.00

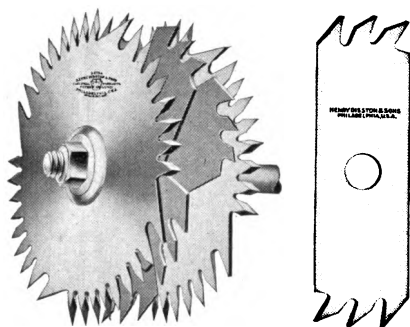
For Grooving Saws under 4 inches in diameter take 4 inch list.

Bevel Grooving Saws, add 10% to above prices.

Grooving Saws with teeth shaped and backed off, add 50% to above prices.

Special Grooving Saws made to order, special prices.

# KEYSTONE GROOVER OR DADO HEAD



INSIDE CUTTER

This head consists of two outside saws, each  $\frac{1}{8}$  inch thick, which operated singly will cut groove  $\frac{1}{8}$  inch wide; the two saws placed together will cut groove  $\frac{1}{4}$  inch wide, and with the addition of inside pieces placed between the saws, grooves of any width may be cut from  $\frac{5}{16}$  inch up by sixteenths.

The construction of this head and its adjustment for various widths of grooves is simple, and it is easily kept in order.

Regular sets supplied, as follows:

Set No. 1 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, each  $\frac{1}{16}$ " thick  
1 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to  $\frac{1}{2}$ " inclusive

Set No. 2 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{16}$ " "  
1 " " "  $\frac{1}{4}$ " "  
1 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to  $\frac{3}{4}$ " inclusive

Set No. 3 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{16}$ " "  
1 " " "  $\frac{1}{4}$ " "  
2 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to 1" inclusive

Set No. 4 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{16}$ " "  
1 " " "  $\frac{1}{4}$ " "  
3 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to  $1\frac{1}{4}$ " inclusive

Set No. 5 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{16}$ " "  
1 " " "  $\frac{1}{4}$ " "  
4 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to  $1\frac{1}{2}$ " inclusive

Set No. 6 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{16}$ " "  
1 " " "  $\frac{1}{4}$ " "  
5 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{4}$ " to  $1\frac{3}{4}$ " inclusive

# HENRY DISTON & SONS

## KEYSTONE GROOVER

### OR DADO HEAD

Set No. 7 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{8}$ " "  
1 " " "  $\frac{1}{4}$ " "  
6 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{8}$ " to 2" inclusive

Set No. 8 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{8}$ " "  
1 " " "  $\frac{1}{4}$ " "  
8 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{8}$ " to 2 $\frac{1}{2}$ " inclusive

Set No. 9 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{8}$ " "  
1 " " "  $\frac{1}{4}$ " "  
10 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{8}$ " to 3" inclusive

Set No. 10 { 2 outside saws, each  $\frac{1}{8}$ " thick  
2 inside pieces, "  $\frac{1}{8}$ " "  
1 " " "  $\frac{1}{4}$ " "  
14 " " "  $\frac{1}{4}$ " "  
Cuts grooves  $\frac{1}{8}$ " to 4" inclusive

## PRICE LIST KEYSTONE GROOVER

	Diam.	5"	6"	7"	8"	9"	10"	12"	14"	16"	18"
Set No. 1	\$10.95	12.40	14.10	15.75	17.45	19.55	22.15	25.00	28.55	32.30	
Set No. 2	13.35	15.00	17.00	18.95	20.95	23.35	26.25	29.40	33.45	37.60	
Set No. 3	15.75	17.60	19.90	22.15	24.45	27.15	30.35	33.80	38.35	42.90	
Set No. 4	18.15	20.20	22.80	25.35	27.95	30.95	34.45	38.20	43.25	48.20	
Set No. 5	20.55	22.80	25.70	28.55	31.45	34.75	38.55	42.60	48.15	53.50	
Set No. 6	22.95	25.40	28.60	31.75	34.95	38.55	42.65	47.00	53.05	58.80	
Set No. 7	25.35	28.00	31.50	34.95	38.45	42.35	46.75	51.40	57.95	64.10	
Set No. 8	30.15	33.20	37.30	41.35	45.45	49.95	54.95	60.20	67.75	74.70	
Set No. 9	34.95	38.40	43.10	47.75	52.45	57.55	63.15	69.00	77.55	85.30	
Set No. 10	44.55	48.80	54.70	60.65	66.45	72.75	79.55	86.60	97.15	106.50	

## EXTRA OUTSIDE SAWS, EACH $\frac{1}{8}$ " THICK

5"	6"	7"	8"	9"	10"	12"	14"	16"	18"	Diam.
\$3.00	3.50	4.10	4.70	5.30	6.10	7.15	8.30	9.80	11.40	Each

## EXTRA INSIDE PIECES KEYSTONE GROOVER

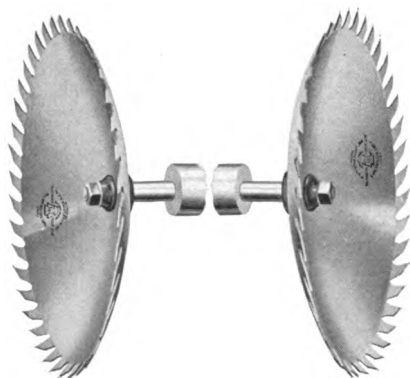
Thick	5"	6"	7"	8"	9"	10"	12"	14"	16"	18"	Diam.
$\frac{1}{8}$ "	\$1.60	1.75	1.90	2.05	2.20	2.35	2.50	2.65	2.80	2.95	Each
$\frac{1}{4}$ "	1.75	1.90	2.10	2.25	2.45	2.65	2.85	3.10	3.35	3.60	"
$\frac{3}{4}$ "	2.40	2.60	2.90	3.20	3.50	3.80	4.10	4.40	4.90	5.30	"



# CONCAVE SAWS

LEFT-HAND

RIGHT-HAND



We respectfully call attention of manufacturers of chair or wheelwright lumber, barrels, etc., to concave saws, which we are manufacturing in large numbers. They are dished and tempered by an entirely new and patented process, and guaranteed to be of superior quality in every respect.

Diameter	Gauge	Size of Hole	Price				
6 inches,	16	$\frac{3}{4}$ inch,	\$6.00 each	\$0.10 extra for each additional gauge.			
7 "	15	$\frac{3}{4}$ "	6.80 "	.12 "	"	"	"
8 "	15	$\frac{7}{8}$ "	7.60 "	.15 "	"	"	"
9 "	15	$\frac{7}{8}$ "	8.50 "	.20 "	"	"	"
10 "	14	1 "	9.50 "	.25 "	"	"	"
11 "	14	1 "	10.50 "	.30 "	"	"	"
12 "	14	1 "	11.60 "	.40 "	"	"	"
14 "	13	$1\frac{1}{8}$ "	13.50 "	.55 "	"	"	"
16 "	13	$1\frac{1}{8}$ "	15.50 "	.70 "	"	"	"
18 "	12	$1\frac{1}{4}$ "	17.80 "	.85 "	"	"	"
20 "	12	$1\frac{3}{8}$ "	20.50 "	1.00 "	"	"	"

Sizes under 6 inches, take 6 inch list.

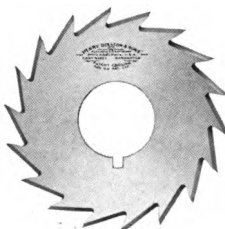
Saws concaved to smaller circle than 16 inches, advance 20% on list.

Extra sizes made to order. Price on application.

When ordering concave saws, give circle to which the saw is to be dished; also indicate to which side it is to be dished or concaved, right- or left-hand, saw running toward you. (See cut.)

## CHAMFERING SAW

These saws are used in conjunction with Concave Saws for cutting a Chamfer on heads of



Barrels and Kegs. The teeth are milled to make a shear cut. The front of tooth beveled to 60°.

Diameter	Size of Hole	Thickness	Number of Teeth	Price
6 inch	2 inch	$\frac{3}{8}$ inch	18	\$10.40 each
6 $\frac{1}{2}$ "	"	"	"	11.60 "

Special sizes and patterns, prices on application.

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## CYLINDER SAW

We make all patterns of Cylinder Saws, both brazed and open joint. Bottom saws with or without heads.



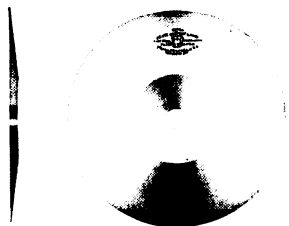
Prices quoted on receipt of specifications.

## LOCK-CORNER CUTTERS



Prices quoted on receipt of specifications

## CIRCULAR KNIVES FOR CORK, CLOTH, CANDY, LEATHER OR RUBBER CORK KNIFE



When ordering specify material to be cut, diameter, gauge, size of hole, whether beveled on one or both sides, and depth of bevel.

Diameter	List Price	Thickness
To 10 inches.....	\$0.57 per inch in diameter,	$\frac{3}{32}$ inch
Over 10 to 12 ".....	.65	$\frac{1}{8}$ "
" 12 " 14 ".....	.72	$\frac{1}{8}$ "
" 14 " 16 ".....	.80	$\frac{1}{8}$ "
" 16 " 18 ".....	.88	$\frac{5}{32}$ "
" 18 " 20 ".....	.95	$\frac{5}{32}$ "
" 20 " 22 ".....	1.04	$\frac{5}{32}$ "
" 22 " 24 ".....	1.12	$\frac{5}{32}$ "
" 24 " 26 ".....	1.20	$\frac{3}{16}$ "
" 26 " 28 ".....	1.27	$\frac{3}{16}$ "
" 28 " 30 ".....	1.35	$\frac{3}{16}$ "
" 30 " 32 ".....	1.51	$\frac{3}{16}$ "
" 32 " 34 ".....	1.68	$\frac{1}{4}$ "
" 34 " 36 ".....	1.90	$\frac{1}{4}$ "

On Knives heavier than list, add 5 per cent. for each 1/64-inch gauge.

For equivalents of gauge in inches, see page 7.

## TOOLS, SPRINGS, ETC.

We manufacture all sizes and styles of Springs, Cutting Implements and Tools

Flat Springs  
Loom Springs

Slitter Blades  
Perforator Blades

Candy Knives  
Shuttle Covers

Thrust Collars

Enameling Plates (high finish)  
Plain Discs

Pattern Plates for Foundry use  
Automobile Clutch Discs, Etc.

Flat and Curved Plates for Scoring, Cutting and Creasing Presses.  
Punchings and Stampings of all descriptions.  
Steel cut to all shapes.

Prices quoted on receipt of specifications

## BARREL STAVE SAWS

BEST CRUCIBLE STEEL, GROUND AND TEMPERED BY OUR IMPROVED PROCESS

### CYLINDER SAW



Prices of STRAIGHT CYLINDER SAWS with shafts and heads only, for Keg, Half Barrel and Barrel Stave Sawing Machines

Diameter Inches	Length Over all	Price	Diameter Inches	Length Over all	Price
11	19	\$148.00	16	42	\$380.00
12	23	169.00	18	42	405.00
13	23	187.00	20	42	422.00
14	23	205.00	24	46	477.00
15	23	224.00	24	48	481.00
16	23	249.00	26	48	568.00
20	23	295.00	26	53	675.00
16	36	346.00	36	72	1688.00

## BILGING CYLINDER SAWS

WITH SHAFT AND HEAD ONLY



Diameter Inches	Length over all Inches	Price
10 to 15	28	\$320.00
16	36	355.00

# RESTEELING STRAIGHT CYLINDER SAWS

WITH SOLID STEEL EDGES

Diameter, inches	Length, inches	Edge, inches	Price
8 to 12	23 or less	6	\$35.00
12	24 to 30	6½	40.00
14	36	6½	45.00
16	36	6½	50.00
18	40	7	55.00
20	42	7½	60.00
22	44	8	65.00
24	46	8½	75.00
24	48	8½	75.00
26	48	8½	85.00
26	53	8½	85.00

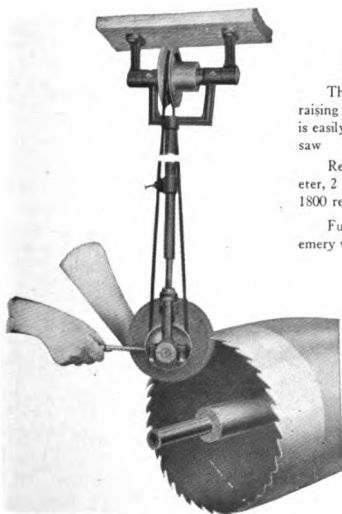
Resteeling Prices NET; not subject to Discount.

## RESTEELING BILGE SAWS

Diameter	Length	Edge	Price
10" to 15"	28"	6"	\$60.00
16"	36"	6"	100.00

Resteeling Prices NET; not subject to Discount.

Saws to be delivered, freight paid, at factory. Extra charge for boxing. Extra charge for truing bearings. Extra charge for balancing cylinders.



## CYLINDER SAW GUMMER

The frame is so constructed as readily to allow raising or lowering the emery wheel; and the wheel is easily moved to any angle required while gumming saw

Receiving pulley in head of gummer, 2½ in. diameter, 2 in. face, and should be run at speed of 1600 to 1800 revolutions.

Furnished complete with ½ inch round belt and one emery wheel 7 inches diameter and ½ inch thick.

Complete, \$36.50

## SCREW



## SLOTTER

Made of a Disston quality of steel specially suited for this and other similar work. Teeth of proper shape and pitch. Hardened under our improved process, not ground on sides.

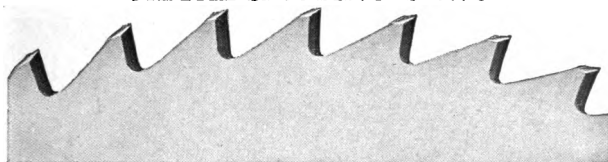
Diameter of Cutter	Thickness in Decimals	Size of Hole	Diameter of Cutter	Thickness in Decimals	Size of Hole
2 3/4 in.	.182	1 in.	2 1/4 in.	.045	5/8 in.
2 3/4 "	.162	" "	2 1/4 "	.040	" "
2 3/4 "	.144	" "	2 1/4 "	.035	" "
2 3/4 "	.128	3/4 and 1 in.	2 1/4 "	.032	1/2, 5/8 and 3/4 in.
2 3/4 "	.114	" "	2 1/4 "	.028	" "
2 3/4 "	.102	" "	2 1/4 "	.025	" "
2 3/4 "	.091	" "	2 1/4 "	.023	" "
2 3/4 "	.081	" "	2 1/4 "	.020	" "
2 3/4 "	.072	" "	2 1/4 "	.018	" "
2 3/4 "	.064	1/2, 5/8, 3/4 and 1 in.	2 1/4 "	.016	" "
2 3/4 "	.057	" "	2 1/4 "	.014	" "
2 3/4 "	.051	" "	2 1/4 "	.012	" "
2 3/4 "	.045	" "	2 1/4 "	.010	" "
2 3/4 "	.040	" "	2 1/4 "	.008	" "
2 3/4 "	.035	" "	2 1/4 "	.006	" "
2 3/4 "	.032	" "	1 3/4 "	.064	5/8 in.
2 3/4 "	.028	" "	1 3/4 "	.057	" "
2 3/4 "	.025	" "	1 3/4 "	.051	" "
2 3/4 "	.023	" "	1 3/4 "	.045	" "
2 3/4 "	.020	" "	1 3/4 "	.040	" "
2 3/4 "	.018	" "	1 3/4 "	.035	" "
2 3/4 "	.016	" "	1 3/4 "	.032	" "
2 3/4 "	.014	" "	1 3/4 "	.028	" "
2 3/4 "	.012	" "	1 3/4 "	.025	" "
2 3/4 "	.010	" "	1 3/4 "	.023	" "
2 3/4 "	.008	" "	1 3/4 "	.020	3/8, 1/2 and 5/8 in.
2 3/4 "	.006	" "	1 3/4 "	.018	" "
2 1/4 "	.102	3/8 in.	1 3/4 "	.016	" "
2 1/4 "	.091	" "	1 3/4 "	.014	" "
2 1/4 "	.081	" "	1 3/4 "	.012	" "
2 1/4 "	.072	" "	1 3/4 "	.010	" "
2 1/4 "	.064	" "	1 3/4 "	.008	" "
2 1/4 "	.057	" "	1 3/4 "	.006	" "
2 1/4 "	.051	" "			

Special sizes made to order

Standard Cutters, 2 1/4 in. diam. made with 72 teeth; 2 1/4 in., 60 teeth; 1 3/4 in., 90 teeth

Prices quoted on application

# METAL-SLITTING SAWS



REGULAR



FORMED TOOTH

These saws are made of a quality of steel exactly suiting the purpose for which they are intended. The teeth are of such shape as to render them strong and effective cutters. Hardened by our improved process and accurately ground thin towards centre for clearance.

Special saws of any pattern made to order.

Saws 2½ inches diameter have ⅜ inch hole; 3 to 10 inches, 1 inch hole.

Diameter	Thickness										
	⅜	½	⅝	¾	⅞	1	1 ⅛	1 ¼	1 ½	1 ⅝	
2½"....	\$1.25	1.25	1.25	1.35	1.40	1.50	1.60	.....	.....	.....	each
3".....	1.40	1.40	1.40	1.50	1.55	1.65	1.75	.....	.....	.....	"
4".....	1.70	1.70	1.70	1.80	2.00	2.10	2.20	2.30	2.40	.....	"
5".....	2.05	2.05	2.05	2.20	2.40	2.55	2.70	2.85	3.00	3.25	"
6".....	2.50	2.50	2.50	2.70	2.95	3.15	3.30	3.50	3.70	4.05	"
7".....	2.90	2.90	3.10	3.40	3.70	3.90	4.15	4.40	4.90	.....	"
8".....	4.00	4.00	4.30	4.60	5.00	5.40	5.80	6.20	6.60	.....	"
9".....	.....	5.25	5.50	5.80	6.15	6.45	6.90	7.35	7.80	.....	"
10".....	.....	6.50	6.75	7.00	7.25	7.50	8.00	8.50	9.00	.....	"

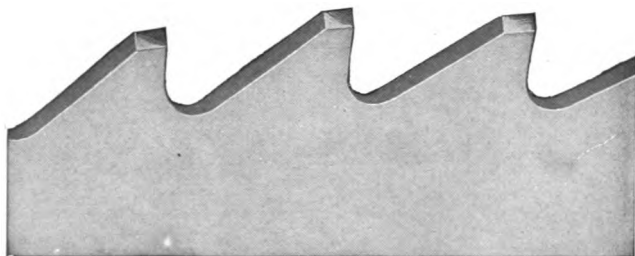
**Semi-high speed saws** advance 25%. **Formed tooth slitting saws** advance 25%.

For prices on high-speed steel Metal Slitting saws, see page 46.

## CIRCULAR MILLING SAWS

## HIGH CARBON CRUCIBLE STEEL

FOR CUTTING METAL AT SLOW SPEED



Diam. Inches	Thickness, inches						
	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
12	\$8 50	9 50	10 50	11 75	13 00	14 00	15 00 each
14	9 75	11 00	13 00	14 25	15 75	17 50	18 75 "
16	11 75	13 50	15 00	17 25	19 25	21 00	23 50 "
18	14 75	15 50	18 25	20 50	23 00	25 50	28 00 "
20	17 50	18 50	21 00	25 50	27 50	30 50	33 50 "
22		21 50	24 75	29 25	32 75	36 50	39 50 "
24		26 25	30 50	35 00	38 75	43 00	48 00 "
26		28 50	34 00	41 00	45 50	49 50	54 50 "
28			37 50	44 25	50 50	56 25	62 00 "
30			44 00	50 00	57 00	64 00	71 00 "
32			53 00	61 00	68 00	76 00	82 00 "
34			58 50	67 00	75 50	84 00	92 50 "
36			65 00	74 00	84 00	93 00	102 50 "
38				88 50	98 50	110 00	121 00 "
40				107 00	118 50	132 50	143 00 "
42				118 00	132 50	144 00	157 50 "
44					142 50	157 00	172 00 "
46					155 50	172 00	187 50 "
48					174 00	192 50	210 50 "
50					194 00	215 00	236 00 "

Saws 22, 24 and 26 inch,  $\frac{1}{8}$  inch or less in thickness, advance 25%

Saws 28, 30, 32, 34 and 36 inch, less than  $\frac{1}{8}$  inch in thickness, advance 50%

Bored and drilled to specifications for any standard make of Milling machine

When ordering, state size of bore, size, position and number of pin holes, space and shape of teeth, and diameter of collars used

The above list covers cost of saws ground thin toward centre for clearance. Saws of this pattern also finished of same thickness at centre and rim, and teeth swaged or set to obtain clearance in cut.

Semi-High Speed Saws advance 25%

Prices on Saws of special dimensions quoted on receipt of specifications

Milling Saws made over, remilled, not ground—40% price of new saws of same dimensions

Milling Saws made over, remilled, and ground—60% price of new saws of same dimensions

Milling Saws made over, not remilled nor reground—20% price of new saws of same dimensions

Owner to accept risk of breakage which may be incurred in reworking process

We manufacture Saws for all makes of milling machines, including Burke Machinery Co., Burr &amp; Son, Cochrane &amp; Bly, Espen Lucas, Lea Simplex Machine, Newton Machine Tool Works, Nutter, Barnes &amp; Co.

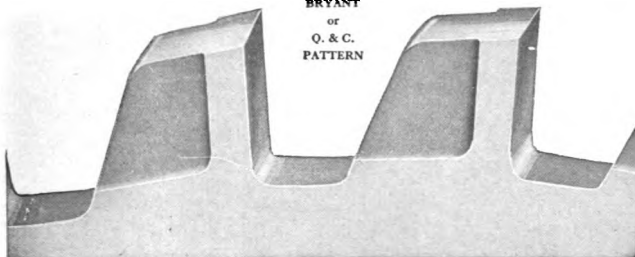


# SPECIAL MILLING SAWS

FOR CUTTING METAL  
AT SLOW SPEED

HIGH CARBON  
CRUCIBLE STEEL

BRYANT  
or  
Q. & C.  
PATTERN



Diameter .	16	18	20½	23½	25	28	30	31½	36 inches
Thickness.	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{8}$ "
Price....	\$13.50	15.50	24.75	30.50	34.00	37.50	44.00	53.00	69.50 each

Semi-High Speed Saws advance 25%

The above list covers cost of saws ground thin towards centre for clearance. Saws of this pattern also finished of same thickness at centre and rim, and teeth set to obtain clearance in cut.

# SPECIAL MILLING SAWS

FOR CUTTING METAL  
AT SLOW SPEED

HIGH CARBON  
CRUCIBLE STEEL



HIGLEY AND LEA-SIMPLEX PATTERN

Diameter . . .	12½	13½	14	15	16	18	20 inches
Thickness....	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$ "
Price.....	\$9.75	11.00	11.00	13.50	13.50	15.50	18.50 each

Diameter . . .	21	24	26	28	31	33	36	40 inches
Thickness....	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$ "
Price.....	\$21.50	26.25	28.50	37.50	53.00	58.50	79.00	112.75 each

Semi-High Speed Saws advance 25%

Prices on saws of special dimensions quoted on receipt of specifications.

Milling Saws made over, remilled, not ground—40% price of new saws of same dimensions.

Milling Saws made over, remilled, and ground—60% price of new saws of same dimensions.

Milling Saws made over, not remilled nor reground—20% price of same dimensions.

Owner to accept risk of breakage which may be incurred in reworking process.

# HIGH-SPEED STEEL METAL SAWS

Diam. Inches	Thickness Inches	Price Each	Diam. Inches	Thickness Inches	Price Each	Diam. Inches	Thickness Inches	Price Each
2½	⅜	\$2.40	3	⅜	\$19.50	17	⅜	\$105.00
2½	⅜	2.60	8	⅜	22.60	17	⅜	122.00
2½	⅜	2.70	8	⅜	24.60	18	⅜	83.00
2½	⅜	2.90	8	⅜	30.40	18	⅜	94.00
2½	⅜	3.30	9	⅜	12.40	18	⅜	105.00
2½	⅜	3.70	9	⅜	15.50	18	⅜	116.00
2½	⅜	4.10	9	⅜	18.40	18	⅜	138.00
3	⅜	2.80	9	⅜	21.40	19	⅜	92.00
3	⅜	2.95	9	⅜	24.50	19	⅜	105.00
3	⅜	3.20	9	⅜	28.00	19	⅜	117.00
3	⅜	3.50	9	⅜	30.40	19	⅜	130.00
3	⅜	4.00	9	⅜	37.60	19	⅜	154.00
3	⅜	4.60	10	⅜	15.00	20	⅜	101.00
3	⅜	5.00	10	⅜	18.00	20	⅜	115.00
4	⅜	3.80	10	⅜	21.75	20	⅜	128.00
4	⅜	4.05	10	⅜	25.50	20	⅜	142.00
4	⅜	4.35	10	⅜	28.75	20	⅜	170.00
4	⅜	5.00	10	⅜	33.75	21	⅜	126.00
4	⅜	5.75	10	⅜	36.60	21	⅜	140.00
4	⅜	6.75	10	⅜	45.50	21	⅜	156.00
4	⅜	7.50	11	⅜	36.50	21	⅜	185.00
4	⅜	8.60	11	⅜	41.50	22	⅜	137.00
4	⅜	9.25	11	⅜	46.50	22	⅜	152.00
5	⅜	4.50	11	⅜	51.00	22	⅜	170.00
5	⅜	4.75	11	⅜	56.00	22	⅜	205.00
5	⅜	5.40	11	⅜	62.00	22	⅜	149.00
5	⅜	6.20	12	⅜	36.50	23	⅜	166.00
5	⅜	7.20	12	⅜	41.50	23	⅜	185.00
5	⅜	8.35	12	⅜	46.50	23	⅜	222.00
5	⅜	9.30	12	⅜	51.00	24	⅜	161.00
5	⅜	10.40	12	⅜	56.00	24	⅜	179.00
5	⅜	11.25	12	⅜	62.00	24	⅜	200.00
5	⅜	13.00	13	⅜	42.00	24	⅜	240.00
6	⅜	5.60	13	⅜	47.50	25	⅜	219.00
6	⅜	6.20	13	⅜	53.50	25	⅜	260.00
6	⅜	6.80	13	⅜	59.00	26	⅜	235.00
6	⅜	8.20	13	⅜	65.00	26	⅜	280.00
6	⅜	9.50	13	⅜	72.00	27	⅜	252.00
6	⅜	11.00	14	⅜	47.00	27	⅜	302.00
6	⅜	12.60	14	⅜	54.00	28	⅜	275.00
6	⅜	13.90	14	⅜	60.50	28	⅜	320.00
6	⅜	15.00	14	⅜	67.00	30	⅜	315.00
6	⅜	18.40	14	⅜	74.00	30	⅜	366.00
7	⅜	7.50	14	⅜	84.00	30	⅜	400.00
7	⅜	9.00	15	⅜	57.00	30	⅜	435.00
7	⅜	10.40	15	⅜	68.00	31	⅜	335.00
7	⅜	12.50	15	⅜	76.00	31	⅜	396.00
7	⅜	14.00	15	⅜	84.00	31	⅜	434.00
7	⅜	15.50	15	⅜	96.00	31	⅜	470.00
7	⅜	17.90	16	⅜	67.00	32	⅜	422.00
7	⅜	19.45	16	⅜	76.00	32	⅜	460.00
7	⅜	24.00	16	⅜	85.00	32	⅜	498.00
8	⅜	9.00	16	⅜	94.00	34	⅜	520.00
8	⅜	10.40	16	⅜	108.00	34	⅜	560.00
8	⅜	12.30	17	⅜	75.00	36	⅜	622.00
8	⅜	15.00	17	⅜	85.00	36	⅜	715.00
8	⅜	17.20	17	⅜	95.00	36	⅜	810.00

Saws 22, 24 and 26 inch, ⅜ inch or less in thickness, advance 25%.

Saws 28, 30, 32, 34 and 36 inch, less than ⅜ inch in thickness, advance 50%.

We make High-Speed Steel Milling Saws of all regular patterns and sizes, also to special specifications. When ordering, state size of bore, size, position and number of pin holes, space and shape of teeth and diameter of collars used, also character of work for which saw is required.

**SEMI-HIGH SPEED STEEL MILLING SAWS**

Diam. Inches	Thickness Inches	Price Each	Diam. Inches	Thickness Inches	Price Each	Diam. Inches	Thickness Inches	Price Each
2½	⅜	.....	8	⅜	.....	17	⅜	.....
2½	⅝	.....	8	⅝	.....	17	⅝	.....
2½	⅞	.....	8	⅞	.....	18	⅜	.....
2½	1	.....	8	1	.....	18	⅝	.....
2½	1¼	.....	9	⅜	.....	18	⅞	.....
2½	1½	.....	9	⅝	.....	18	1	.....
2½	1¾	.....	9	¾	.....	18	1¼	.....
3	⅜	.....	9	⅝	.....	19	⅜	.....
3	⅝	.....	9	¾	.....	19	⅝	.....
3	⅞	.....	9	1	.....	19	¾	.....
3	1	.....	9	1¼	.....	19	⅞	.....
3	1¼	.....	10	⅜	.....	20	⅜	.....
3	1½	.....	10	⅝	.....	20	⅝	.....
4	⅜	.....	10	¾	.....	20	¾	.....
4	⅝	.....	10	1	.....	20	⅞	.....
4	⅞	.....	10	1¼	.....	20	1	.....
4	1	.....	10	1½	.....	21	⅜	.....
4	1¼	.....	10	1¾	.....	21	⅝	.....
4	1½	.....	11	⅜	.....	21	⅞	.....
4	1¾	.....	11	⅝	.....	22	⅜	.....
4	1	.....	11	¾	.....	22	⅝	.....
5	⅜	.....	11	1	.....	22	¾	.....
5	⅝	.....	11	1¼	.....	22	⅞	.....
5	⅞	.....	12	⅜	.....	23	⅜	.....
5	1	.....	12	⅝	.....	23	⅝	.....
5	1¼	.....	12	¾	.....	23	¾	.....
5	1½	.....	12	1	.....	24	⅜	.....
5	1¾	.....	12	1¼	.....	24	⅝	.....
5	1	.....	13	⅜	.....	24	⅞	.....
6	⅜	.....	13	⅝	.....	25	⅜	.....
6	⅝	.....	13	¾	.....	25	⅝	.....
6	⅞	.....	13	1	.....	26	⅜	.....
6	1	.....	14	⅜	.....	26	⅝	.....
6	1¼	.....	14	⅝	.....	27	⅜	.....
6	1½	.....	14	¾	.....	27	⅝	.....
6	1¾	.....	14	1	.....	28	⅜	.....
6	1	.....	14	1¼	.....	28	⅝	.....
7	⅜	.....	15	⅜	.....	30	⅜	.....
7	⅝	.....	15	⅝	.....	30	⅝	.....
7	⅞	.....	15	¾	.....	30	¾	.....
7	1	.....	15	1	.....	31	⅜	.....
7	1¼	.....	16	⅜	.....	31	⅝	.....
7	1½	.....	16	⅝	.....	31	¾	.....
7	1¾	.....	16	¾	.....	32	⅜	.....
7	1	.....	16	1	.....	32	⅝	.....
8	⅜	.....	16	1¼	.....	32	⅞	.....
8	⅝	.....	17	⅜	.....	34	⅜	.....
8	⅞	.....	17	⅝	.....	34	⅝	.....
8	1	.....	17	¾	.....	36	⅜	.....
8	1¼	.....	17	1	.....	36	⅝	.....

**Semi-high Speed Steel** is an alloy quality of our own development between High Carbon and High Speed Steels. The cost is intermediate, and saws made of this steel give proportionate results.

**Prices Quoted on Application**

## CIRCULAR SAWS

FOR CUTTING HOT METALS AT HIGH SPEED

In ordering, give distance between points of teeth. Hot saws less than 36 inches in diameter take straight ground slate saw list below:

Diam.	Thickness of Plate	Price Each	Each 1/32 in. Heavier	Diam.	Thickness of Plate	Price Each	Each 1/32 in. Heavier
36 in.	$\frac{3}{16}$ in.	\$37.00	\$2.30	50 in.	$\frac{3}{16}$ in.	\$77.00	\$4.45
38 "	$\frac{3}{8}$ "	42.00	2.55	52 "	$\frac{3}{8}$ "	84.00	4.80
40 "	$\frac{1}{2}$ "	49.00	2.85	54 "	$\frac{1}{2}$ "	90.00	4.80
42 "	$\frac{5}{8}$ "	53.00	3.15	56 "	$\frac{5}{8}$ "	106.00	5.55
44 "	$\frac{3}{4}$ "	56.00	3.45	58 "	$\frac{3}{4}$ "	113.00	5.95
46 "	$\frac{7}{8}$ "	60.00	3.75	60 "	$\frac{7}{8}$ "	121.00	6.40
48 "	$1$ "	64.00	4.10				

## FRICTION DISCS

FOR CUTTING COLD METAL AT HIGH SPEED  
DISCS ARE PLATES WITHOUT TEETH

Discs less than 36 inches in diameter take straight ground slate saw list less 10%

Diam.	Thickness of Plate	Price Each	Each 1/32 in. Heavier	Net Price Each Nicked Edge	Diam.	Thickness of Plate	Price Each	Each 1/32 in. Heavier	Net Price Each Nicked Edge
36 in.	$\frac{1}{4}$ in.	\$30.00	\$1.90	\$0.95	50 in.	$\frac{3}{16}$ in.	\$57.00	\$3.70	\$1.35
38 "	$\frac{1}{4}$ "	32.00	2.15	1.00	52 "	$\frac{1}{4}$ "	63.00	4.00	1.45
40 "	$\frac{1}{4}$ "	35.00	2.40	1.05	54 "	$\frac{1}{4}$ "	68.00	4.30	1.55
42 "	$\frac{1}{4}$ "	37.00	2.60	1.10	56 "	$\frac{1}{4}$ "	82.00	4.60	1.65
44 "	$\frac{1}{4}$ "	40.00	2.85	1.20	58 "	$\frac{1}{4}$ "	88.00	4.95	1.80
46 "	$\frac{1}{4}$ "	43.00	3.15	1.25	60 "	$\frac{1}{4}$ "	95.00	5.30	1.95
48 "	$\frac{1}{4}$ "	46.00	3.45	1.30					

## SLATE SAWS

OIL TREATED AND HOLLOW GROUND

Diam.	Thickness of Plate	Price
14 inches	10 gauge	\$7.00 each
16 "	10 "	8.50 "
18 "	9 "	10.50 "
20 "	8 "	13.50 "
22 "	7 "	16.00 "
24 "	6 "	20.00 "
26 "	6 "	27.00 "

STRAIGHT GROUND

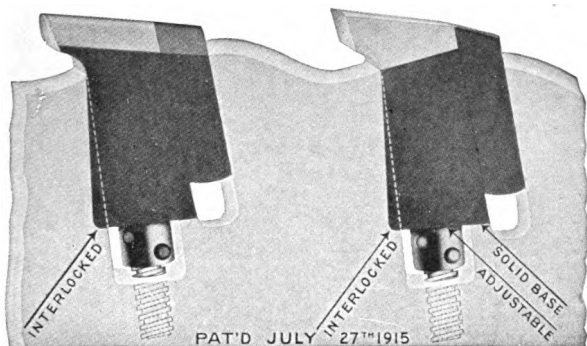
Diam.	Thickness of Plate	Price
14 inches	10 gauge	\$4.50 each
16 "	10 "	5.00 "
18 "	9 "	6.50 "
20 "	8 "	8.00 "
22 "	7 "	10.00 "
24 "	6 "	12.00 "
26 "	6 "	14.00 "
28 "	5 "	16.00 "
30 "	5 "	19.00 "
32 "	5 "	22.00 "
34 "	5 "	25.00 "

UNGROUND

Diam.	Thickness of Plate	Price Each	Each 1/32 in. Heavier
36 inches	4 gauge	\$26.00	\$2.30
38 "	4 "	29.00	2.55
40 "	4 "	32.00	2.85
42 "	3 "	38.00	3.15
44 "	3 "	40.00	3.45
46 "	3 "	42.00	3.75
48 "	2 "	47.00	4.10
36 "	0 "	34.00	2.30
38 "	0 "	38.00	2.55
40 "	0 "	42.00	2.85
42 "	0 "	45.00	3.15
44 "	0 "	49.00	3.45
46 "	0 "	53.00	3.75
48 "	0 "	57.00	4.10
36 "	00 & $\frac{1}{16}$ inch	37.00	2.30
38 "	00 "	41.00	2.55
40 "	00 "	45.00	2.85
42 "	00 "	49.00	3.15
44 "	00 "	53.00	3.45
46 "	00 "	57.00	3.75
48 "	00 "	61.00	4.10

We also make Circular Saws with inserted teeth for cutting slate

## "INTERLOCKING" TOOTH SAW



These saws are manufactured with adjustable base for teeth as shown in cut above, also with solid base for teeth as illustrated on page 52. Made any diameter or thickness wanted

This pattern of Inserted Tooth Circular Milling Saw is the result of many years' experience in manufacturing saws and numerous practical tests in actual operation.

The Interlocked represents the highest type of milling saw. It is the fastest cutting, most powerful and durable metal-cutting saw ever made.

Once properly adjusted, the teeth are practically immovable; in fact, the harder the pull, the tighter they hold. The teeth are of Disston High-speed Steel, and plate of best quality high carbon steel, specially treated.

### SAWS WITH ADJUSTABLE BASE

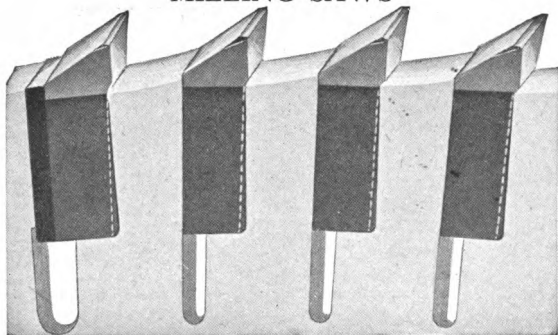
Diam.	Thickness of Plate	Size of Tooth	Width of Kerf	No. of Teeth	Price Each
14 in.	$\frac{1}{8}$ in.	No. 1	$\frac{1}{8}$ in.	28	\$74.00
16 "	$\frac{1}{8}$ "	1	"	32	83.00
18 "	$\frac{1}{8}$ "	1	"	36	92.00
20 "	$\frac{1}{8}$ "	1	"	40	112.00
20 "	$\frac{1}{8}$ "	2	"	40	140.00
22 "	$\frac{1}{8}$ "	2	"	44	154.00
24 "	$\frac{1}{8}$ "	2	"	48	167.00
26 "	$\frac{1}{8}$ "	2	"	52	181.00
28 "	$\frac{1}{8}$ "	2	"	54	195.00
30 "	$\frac{1}{8}$ "	3	"	44	202.00
32 "	$\frac{1}{8}$ "	3	"	46	215.00
34 "	$\frac{1}{8}$ "	3	"	50	233.00
36 "	$\frac{1}{8}$ "	3	"	52	245.00
38 "	$\frac{1}{8}$ "	3	"	54	265.00

Diam.	Thickness of Plate	Size of Tooth	Width of Kerf	No. of Teeth	Price Each
40 in.	$\frac{1}{8}$ in.	No. 4	$\frac{1}{8}$ in.	52	\$330.00
42 "	$\frac{1}{8}$ "	4	"	54	345.00
44 "	$\frac{1}{8}$ "	4	"	56	365.00
46 "	$\frac{1}{8}$ "	4	"	58	383.00
48 "	$\frac{1}{8}$ "	4	"	60	400.00
50 "	$\frac{1}{8}$ "	4	"	62	420.00
52 "	$\frac{1}{8}$ "	5	"	56	475.00
54 "	$\frac{1}{8}$ "	5	"	58	507.00
56 "	$\frac{1}{8}$ "	5	"	60	527.00
58 "	$\frac{1}{8}$ "	5	"	62	550.00
60 "	$\frac{1}{8}$ "	5	"	64	575.00

### EXTRA "INTERLOCKING" TEETH HIGH-SPEED STEEL

	No. 1	No. 1	No. 2	No. 2	No. 2	No. 3	No. 4	No. 5
Plate.....	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.
Kerf.....	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.
Price, Teeth.....	\$0.90	1.00	1.00	1.10	1.20	1.90	2.40	3.25 each
" Wedges.....	.30	.30	.30	.35	.35	.40	.45	.50 "

**DISSTON  
SECTIONAL INTERLOCKED  
INSERTED TOOTH CIRCULAR  
MILLING SAWS**



*View showing detail of teeth in Disston Sectional Interlocked Saw. One wedge firmly locks four to six teeth in place, depending on size of saw.*

PATENTED JULY 27, 1915; OCT. 15, 1918.

The Disston Sectional Interlocked Inserted Tooth Metal Cutting Saw is made for use in cutting irregular shapes, hard steel rails, gates and risers for steel castings, and wherever a fine pitch of tooth is needed.

**Four Points of Merit**

1. The teeth are milled from high-speed steel, and are so formed that they taper slightly, on both sides, from the cutting edge of the tooth to the blade, thus allowing for ample clearance where most needed.
2. The cutting-edge ends of each tooth are slightly beveled, but alternating right and left, the bevel is heavier on one side of the cutting edge than on the other, thus breaking the chip and reducing the strain on the saw.
3. The blade is manufactured from Disston-made steel, is of uniform thickness, and always retains its original diameter. It can be operated with 50% less power than a solid tooth blade.
4. We guarantee from 100 to 300% more service from this saw than can be obtained from any other saw designed for this purpose

We are in a position to prove these points by practical tests, at our expense, on any of the standard makes of circular milling saw machines now on the market.

FOR PRICES, SEE NEXT PAGE

# HENRY DISSTON & SONS

## DISSTON INSERTED TOOTH SECTIONAL INTERLOCKED CIRCULAR MILLING SAW

Patented  
July 27, 1915  
Oct. 15, 1918

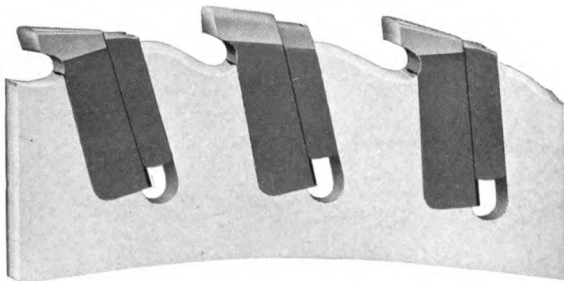
Diameter Inches	Thickness Inches	Kerf Inches	Pattern	Teeth	Price Each
12			B	56	\$90.00
14			B	60	100.00
16			B	68	115.00
16			C	68	120.00
18			B	76	135.00
18			C	76	140.00
20			B	84	145.00
20			C	84	150.00
20			F	76	140.00
20			H	72	145.00
20			L	72	150.00
22			C	92	165.00
22			F	84	150.00
22			H	80	155.00
22			L	80	165.00
24			C	100	185.00
24			H	88	175.00
24			L	88	185.00
26			H	96	190.00
26			L	96	200.00
28			H	100	200.00
28			L	100	210.00
30			H	108	220.00
30			L	108	235.00
32			L	116	250.00
34			L	124	265.00
36			L	132	290.00
36			N	132	310.00
38			L	136	315.00
38			N	136	325.00
40			L	144	340.00
40			N	144	360.00
42			N	152	385.00
44			N	160	410.00
46			N	164	435.00
48			N	172	460.00
50			N	180	490.00

### EXTRA TEETH. High Speed Steel

Pattern	Plate Thick in.	Width of Kerf in.	Price	Pattern	Plate Thick in.	Width of Kerf in.	Price
A			\$0.45 each	G			\$0.55 each
B			.45 "	H			.55 "
C			.50 "	K			.60 "
D			.50 "	L			.60 "
E			.50 "	M			.70 "
F			.55 "	N			.70 "

Wedges, all sizes \$0.30 each

# DISSTON ECLIPSE SOLID BASE INSERTED TOOTH CIRCULAR MILLING SAW



This pattern of Inserted Tooth is adaptable for the smaller and thinner saws such as are required for the lighter grades of work, i. e., cutting small, thin stock, giving an intermediate pitch of tooth between our regular pattern of Interlocked and Sectional Interlocked Saws. It is also made in larger sizes and thicker plates suitable for heavy cutting in solid forgings, etc.

The design of this saw permits the use of a greater number and finer teeth with reduced pitch than the ordinary patterns of Inserted Tooth Saws.

The teeth are made of Disston High-speed Steel and the plate is of the best quality High Carbon Steel. The price of the saw is moderate; the cost of up-keep is unusually low. It is an economical saw for all kinds of metal cutting.

## ECLIPSE SOLID BASE SAWS

Diameter	Thickness	Kerf	Pattern	No. of Teeth	Price Each
10 in.	1/4 in.	1/8 in.	Z	30	\$62.00
12 "	1/4 "	1/8 "	Z	36	72.00
14 "	1/4 "	1/8 "	Z	42	82.00
16 "	1/4 "	1/8 "	Z	48	95.00
18 "	1/4 "	1/8 "	Z	54	106.00
10 "	1/2 "	1/4 "	X	20	55.00
12 "	1/2 "	1/4 "	X	24	60.00
14 "	1/2 "	1/4 "	X	28	67.00
16 "	1/2 "	1/4 "	X	32	75.00
18 "	1/2 "	1/4 "	X	36	84.00
20 "	1/2 "	1/4 "	X	40	95.00
22 "	1/2 "	1/4 "	X	44	105.00
24 "	1/2 "	1/4 "	X	48	110.00
26 "	1/2 "	1/4 "	X	52	125.00
22 "	3/4 "	1/2 "	W	44	115.00
24 "	3/4 "	1/2 "	W	48	120.00
26 "	3/4 "	1/2 "	W	52	130.00
28 "	3/4 "	1/2 "	W	56	145.00
30 "	1/2 "	1/4 "	U	60	155.00
32 "	1/2 "	1/4 "	U	64	172.00
34 "	1/2 "	1/4 "	U	68	185.00
36 "	1/2 "	1/4 "	U	72	198.00
22 "	1/2 "	1/4 "	T	44	125.00
24 "	1/2 "	1/4 "	T	48	135.00
26 "	1/2 "	1/4 "	T	52	145.00
28 "	1/2 "	1/4 "	T	56	160.00
30 "	1/2 "	1/4 "	T	60	175.00
32 "	1/2 "	1/4 "	T	64	185.00
34 "	1/2 "	1/4 "	T	68	205.00
36 "	1/2 "	1/4 "	T	72	220.00

Diameter	Thickness	Kerf	Pattern	No. of Teeth	Price Each
30 in.	1/4 in.	1/8 in.	S	60	\$205.00
32 "	1/4 "	1/8 "	S	64	215.00
34 "	1/4 "	1/8 "	S	68	225.00
36 "	1/4 "	1/8 "	S	72	240.00
38 "	1/4 "	1/8 "	S	76	250.00
40 "	1/4 "	1/8 "	S	80	280.00
42 "	1/4 "	1/8 "	S	84	300.00
44 "	1/4 "	1/8 "	S	88	320.00
46 "	1/4 "	1/8 "	S	92	330.00
48 "	1/4 "	1/8 "	S	96	350.00
50 "	1/4 "	1/8 "	S	100	370.00
40 "	1/2 "	1/4 "	R	80	305.00
42 "	1/2 "	1/4 "	R	84	325.00
44 "	1/2 "	1/4 "	R	88	345.00
46 "	1/2 "	1/4 "	R	92	365.00
48 "	1/2 "	1/4 "	R	96	380.00
50 "	1/2 "	1/4 "	R	100	425.00
52 "	1/2 "	1/4 "	R	104	440.00
54 "	1/2 "	1/4 "	R	108	470.00
56 "	1/2 "	1/4 "	R	112	495.00
58 "	1/2 "	1/4 "	R	116	520.00
60 "	1/2 "	1/4 "	R	120	565.00
52 "	3/4 "	1/2 "	Q	104	490.00
54 "	3/4 "	1/2 "	Q	108	520.00
56 "	3/4 "	1/2 "	Q	112	550.00
58 "	3/4 "	1/2 "	Q	116	585.00
60 "	3/4 "	1/2 "	Q	120	630.00

## EXTRA TEETH, ECLIPSE SOLID BASE SAWS

Pattern	Z	X	W	U	T	S	R	Q
Thickness	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Kerf	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
Price, Teeth	\$0.70	.75	.80	.80	1.00	1.10	1.30	1.50 each
" Wedges	.30	.30	.30	.30	.40	.40	.40	.40



Trade Mark  
Registered  
U. S. Patent Office

## **"PREMIER"** INSERTED TOOTH (Teeth of High-Speed Steel) **CIRCULAR SAW** FOR METAL

Patented March 5, 1907

**DIFFERENT FROM  
ALL OTHERS IN  
PATTERN AND MATERIAL**

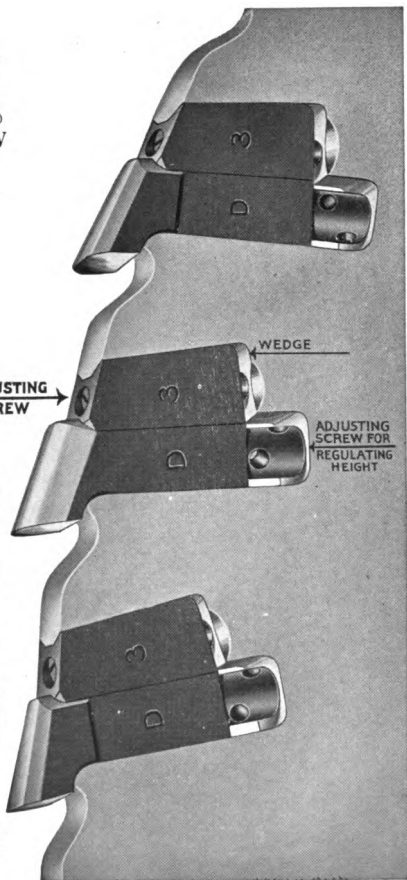
→ **ADJUSTING  
SCREW**

**WEDGE**

**ADJUSTING  
SCREW FOR  
REGULATING  
HEIGHT**

The teeth, which are made of the very best High-Speed Steel, are alternately round top and oval top. The round top tooth is narrower, and projects slightly beyond the oval tooth. This breaks the way by cutting a groove, while the oval top tooth, following, cuts out the remaining sides to full width of kerf. Cutting in this manner gives three chips instead of a single wide one, permitting greater speed, requiring less power and allowing teeth to clear chips out of kerf easily. Teeth are held in place by inverted taper wedges, tightened by screw in wedge, the teeth being adjustable in sockets by screws acting on bottom of teeth.

Particularly adapted for use in Steel Foundries and Forges for the cutting of large stock.



For prices see next page

# HENRY DISSTON & SONS

Trade Mark Registered  
U. S. Patent Office

## "PREMIER" SAW

Patented March 5, 1907

ROUND TOP



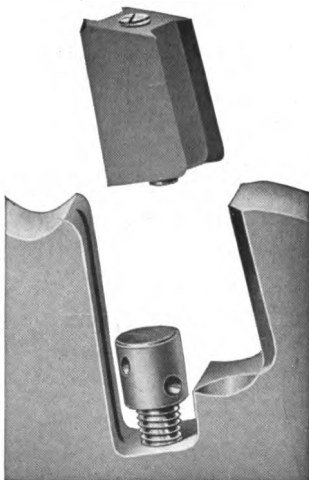
Scores the way

OVAL TOP



Cuts full width of kerf

INVERTED WEDGE



### SCREW ADJUSTMENT—

No straining of plate by hammering.

### TEETH QUICKLY INSERTED AND REMOVED—

Cannot jump out or chatter.

### RUNS SMOOTH WHILE AT WORK—

No pounding.

### MINIMUM AMOUNT OF POWER REQUIRED—

No waste power.

The teeth can be re-ground by any good mechanic. To facilitate this work, we make a special sharpening machine, the "Premier Grinder."

View of socket showing screw for regulating the height of tooth

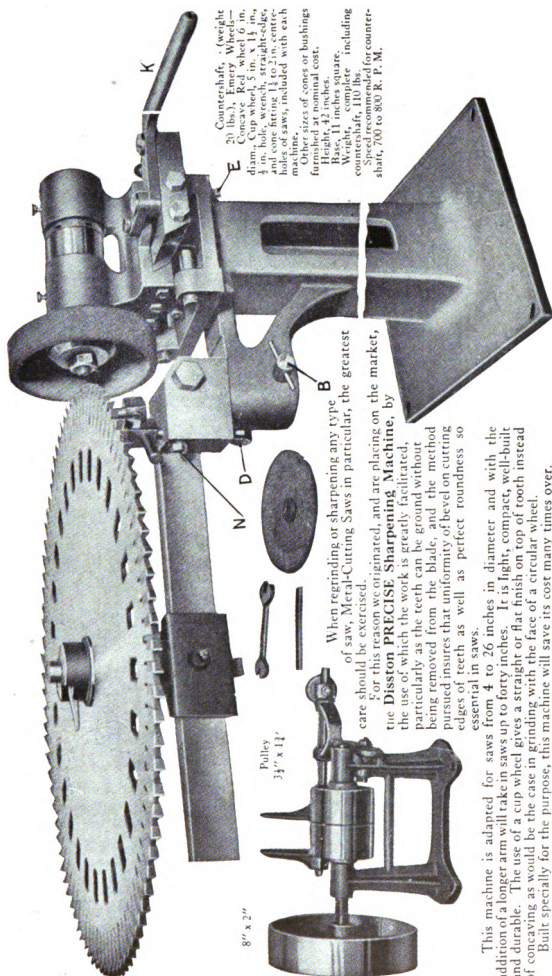
Diam.	Thickness of Plate	Size of Tooth	Width of Kerf	No. of Teeth	Price Each
16 in.	$\frac{1}{8}$ in.	No. 1	$\frac{1}{8}$ in.	30	\$120.00
18 "	$\frac{1}{8}$ "	" 1	" "	34	130.00
20 "	$\frac{1}{8}$ "	" 1	" "	38	144.00
22 "	$\frac{1}{8}$ "	" 1	" "	42	160.00
24 "	$\frac{1}{8}$ "	" 1	" "	46	175.00
26 "	$\frac{1}{8}$ "	" 1	" "	50	192.00
28 "	$\frac{1}{8}$ "	" 1	" "	52	202.00
30 "	$\frac{1}{8}$ "	" 1	" "	56	218.00
32 "	$\frac{1}{8}$ "	" 2	" "	48	240.00
34 "	$\frac{1}{8}$ "	" 2	" "	52	255.00
36 "	$\frac{1}{8}$ "	" 2	" "	54	265.00
38 "	$\frac{1}{8}$ "	" 2	" "	58	290.00
40 "	$\frac{1}{8}$ "	" 2	" "	60	305.00

Diam.	Thickness of Plate	Size of Tooth	Width of Kerf	No. of Teeth	Price Each
42 in.	$\frac{1}{8}$ in.	No. 3	$\frac{1}{8}$ in.	52	\$330.00
44 "	$\frac{1}{8}$ "	" 3	" "	54	350.00
46 "	$\frac{1}{8}$ "	" 3	" "	56	365.00
48 "	$\frac{1}{8}$ "	" 3	" "	58	385.00
50 "	$\frac{1}{8}$ "	" 4	" "	54	445.00
52 "	$\frac{1}{8}$ "	" 4	" "	56	470.00
54 "	$\frac{1}{8}$ "	" 4	" "	58	500.00
56 "	$\frac{1}{8}$ "	" 4	" "	60	525.00
58 "	$\frac{1}{8}$ "	" 5	" "	58	605.00
60 "	$\frac{1}{8}$ "	" 5	" "	60	630.00
62 "	$\frac{1}{8}$ "	" 5	" "	62	665.00
64 "	$\frac{1}{8}$ "	" 5	" "	64	695.00

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 7
Extra Teeth.....	\$1.10	1.50	1.90	2.40	3.10	7.50 each
" Wedges.....	.50	.60	.70	.80	.90	1.50 "
" Adjusting Screws.....	.10	.10	.12	.15	.25	.35 "
" Wedge Screws.....	.05	.05	.05	.08	.10	.12 "

For Foundry Use teeth cutting a wider kerf can be furnished.

# DISSTON PRECISE SHARPENING MACHINE for Sectional Interlocked Inserted and Solid Tooth Circular Metal-Cutting Saws



Countershaft, (weight 20 lbs.), Emery Wheels—Concave Red wheel 6 in. diam., Cup wheel, 5 in. x 1 1/2 in., 3/4 in. hole, wrench, straight-edge, and cone fitting 1 1/2 to 2 in. centre. Interchangeable saws, included with each machine, sizes of zones or bushings furnished at nominal cost. Height, 42 inches. Base, 11 inches square. Weight, complete including emery wheels, 150 lbs. Speed recommended for countershaft, 700 to 800 R. P. M.

When regrinding or sharpening any type of saw, Metal-Cutting Saws in particular, the greatest care should be exercised.

For this reason we originated, and are placing on the market, the **Disston PRECISE Sharpening Machine**, by the use of which the work is greatly facilitated, particularly as the teeth can be ground without being removed from the blade, and the method pursued insures that uniformity of bevel on cutting edges of teeth as well as perfect roundness so essential in saws.

This machine is adapted for saws from 4 to 26 inches in diameter and with the addition of a longer arm will take in saws up to forty inches. It is light, compact, well-built and durable. The use of a cup wheel gives a straight or flat finish on top of tooth instead of concaving as would be the case in grinding with the face of a circular wheel.

Built specially for the purpose, this machine will save its cost many times over. Send for descriptive booklet. Price, \$115.00.

# BAND SAWS



ALL DISSTON BAND SAWS and BAND RESAWS are made of Disston High-Grade Crucible Steel, hardened and tempered by Special Processes exclusively our own.

## PRICES FOR BAND SAWS SET, SHARPENED AND JOINED COMPLETE

		Decimal weight per foot	per foot			Decimal weight per foot	per foot
2 in. wide, 18 to 20 ga.		.28	\$1.00	8 in. wide, 14 to 16 ga.		1.76	\$3.80
2½ " " " "		.35	1.20	9 " " " "		2.20	4.30
3 " " " "		.42	1.40	10 " " " "		2.81	4.80
3½ " " " "		.50	1.60	11 " " " "		3.09	5.40
4 " " 17 to 19 "		.57	2.00	12 " " 13 to 15 "		3.37	6.00
4½ " " " "		.64	2.20	13 " " " "		3.65	7.20
5 " " " "		.83	2.40	14 " " " "		4.50	8.40
5½ " " " "		.89	2.70	15 " " 12 to 14 "		4.82	10.20
6 " " " "		1.06	3.00	16 " " " "		5.92	12.00
7 " " 16 to 18 "		1.37	3.40	17 " " " "		6.29	16.80
				18 " " " "		6.66	21.60

Saws of odd widths, not listed, take price of next wider size listed.

Saws of heavier gauge than listed, add 5% to list for each gauge heavier.

No extra charge for saws one or two gauges thinner than list; when more than two gauges thinner, add 5% to list for each gauge.

**DOUBLE-EDGE BAND SAWS:** List price per foot, all widths, advance 10% over list prices of single-edge saws as above.

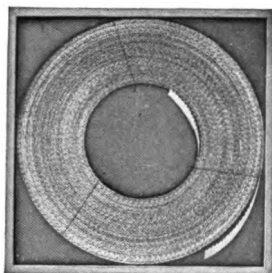
**TOOTHED BLANKS,** same price as finished saws.

**BAND SAW BLANKS,** Bright, of any width, furnished to order but not warranted.

### Instructions for Ordering

When ordering Band Saws, state whether Right or Left-hand, gauge or thickness, space, depth and shape of teeth, straight or crowning back. If the saws are to be crowning on back, we finish them ☆ in. crowning to each five feet in length, unless otherwise instructed.

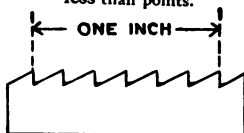
Silver Solder, for brazing Band Saws, carried in stock. In widths ½, ¾, 1 and 1 inch, put up in coils of one ounce. Price \$1.00 per ounce, net.



# NARROW BAND SAWS

Order all saws by Number of Points  
to the inch.

In one inch space there is **one tooth**  
less than points.



7 Points or 6 Teeth

Give full particulars when ordering

## PRICES FOR BAND SAWS SET AND FILED, NOT JOINED

			Standard points per inch	Weight (lbs.) per 100 ft.	Price per foot	Brazing
1/8 inch wide	22 or 23 gauge		8	1.05	\$0.13	\$0.50 each
1/8 " "	21 " 22 "		7	1.57	.13	.50 "
1/8 " "	21 " 22 "		6	2.35	.13	.50 "
1/8 " "	21 " 22 "		5 1/2	3.52	.14	.50 "
1/8 " "	21 " 22 "		5	5.36	.15	.50 "
1/8 " "	21 " 22 "		4 1/2	6.70	.16	.60 "
1/4 " "	20 " 21 "		4	8.05	.18	.60 "
1/4 " "	20 " 21 "		4	9.39	.20	.60 "
1/2 " "	20 " 21 "		3 1/2	11.75	.22	.70 "
1 1/8 " "	19 " 20 "		3 1/2	13.16	.24	.70 "
1 1/4 " "	19 " 20 "		3 1/2	14.71	.26	.70 "
1 3/8 " "	19 " 20 "		3	16.08	.28	.80 "
1 1/2 " "	19 " 20 "		3	17.63	.32	.80 "
1 3/4 " "	19 " 20 "		3	20.57	.38	.80 "

For saws of heavier gauge than listed, add 5% to list for each gauge heavier.

No extra charge for saws one or two gauges thinner than list; when more than two gauges thinner, add 5% to list for each gauge.

If not filed and set, deduct 4 cents per foot.

Narrow band saws with beveled backs, advance list 50% for first gauge, and 10% for each additional gauge.

## "MOHAWK"

### BAND SAW GUIDE

Invented by R. McChesney

The only absolutely non-friction guide.  
Prevents cracking and breaking of the  
saw; will not crystallize or disturb the  
temper of the blade. Descriptive circular  
on request.

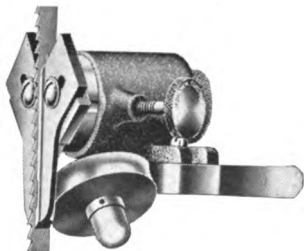
#### No. 1

Guide complete for saws up to 1-inch wide.

#### No. 2

Guide complete for saws up to 2-inch wide.

PRICES ON APPLICATION



# HENRY DISTON & SONS

## BAND SAWS FOR METAL

TEMPERED THROUGHOUT

FURNISHED IN SPECIAL LENGTHS OR COILS UP TO 500 FEET

				Net Prices for Joining
1	inch wide	21 or 22 gauge	\$0.19½ per foot	
	"	21 or 22	.21	\$0.15 each
	"	21 or 22	.22½	
	"	21 or 22	.25	
1	"	20 or 21	.28½	.20 "
	"	20 or 21	.31	
	"	20 or 21	.34½	
	"	20	.37	.25 "
1	"	19 or 20	.40½	
	"	19 or 20	.45	
	"	19 or 20	.49½	.35 "
	"	19	.54	

## FLEXIBLE-BACK BAND SAWS

Hardened on tooth-edge only, for cutting metal. Furnished in special lengths or coils from 50 feet to 500 feet.

	Stock Widths, Gauges and Points	Per Foot	Net Prices for Joining
1	inch wide x 23 gauge	16, 19, 22 or 26 points	\$0.08½
	" x 23 "	16, 19, 22 or 26 "	.10½
	" x 21 "	14, 16, 18 or 22 "	.11½
	" x 23 "	16, 19, 22 or 26 "	.15
1	" x 21 "	14, 16, 18 or 22 "	.13½
	" x 23 "	14, 16, 18 or 22 "	.15½
	" x 21 "	14, 16 or 18 "	.17
	" x 20 or 21 gauge	Made with suitable tooth for the material to be cut	.18½
1	" x 20 or 21 "		.20½
1	" x 20 "		.22
1	" x 19 or 20 "		.24
1	" x 19 or 20 "		.26½
1	" x 19 "		.29½

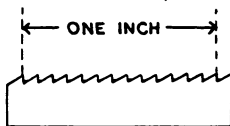
These Bandsaws are extensively used for sawing High-speed steel, tool steel, machinery steel, brass, bronze, copper, aluminum, mica, slate, fibre, zinc, tubing, pipe, sheet metals, spelter and any other material a file will cut.

The following tooth space is recommended for the various classes of work:

Brass or bronze	14 points	Steel or brass tubing	24, 26 points
Tool steel, round or square	12, 14 "	Cold-rolled steel and soft steel	12 "
Sheet steel	14, 16 "	Aluminum	6, 8, 10 "

When ordering Metal Cutting Bandsaws, specify length, width, thickness or gauge and NUMBER OF POINTS to the inch; also state the kind, shape and size of metal to be cut and the make of machine on which the saw is to be operated.

Note:—In one-inch space there is one tooth less than points.

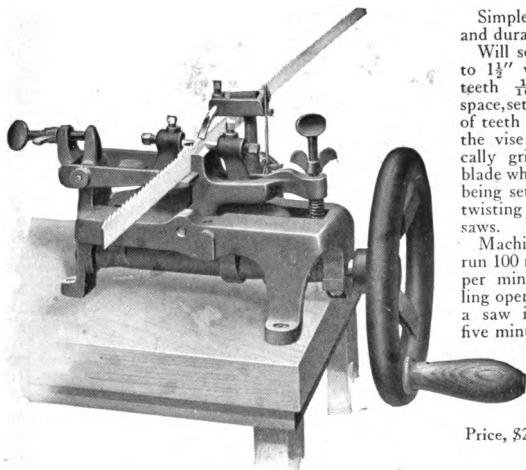


14 Points or 13 Teeth

The thinner the material the smaller the tooth should be for best results.  
The work should be firmly held on table so it will not wobble or jerk, which will save and lengthen the life of the saw.

These saws should not be run faster than 120 feet per minute when cutting hard metals.

## NARROW BAND SAW SETTING MACHINE



Simple, practical and durable.

Will set saws  $\frac{1}{8}$ " to  $1\frac{1}{2}$ " wide, with teeth  $\frac{1}{16}$ " to  $\frac{5}{8}$ " space, setting points of teeth uniformly; the vise automatically gripping the blade while tooth is being set, prevents twisting of narrow saws.

Machine should run 100 revolutions per minute, enabling operator to set a saw in four to five minutes

Price, \$28.00 each.

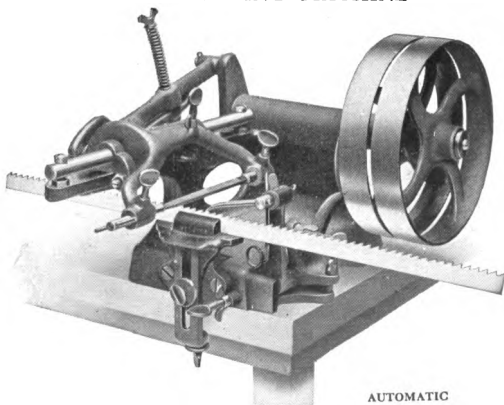
## NARROW BAND SAW FILING MACHINE

Simple, Efficient, Accurate.

Strongly made, easily adjusted, requiring no attention after being started.

Will take saws  $\frac{1}{8}$ " to  $1\frac{1}{2}$ " wide, with teeth  $\frac{1}{16}$ " to  $\frac{5}{8}$ " space and will file old saws with uneven teeth as perfectly as new ones; all teeth being filed to same height, saws will keep sharp longer, and each tooth doing its proportionate amount of work prevents breakage.

Uses 6" Taper Saw Files, and should run 50 to 60 revolutions per minute.



AUTOMATIC

Price, \$55.00 each.

# HENRY DISSTON & SONS

## MANDRELS FOR CIRCULAR SAWS

### YOKE



#### SELF-OILING BOXES

#### PULLEY IN CENTRE

No.	Diameter of Shaft	Hole in Saw	Length over all	Distance from Centre to Centre of Boxes	Diameter of Pulley	Face of Pulley	Diameter of Collar	Price Each
No. 201	1 $\frac{1}{8}$ "	1 "	15 $\frac{1}{2}$ "	8 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	\$14.20
" 202	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	17 $\frac{1}{2}$ "	9 $\frac{1}{8}$ "	3	4	3	16.40
" 203	1 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	19 $\frac{1}{2}$ "	11 $\frac{1}{2}$ "	3 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	19.60
" 204	1 $\frac{1}{8}$ "	1 $\frac{5}{8}$ "	21 $\frac{1}{2}$ "	12 $\frac{1}{2}$ "	4	5	4	23.50
" 205	1 $\frac{1}{8}$ "	1 $\frac{5}{8}$ "	24 $\frac{1}{2}$ "	14 $\frac{1}{8}$ "	4 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	25.75
" 206	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	26 $\frac{1}{2}$ "	16 $\frac{1}{2}$ "	5	6	5	27.75
" 207	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	28 $\frac{1}{2}$ "	18 $\frac{1}{8}$ "	5 $\frac{1}{2}$	6 $\frac{1}{2}$	5 $\frac{1}{2}$	29.75
" 208	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	30 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	6	7	6	37.40
" 209	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	33	22	7	8	6	51.00
" 210	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	35	23 $\frac{1}{2}$ "	8	8	6	55.00

### CONNECTED BOX



#### SELF-OILING BOXES

No.	Diameter of Shaft	Hole in Saw	Length over all	Distance from Centre to Centre of Boxes	Diameter of Pulley	Face of Pulley	Diameter of Collar	Price Each
No. 301	1 $\frac{1}{8}$ "	1 "	19 "	8 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	\$14.20
" 302	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	21 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	3	4	3	15.85
" 303	1 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	23 $\frac{1}{2}$ "	11 $\frac{1}{2}$ "	3 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	19.25
" 304	1 $\frac{1}{8}$ "	1 $\frac{5}{8}$ "	26 $\frac{1}{2}$ "	12 $\frac{1}{2}$ "	4	5	4	23.25
" 305	1 $\frac{1}{8}$ "	1 $\frac{5}{8}$ "	29 $\frac{1}{2}$ "	14 $\frac{1}{2}$ "	4 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	25.75
" 306	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	32 $\frac{1}{2}$ "	16 $\frac{1}{2}$ "	5	6	5	27.75
" 307	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	35	18 $\frac{1}{2}$ "	5 $\frac{1}{2}$	6 $\frac{1}{2}$	5 $\frac{1}{2}$	29.75
" 308	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	37 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	6	7	6	37.00
" 309	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	41	22	7	8	6	50.50
" 310	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	42 $\frac{1}{2}$ "	23 $\frac{1}{2}$ "	8	8	6	54.50

The above mandrel is made with pulley on right-hand side, with left-hand thread, unless otherwise ordered

In order to obtain the best results and the maximum output from Circular Mill Saws, a good mandrel is an absolute necessity.

The Disston Mandrels are superior in quality and workmanship. In service they will last longer and give better satisfaction than any other make on the market.

The Shafts of Steel accurately turned, possess in the various sizes a good safe margin of strength to prevent springing or undue vibration under the heaviest feed or pressure that may be put on the saw they are designed to carry. All Collars or Flanges are of sufficient diameter to give proper support to the saw, accurately machined and recessed, giving a perfect bearing on the blade. The Pulleys are turned up after being placed on shaft. The Boxes, extra long and heavy, are of grey iron, well fitted and babbitted, insuring true balance and smooth running.



# MANDRELS FOR CIRCULAR SAWS

## PULLEY IN CENTRE

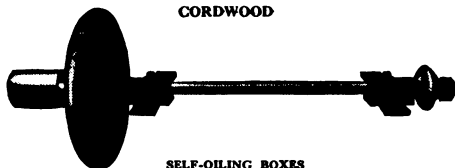


### SELF-OILING BOXES

Made with pulley on right-hand side of saw, per cut, with left-hand thread, unless otherwise ordered

No.	Diameter of Shaft	Hole in Saw	Length over all	Distance from Centre to Centre of Boxes	Diameter of Pulley	Face of Pulley	Diameter of Collar	Price Each
No. 00	1 1/8"	3"	14 1/2"	7 1/2"	2"	3"	2"	\$11.60
" 0	1 1/8"	3 7/8"	14 1/2"	7 1/2"	2	3	2	12.20
" 1	1 1/8"	1	15 1/2"	8 1/4"	2 1/2	3 1/2	2 1/2	13.00
" 2	1 1/8"	1 1/4"	17 1/2"	9 3/4"	3	4	3	15.30
" 3	1 1/8"	1 1/2"	19 1/2"	11 1/2"	3 1/2	4 1/2	3 1/2	18.10
" 4	1 1/8"	1 5/8"	21 1/2"	12 3/4"	4	5	4	22.40
" 5	1 1/8"	1 3/4"	24 1/2"	14 3/4"	4 1/2	5 1/2	4 1/2	24.40
" 6	1 1/8"	1 7/8"	26 1/2"	16 3/4"	5	6	5	26.40
" 7	1 1/8"	1 3/4"	28 1/2"	18 3/4"	5 1/2	6 1/2	5 1/2	28.40
" 8	1 1/8"	1 3/4"	30 1/2"	20 1/2"	6	7	6	35.20
" 9	1 1/8"	1 3/4"	33	22	7	8	6	47.60
" 10	1 1/8"	1 3/4"	35	23 1/2"	8	8	6	51.00

### CORDWOOD



### SELF-OILING BOXES

No.	Diameter of Shaft	Hole in Saw	Length over all	Distance from Centre to Centre of Boxes	Diameter of Pulley	Face of Pulley	Diameter of Collar	Price Each
No. 400	80-lb. Balance Wheel	1 7/8"	13"	48"	27"	5"	6"	\$59.00
" 401	110 "	1 3/8"	1 1/2"	60	37	6	7	76.00

Made with pulley on left-hand end, with right-hand thread, unless otherwise ordered

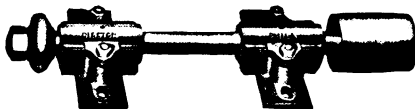
All our Mandrels have self-oiling boxes and require no additional attention in this respect for a long time after filling of oil reservoir, the oil being carried to bearings by a ring revolving on shaft.

### SPECIAL SIZES MADE TO ORDER

When ordering special Saw Mandrels send sketch giving distance from centre to centre of boxes, also position of pulley. State whether the pulley is wanted on the right- or left-hand side of Mandrel when saw is running toward you.

## MANDRELS FOR CIRCULAR SAWS

WITH PULLEY ON END



SELF-OILING BOXES

No.	Diameter of Shaft	Hole in Saw	Length over all	Distance from Centre to Centre of Boxes	Diameter of Pulley	Face of Pulley	Diameter of Collar	Price Each
No. 000	$\frac{1\frac{1}{8}}{1\frac{1}{8}}$ "	$\frac{3}{4}$ "	17"	$7\frac{1}{2}$ "	2"	3"	2"	\$11.60
" 100	$\frac{1\frac{1}{8}}{1\frac{1}{8}}$	$\frac{3}{8}$	17	$7\frac{1}{2}$	2	3	2	12.20
" 101	$1\frac{1}{8}$	1	19	$8\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$	13.60
" 102	$1\frac{3}{8}$	$1\frac{1}{4}$	$21\frac{1}{2}$	$9\frac{3}{4}$	3	4	3	15.60
" 103	$1\frac{3}{8}$	$1\frac{1}{4}$	$23\frac{3}{4}$	$11\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$3\frac{1}{2}$	18.40
" 104	$1\frac{7}{8}$	$1\frac{5}{8}$	$26\frac{3}{4}$	$12\frac{3}{4}$	4	5	4	23.00
" 105	$1\frac{7}{8}$	$1\frac{5}{8}$	$29\frac{3}{4}$	$14\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{1}{2}$	24.90
" 106	$1\frac{7}{8}$	$1\frac{3}{4}$	$32\frac{1}{4}$	$16\frac{1}{2}$	5	6	5	26.90
" 107	$1\frac{7}{8}$	$1\frac{3}{4}$	35	$18\frac{3}{4}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	28.90
" 108	$1\frac{9}{8}$	$1\frac{1}{2}$	$37\frac{1}{2}$	$20\frac{1}{2}$	6	7	6	35.75
" 109	$1\frac{11}{8}$	$1\frac{1}{2}$	41	22	7	8	6	48.75
" 110	$1\frac{11}{8}$	$1\frac{1}{2}$	$42\frac{3}{4}$	$23\frac{1}{2}$	8	8	6	52.75

Made with pulley on right-hand end with left-hand thread unless otherwise ordered.

SPECIAL SIZES MADE TO ORDER

## SPEED INDICATOR



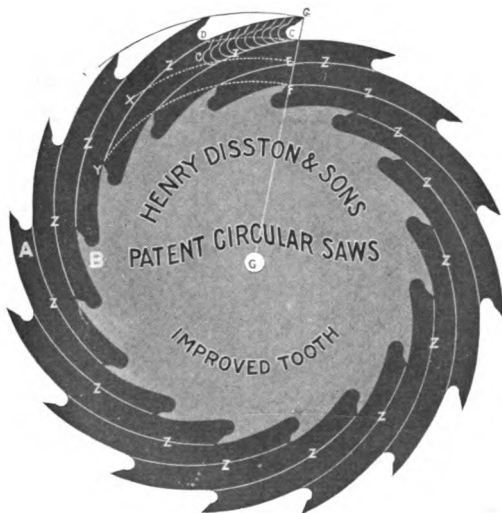
Weight, 5 ounces

Correct and reliable. Any speed can be accurately counted.

Price, complete..... \$2.00 each

# GULLET-TOOTH CIRCULAR SAW

A MOST VALUABLE AND USEFUL IMPROVEMENT

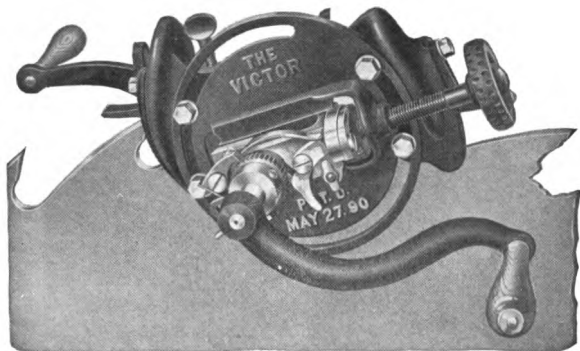


By reference to the above illustration it will be observed that the back or point line of each tooth is the continuation of the spiral lines Z, and the sharpening is mainly done by the reduction of the gullet or throat only. This is readily accomplished by the use of our patent gummers, illustrated on pages following.

The course pursued by the cutter is spiral, and while it is in the act of reducing the front or throat of the tooth D, it is prolonging the back or point-line of the tooth C. The illustration represents a two-inch tooth or gullet. The saw B is the saw A worn down. When the saw has been reduced on centre line from G to F, it has been worn but six inches, yet has presented a cutting surface on spiral line Z from G to Y, a distance of twenty-four inches. But this is only one of the advantages claimed for our patent gullet-tooth. The throat or gullet being chambered out on a half-circle forms a large receptacle or chamber for dust and thus a one-and-a-half-inch tooth of this pattern will keep a saw as free from choking as a two-inch tooth of the ordinary shape.

## VICTOR SELF-FEEDING SAW GUMMER

PRICE, complete with one cutter-shaft, cutter-grinder  
and three cutters, \$31.00 each



The Victor is made of the very best material, the lighter parts being of malleable iron and the shaft of steel, making it lighter, and at the same time stronger than other gummers. The Victor will gum all saws, from a small circular saw with a  $\frac{3}{8}$ -inch gullet, to the largest made, with  $1\frac{1}{2}$ -inch gullet; also all mill, mulay and cross-cut saws. Cut shows the Victor gummer in position for work on a sixty-inch circular saw.

Place the gummer on the saw with the feed-screw towards the front of the saw, with the carriage drawn well back, and the cutter resting on the back of the tooth next to the gullet to be gummed. The feed-screw should point in the direction you wish the cutter to cut. If such is the case, clamp the machine to the saw by tightening the two clamp-screws at the bottom of the clamps.

Set the notch of the brass gauge over the point of the tooth and secure it by means of the screw. Then to adjust the gummer, so it will take the same position on each tooth, set the screw or "L" gauge down on the teeth, using whichever best suits the kind of saw you are gumming. Throw the pawl into the ratchet-wheel on the cutter-shaft, which will prevent the cutter turning backwards while at work. The cutter is very liable to be broken if reversed while in the gullet.

Stand behind the saw, try the crank and if it does not turn freely, back the cutter until it does; then throw the feed-pawl into the circular rack on the feed-screw and gum until the gullet is chambered to the required depth.

Then set the stop that is under the cutter-shaft up to the rocking-lever to prevent the feed-pawl from turning the feed-screw. This will cause the feed to stop at this point and make all the gullets the same depth. The first tooth being now gummed, throw out the feed-pawl and screw back the cutter to the starting point. Loosen the clamp-screws and move the gummer to the next tooth, placing the brass gauge on the point as before; screw up the clamp-screws, throw in the feed-pawl, and gum until you reach the stop, which has been adjusted on the first tooth gummed.

If all the gauges and stops are properly adjusted on the first tooth, all the gullets will be of the same depth. If when you first put the gummer in position the feed-screw does not point in the direction you wish to gum, loosen four screws that hold the clamp to the circular plate and turn the plate until the feed-screw reaches the proper position. Then tighten the four screws and clamp the machine to the saw. The gummer can be set to gum at any angle from horizontal to perpendicular by simply turning the circular plate.

We make three sizes of cutter-shafts for this gummer. The No. 1, or large shaft is the same diameter as is used in our No. 1 gummer, and is suitable for 1,  $1\frac{1}{8}$ ,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  and  $1\frac{3}{4}$ -inch cutters.

The No. 2 or medium shaft is suitable for cutters  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$  and 1-inch.

The No. 3 or small shaft is made specially for  $\frac{3}{8}$ -inch cutters.

### WHEN ORDERING GUMMERS STATE SIZE OF CUTTERS WANTED

Extra shafts can be furnished with the gummers at \$3.40 each so that all above sizes may be used in one machine if so desired.

# **PATENT DOUBLE-GEARED, No. 1 SAW GUMMER**

**OR CHAMBERING MACHINE FOR CIRCULAR SAWS  
40 INCHES AND LARGER**

Including Cutter-Holder and three Cutters of any of the following sizes: 1, 1½, 1¾, 1⅞ and 1⅝ inches. When ordering, specify the size wanted.

One-inch Cutter is the smallest size that can be used on this Gummer.

Price, \$34.50 each



## **DIRECTIONS FOR USING THIS GUMMER**

Run the cutter back by means of screw *G* as far as necessary, then place machine on the saw, with the cutter close up in the chamber of the tooth to be gummied.

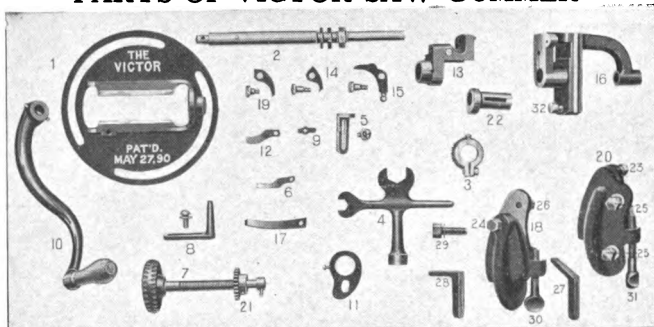
If the teeth are regular and the same distance apart, start the cutter in any chamber; but, if they are irregular, make them even by commencing in the smallest tooth. After gummied the saw a few times the teeth must become regular. *E* is a set-screw to regulate the depth of gullet. Fasten the machine to the saw by means of the screws *B B*, and proceed to gum the first tooth, one of the points of the star being struck at each revolution by a projection on the handle steadily feeding the cutter until arrested by set-screw *E*. Remove the machine to the next tooth towards you, after having run the cutter back and proceed as before until all of the teeth are gummied.

The cutter is so arranged as to slide on its axis and when one portion becomes dull, remove a washer from back to front, and thus present a new sharp-cutting surface; and so continue changing the washers until the whole face of the cutter becomes dull.

The ratchet by which the cutter is moved effectually prevents any back motion which hitherto has been a serious objection.

This gummer is a most invaluable machine, and should be in the hands of every mill-man. It saves power, files and time, and is so simple in its mode of operation that any man can readily be taught to use it.

## PARTS OF VICTOR SAW GUMMER

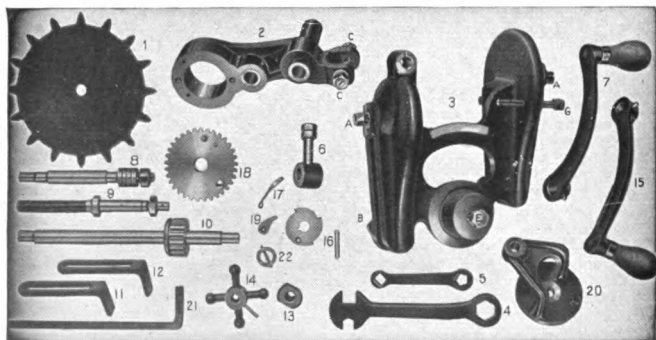


1, Plate; 2, Shaft; 3, No. 1 Ratchet; 4, Wrench; 5, Brass Gauge; 6, No. 2 Ratchet Spring; Feed Screw; 8, Stop Gauge; 9, Stop; 10, Crank; 11, Throw; 12, No. 1 Ratchet Spring; 13, Stand, 14, No. 1 Pawl; 15, Ball Lever; 16, Carriage; 17, Ball Lever Spring; 18, Long Clamp; 19, No. 2 Pawl; 20, Short Clamp; 21, No. 2 Feed Ratchet; 22, Cam; 23, Short Clamp Clamp Screw; 24, Long Clamp Clamp Screw; 25, Short Clamp Adjusting Screw; 26, Long Clamp Adjusting Screw; 27, Short Clamp Gauge; 28, Long Clamp Gauge; 29, Long and short Clamp Gauge Screw; 30, Long Clamp Thumb Screw; 31, Short Clamp Thumb Screw; 32, Carriage Screw for Stand.

When ordering, specify the No. of part and name of Gummer

Prices Quoted on Application

## PARTS OF No. 1 SAW GUMMER



1, Star; 2, Arm; 3, Frame; 4, Large Wrench; 5, Small Wrench; 6, Swivel Bearing; 7, Left-hand Crank; 8, Cutter Shaft; 9, Feed Screw; 10, Crank Shaft; 11, Gauge; 12, Gauge; 13, Swivel Nut; 14, Cross Handle; 15, Right-hand Crank; 16, Ratchet; 17, Ratchet Spring; 18, Large Gear Wheel; 19, Pawl; 20, Out-bearing; 21, Wrought Iron Gauge; 22, Collar for Feed-screw.

When ordering, specify the No. of part and name of Gummer

Prices Quoted on Application

## CUTTER GRINDER

**FOR HOLDING 'THE GUMMER CUTTER IN POSITION  
DURING PROCESS OF SHARPENING**



The stone should have a perfectly straight face and turn from the operator. Lower the adjustable frame of Grinder until the cutter touches the stone, then adjust the spring in proper position.

Furnished with No. 1 Shaft for Cutters.....		1-inch to 1½-inch
" " " 2 " " "	" " and " "	
" " " 3 " " "	" " and " "	
Price .....		\$2.15 each

**Give full particulars when ordering:**



## GUMMER CUTTERS

Cutters for No. 1 Gummer have  $\frac{3}{16}$ -inch hole.

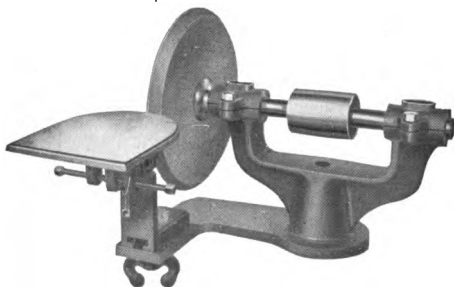
Cutters for No. 2 Gummer have  $\frac{5}{16}$ -inch hole.

The 1-inch to 1½-inch cutters are for the No. 1 Gummer, and the ½ to 1-inch for the No. 2 Gummer.

$\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$	$\frac{1}{8}$ and 1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch
50	70	1.15	1.20	1.30	1.40 each

**SPECIAL CUTTERS MADE TO ORDER**

## BORTHWICK'S STATIONARY SAW SHARPENING MACHINE OR EMERY WHEEL GUMMER



**Price, with Emery Wheel..... \$29.50 each**

## EMERY WHEELS

**OF SUPERIOR QUALITY, FOR GUMMING AND SHARPENING SAWS**

The stock size is 12 inches diameter,  $\frac{3}{4}$ -inch thick, 1-inch hole, bevel edge.

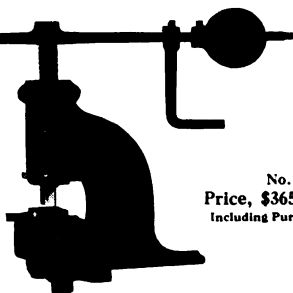
**Prices quoted on application. Special sizes made to order**

## HAND-SCREW PRESS

No. 1  
Price, \$430.00 each  
Including Punch and Die



Band Saw Attachment, \$40.00



No. 2  
Price, \$365.00 each  
Including Punch and Die

This Press is made in two sizes or weights, and of a style rendering it strong and durable for punching, slotting, toothing or shearing purposes.

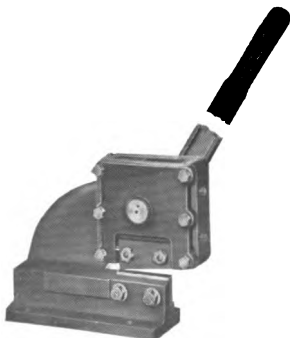
No. 1 Press weighs 460 lbs., and is adapted for gumming saws or punching steel up to 5 gauge ( $\frac{3}{16}$  inch) in thickness.

No. 2 Press weighs 250 lbs., and will gum saws up to 8 gauge ( $\frac{5}{32}$  inch) in thickness.

Extra punches and dies or shear blades furnished on order at special price.

This is a very desirable and powerful machine, and we recommend it for re-toothed band, gang and other saws, as well as for general purposes. When ordering state the purpose for which the press is intended.

## HAND SHEAR



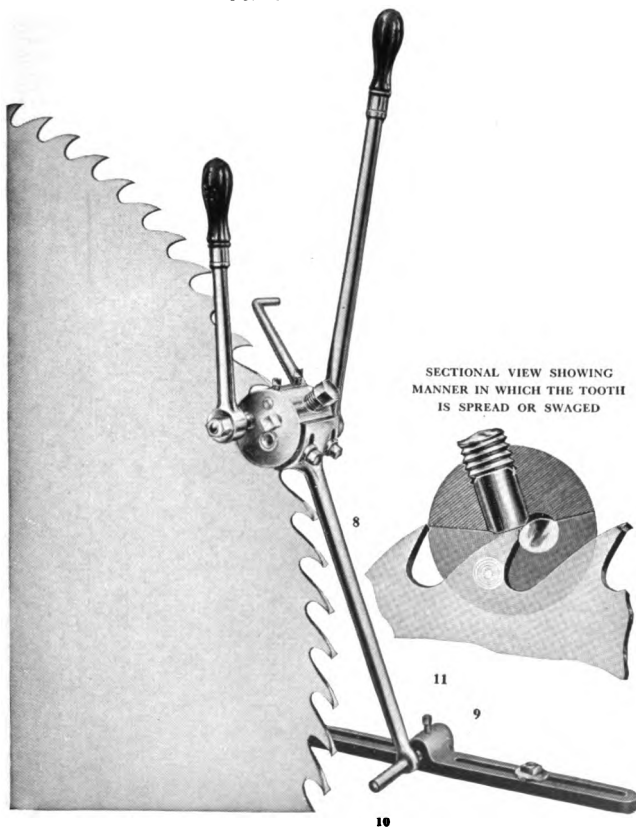
This Hand Shear will be found a very useful and convenient tool for trimming the ends of broken band saws for joining, shearing to width and other jobbing work. It will cut steel as heavy as 13 gauge. The Shear blades are slotted so they can readily be adjusted to take up any wear, and being bolted in position are easily removed for grinding when they become dull.

Price, complete. . . . . \$90.00



# ECCENTRIC SWAGE

FOR CIRCULAR SAWS

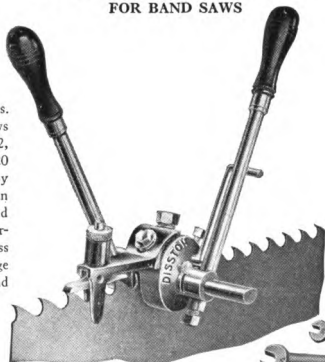


SECTIONAL VIEW SHOWING  
MANNER IN WHICH THE TOOTH  
IS SPREAD OR SWAGED

No. 0, Eccentric Swage, adapted for circular saws from 6 to 12 gauge in thickness  
 8—Bracket      9—Bench-rest      10—Bench-rest Stud      11—Bench-rest Set Screw  
 For other parts, see page 70      When ordering send sketch of teeth  
 Price quoted on application

# ECCENTRIC SWAGE FOR BAND SAWS

Made in three sizes. No. 1, adapted for saws 12 to 16 gauge; No. 2, 16 to 19 gauge; No. 3, 20 gauge and lighter. By use of extra brackets can be used for cylinder and circular saws. When ordering, state thickness of saws on which Swage is to be used and send sketch of teeth.



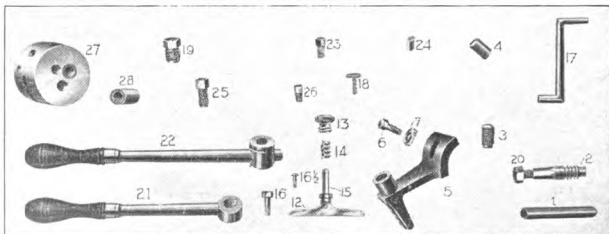
Price  
Quoted  
on  
Application

When Disston Eccentric Swage is ordered, in the absence of other instructions, the No. 1 will be adjusted for our standard pattern of L tooth,  $1\frac{3}{4}$  inch spacing,

L  $1\frac{3}{4}$ "



## PARTS OF ECCENTRIC SWAGE FOR BAND SAWS



- |                      |                          |   |                                       |
|----------------------|--------------------------|---|---------------------------------------|
| 1. Die               | 10. Bench Rest Stud      | 17. Lever Rest                          | 25. Anvil Set Screw                   |
| 2. Long Clamp Screw  | 11. Bench Rest Set Screw | 18. Lever Guide Screw                   | 26. Short Clamp Screw Set Screw       |
| 3. Short Clamp Screw | 12. Tooth Rest           | 19. Anvil Top Screw                     | 27. Block                             |
| 4. Anvil             | 13. Tension Spring       | 20. Clamp Screw Nut                     | 28. Bushing                           |
| 5. Band Bracket      | 14. Tension Stud         | 21. Clamp Screw Lever                   | 29. Wrench for Screws Nos. 6, 19, 20  |
| 6. Bracket Screw     | 15. Hex-head Cap Screw   | 22. Die Lever                           | 30. Wrench for Screws Nos. 23, 25, 26 |
| 7. Bracket Washer    | 16. Button-head Screw    | 23. Lever Rest Screw                    |                                       |
| 8. Bracket           |                          | 24. Packing Piece for Short Clamp Screw |                                       |
| 9. Bench Rest        |                          |   |                                       |

When ordering, specify the number of part, and state whether for No. 0, 1, 2 or 3 Eccentric Swage.

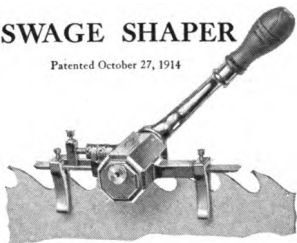
Prices Quoted on Application

## SWAGE SHAPER

Patented October 27, 1914

FOR BAND AND  
GANG SAWS

Price  
quoted on appli-  
cation



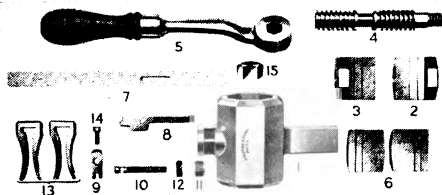
When ordering, state  
thickness of saw and  
space of teeth on  
which Shaper is to  
be used.

This Swage Shaper is the best tool of its kind on the market. Combining solidity with simplicity, very few parts to get out of order. No wrench is necessary, the shaper can be taken apart by the loosening of three thumb-screws. The dies fit snugly in the body, and will not twist or come out of line.

All wearing parts are made of best tool steel, accurately machined and milled to a perfect fit.

This Swage Shaper is designed for the purpose of making all the teeth of a uniform width and at the same time give them the "back" and "under-cut" necessary for proper clearance and smooth sawing. It can readily be adjusted to rapidly shape teeth on saws of any thickness.

## PARTS OF SWAGE SHAPER



1. Body
2. Right-hand Jaw
3. Left-hand Jaw
4. Operating Screws
5. Lever
6. Dies
7. Tooth-rest Bar
8. Tooth-stop
9. Tooth-stop Holder
10. Adjusting-screw
11. Adjusting-screw Nut
12. Adjusting-screw Jam Nut
13. Guide
14. Nut for 9 and 13
15. Nut for Lever

When ordering, specify the No. of part for Swage Shaper  
Prices quoted on application

## HOLDER FOR GRINDING SWAGE SHAPER DIES

With this adjustable holder a die is ground quickly and uniformly, without use of gauge.

Positions 1 and 2 are for grinding the angles which must be of equal length on each pair of dies. Position 3 is for shortening the die and squaring the face. It is necessary to grind the face only when dies are of unequal length or when the bevel becomes too long.

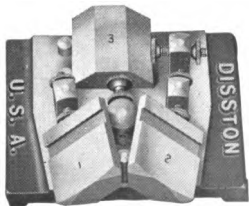
Can be used on the table of any grinding machine, the only requirement being a stop-plate for the holder to rest against.

Furnished free with each swage shaper.

## TABLE FOR GRINDER



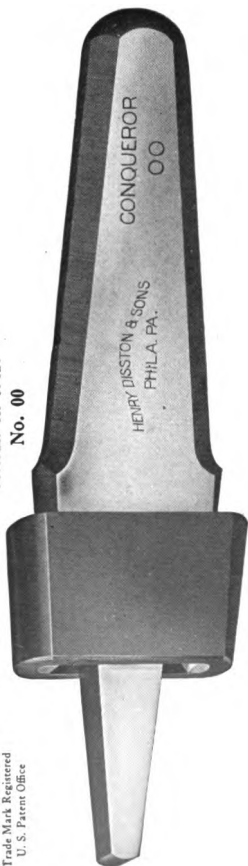
Stop plate for holder to rest against is screwed to wheel side of grinding table, as shown in Fig. 4.



# "CONQUEROR" SWAGE

JUMPER OR UPSET

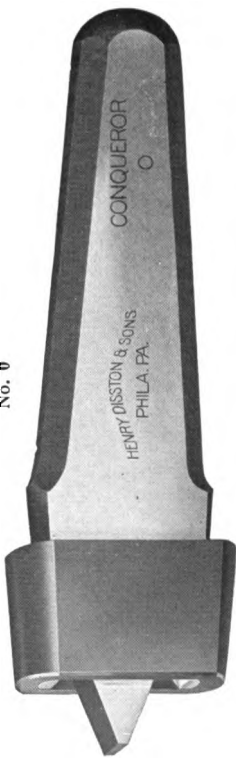
Trade Mark Registered  
U. S. Patent Office



No. 00

Price ..... \$7.00 each  
Special attention is called to the Conqueror Swages, Nos. 0 and 00, with projecting tongues. The tongue resting on face of tooth, acts as a guide to obtain the proper angle for swaging. The Conqueror has given entire satisfaction and is indispensable to any sawyer who uses the spread set. Every swage sold by us is warranted perfect. The swages themselves shall be their own recommendation.

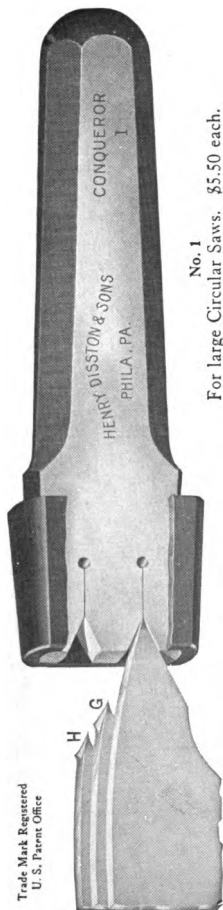
No. 0



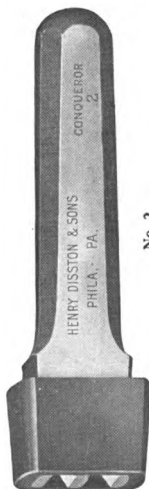
Price ..... \$6.00 each  
Packed one in wooden box

# "CONQUEROR" SWAGE, JUMPER OR UPSET

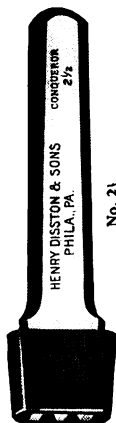
Trade Mark Registered  
U. S. Patent Office



No. 1  
For large Circular Saws. \$5.50 each.



No. 2  
For small Circular and Mill Saws, not heavier than 10 gauge.  
\$4.50 each.



No. 2 1/2  
This is of an intermediate size, between the Nos. 2 and 3, and is specially adapted for Circular, Gang and Band Saws not heavier than 13 gauge, with moderately small spaced teeth. \$4.00 each.

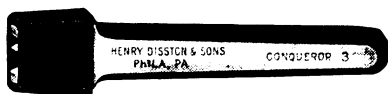
The upper opening in the swage being rounded on the bottom, takes its bearing on the centre of the tooth, spreading and shaping it as shown on section of tooth *H*. The lower opening (in which tooth is shown in illustration) is used for squaring up and leaves the tooth as shown at *G*.  
The bottom of the openings in the Conqueror being slotted, it is impossible to blunt or injure the fine cutting edge of the tooth, which is frequently the result with solid swages. One of the principal drawbacks in the manufacture of solid swages is the difficulty experienced in properly hardening them at the bottom of the opening, which portion of the swage does all the work, and requires to be hardened in the most perfect manner.  
The Conqueror is hardened before the sleeve is driven on, and the hardening composition passes freely through the slots at the bottom of the openings, thus insuring an even and correct hardening in that portion of the swage where it is most required.

Packed one in wooden box

## "CONQUEROR" SWAGE

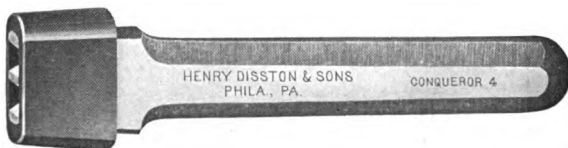
JUMPER OR UPSET

Trade Mark  
Registered  
U. S. Patent Office



No. 3

For small Circular and narrow Band Saws not heavier than 15 gauge, \$3.50 each



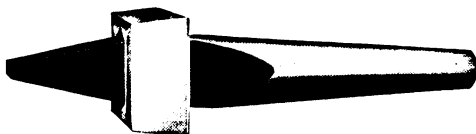
No. 4

For Band Saws, \$4.50 each

Packed one in wooden box

## No. 100 CHAMPION SAW SETTING TOOL

FOR CROSS-CUT SAWS

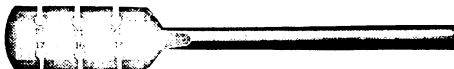


\$16.00 per dozen

Packed one in pasteboard box

## SPRING SAW-SET, No. 2

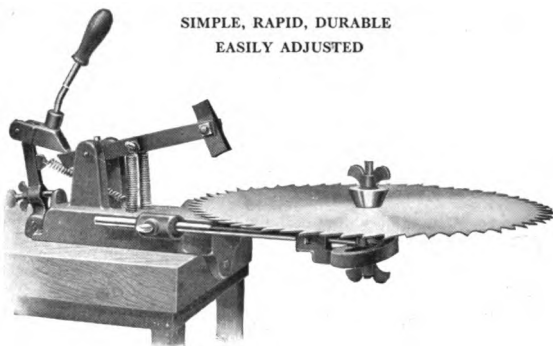
FOR BAND, SHINGLE OR VENEER SAWS



No. 2.	Iron Handle.	Length over all 8 inches (slots 12 to 17 ga.)	.....	\$2.60 each
" 1.	Wood Handle.	" " " 7 " " 12 " 17 "	.....	2.60 "
" 3.	" " " " " 15 " " 5 " 12 "	.....		6.25 "

## MACHINE FOR SETTING CIRCULAR SAWS

SIMPLE, RAPID, DURABLE  
EASILY ADJUSTED



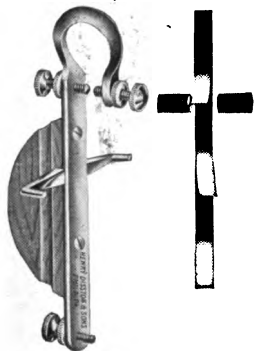
Aside from character of steel, temper and workmanship, the successful operation of circular saws depends largely upon the manner in which saws are fitted. To obtain best results the teeth should be properly and evenly set. This Machine does the work perfectly, insuring easy running and smooth cutting.

Adjustable for saws from 5" to 24" diameter.

Force of blow of hammer can be adjusted to any thickness of saw.

The set of each tooth must necessarily be uniform, as hammer strikes every blow with equal force at the same angle; is adjustable to give heavy, medium or light set, and will do more and better work than any other machine of its kind.

Price..... \$35.00 each



## SET GAUGE

For regulating the amount of set  
for Shingle, Heading, Veneer and  
Jointer Saws.

Price ..... \$1.90 each

# SWAGE BAR

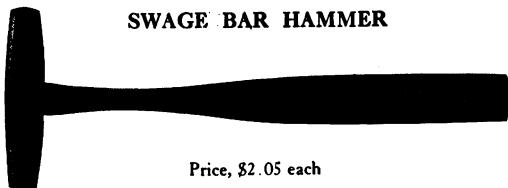


## SWAGE BARS, 8 or 6-sided

Number	Length	Diam., Large End	Diam., Small End	
1	14 inches	2 inches	1 inch	\$11.25 each
2	12 "	1 3/4 "	3/4 "	7.80 "
3	10 "	1 1/2 "	1/2 "	5.80 "

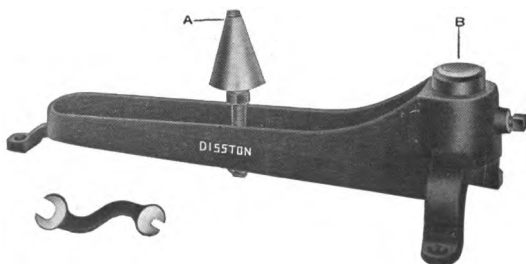
Any size or pattern of Swage Bar furnished at special price

# SWAGE BAR HAMMER



Price, \$2.05 each

## IMPROVED ADJUSTABLE SETTING STAKE FOR CIRCULAR SAWS



Price, small size	\$10.50 each
" large "	12.25 "

This valuable tool made in two sizes, small size adjustable to set any saw from six to thirty inches in diameter, large size to fifty-six inches. The cone *A* is moved in or out to suit the diameter of the saw, and raised or lowered, as may be required. The movable anvil *B* is made of hardened steel, and some portions of the face being beveled more than others, the operator can regulate the amount of set as desired.



## IMPROVED SIDE FILE

MADE IN THREE SIZES

- No. 1. Large size, suitable for saws 40 inches diameter and larger.  
 No. 2. Med. " " " 38 to 24 inches diameter.  
 No. 3. Small " " " 24 inches diameter and smaller.



This side file is used for the purpose of regulating saw teeth after they have been set.

It is impossible to set a saw so that some teeth will not extend or project a little more than others, and thus cause rough lumber.

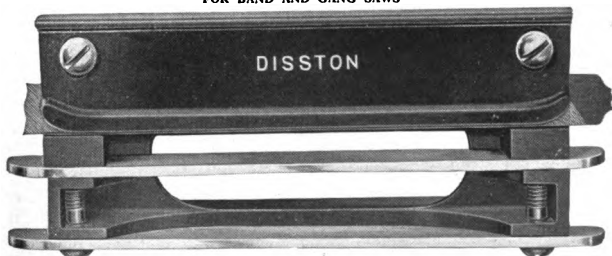
By the use of this tool the set of all the teeth is made of a uniform width, and a saw thus regulated will run twice as long without sharpening. The file may be so adjusted by means of the set-screw, as to conform to any width of set desired. The jam-nuts secure the set-screws in the desired position.

File for Side File.....\$0.50 each  
 Frame.....1.30 "

Complete (all sizes)...\$1.80

## SIDE FILE

FOR BAND AND GANG SAWS



The body of this tool is made of malleable iron, case-hardened tooth rest, steel slides, screw adjustment to set file to give undercut to teeth.

The use of this tool makes all teeth of a perfectly uniform width of set, thus insuring smooth lumber.

Price.....\$5.20 each

## TOOLS FOR REPAIRING SAWS

SAW MAKERS' STRAIGHT-EDGES



Five feet in length and under, \$2.00 per foot list.

Over five feet, price on application

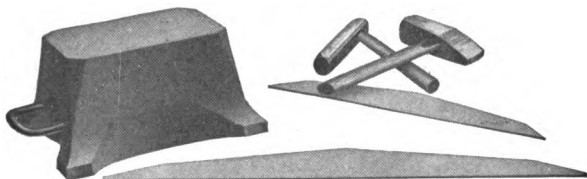
Special sizes to order, special prices

TENSION  
GAUGES



MADE  
TO ORDER

## TOOLS FOR HAMMERING SAWS



SAW MAKERS' HAMMERS

Price, \$2 00 per lb (No hammer at less than 2½ lbs.)

SAW MAKERS' ANVILS—DISSTON PATTERN

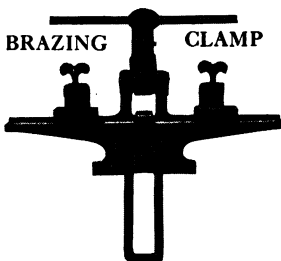
Face	Height	Weight	
5½ x 8 inches	6 inches	70 pounds	
5½ x 8 "	7½ "	100 "	
6 x 10 "	8½ "	150 "	

Prices  
quoted on  
application

Special sizes made to order

Back Gauge, 5 ft. x 2½ ins. x ¼ in. thick

Other sizes, special prices

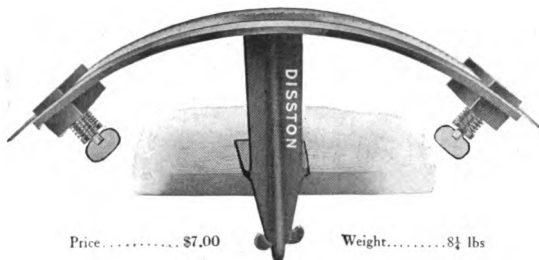


Brazing Clamps, for  
brazing saws up to  
3 inches wide

\$42.00 each

**TOOLS FOR BRAZING NARROW BAND SAWS**

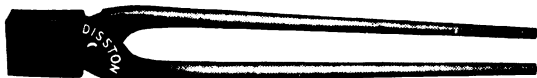
**BRAZE FINISHING CLAMP**



Price.....\$7.00

Weight.....8½ lbs

**BRAZING TONGS**

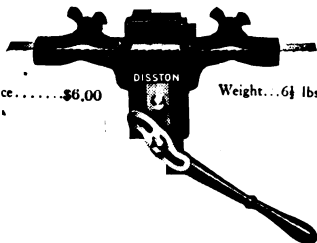


Price, with 1-inch jaws.....\$1.75

Weight.....2½ lbs.

**BRAZING CLAMP**

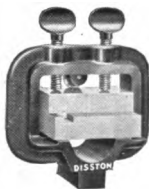
Suitable for Saws 1 inch wide and under



Price.....\$6.00

Weight...6½ lbs.

**LAP FILING VISE**



Weight.....3½ lbs.

Price.....\$3.50

**BRAZING TORCH**

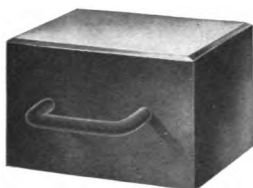


Weight.....3 lbs.

Price.....\$14.00

## BAND-SAW ANVILS

DISSTON PATTERN



**BAND-SAW ANVILS, CAST STEEL, HARDENED AND POLISHED FACES**

		Approximate Weight		
6 x 8 x 5 inches	.....	70 pounds	.....	} Prices on application
6 x 10 x 5 "	.....	85 "	.....	
8 x 8 x 5 "	.....	95 "	.....	
8 x 10 x 5 "	.....	115 "	.....	
10 x 12 x 5 "	.....	160 "	.....	
10 x 14 x 5 "	.....	185 "	.....	
12 x 16 x 5 "	.....	260 "	.....	

**BAND-SAW LEVELLING BLOCKS, PLANED BOTH SIDES**

		Approximate Weight		
3 x 6 x 36 inches	.....	170 pounds	.....	} Prices on application
3 x 8 x 36 "	.....	225 "	.....	
4 x 10 x 48 "	.....	500 "	.....	
3½ x 12 x 60 "	.....	655 "	.....	
4 x 14 x 60 "	.....	875 "	.....	

Special Sizes Made to Order

## BULLY BOY SAW-SET



Price.....\$6 00 each

This is a first-rate saw-set, and can be relied on to give satisfaction

## SAMSON SAW-SET

THE MOST USEFUL, POWERFUL AND DESIRABLE MADE



No. 1. Large size, wooden handle.....\$6.00 each

No. 2. Small size, iron handle.....3.00 "

Made of the best refined cast-steel, in two sections, and united in the centre by a bolt, which serves as an axis; thus it can readily be adjusted by means of the set-screw to suit thickness or gauge of any saw.

# MACHINE KNIVES



PLANER KNIFE



SPOKE KNIFE



SPOKE KNIFE



MATCHER  
BITS



GROOVING  
KNIFE



MOULDING KNIVES



MOULDING  
BLANK



STRAIGHT  
KNIFE



COPE  
CUTTER



BARKER KNIFE



BEADING BIT



LISTING OR STAVE JOINTING KNIFE



CHIPPER KNIFE



HOG KNIFE





STAVE KNIFE



PAPER KNIFE

We desire to call particular attention to the Disston Machine Knives, of which we manufacture a full and complete line. We solicit an opportunity to quote on your next specifications.



## MULAY SAW

	4 gauge	5 gauge	6 gauge	7 gauge	8 gauge	9 gauge	10 gauge	
MULAY SAWS	\$11.20	10.60	9.60	8.80	8.20	7.60	7.00	per foot
MILL SAWS	9.60	9.00	8.20	7.60	7.00	6.40	5.80	"
DIAMOND OR	8.40	7.80	7.00	6.40	6.00	5.40	4.80	"
LANCE TOOTH	7.60	7.00	6.40	5.80	5.40	4.80	4.40	"
DRAG SAWS AND	7.00	6.40	5.80	5.20	4.80	4.40	4.00	"
DRAG SAWS OF	6.40	6.00	5.40	4.80	4.40	4.00	3.60	"
EQUAL WIDTH	6.00	5.60	5.00	4.40	4.00	3.60	3.40	"

All saws fitted, ready for use.  
 List prices are for saws with Plain, Mill, Champion or Lance teeth. Saws with special patterns of teeth, special prices.  
 Drag Saws taper ground, add 5% to list for each gauge taper grinding.

## MILL SAW

When ordering give length, width and thickness or gauge of Saw, also space from point to point of teeth, number of teeth, and distance from lower end of saw to point of first tooth. If Saws are to be drilled, send templet showing size and position of holes.  
 Ends will be made per above illustrations unless otherwise ordered.

# GANG SAW



Width Inches	11 gauge	12 gauge	13 gauge	14 gauge	15 gauge	16 gauge	per foot
10	3 40	3 20	3 05	2 90	2 75	2 75	"
9	3 15	2 95	2 80	2 65	2 55	2 55	"
8	2 90	2 75	2 55	2 45	2 35	2 35	"
7	...	...	2 35	2 25	2 15	2 15	"
6	..	...	2 15	2 05	2 00	1 95	"
5	..	...	2 00	1 95	1 85	1 80	"
4	..	...	1 90	1 85	1 75	1 70	"

All Gang Saws will be made with parallel ends unless otherwise specified

Gang Saws with reversed teeth add 10% to list prices.

Tabbing with solid bent tabs or two plate tab, 4 hole \$1.00, 5 hole \$1.25, 6 hole \$1.50 per saw

Tabbing with solid round tabs \$1.25 per saw.

Punching Gang Saws for tabs, two cents per hole, net.

Above prices are for saws fitted, ready for use.

For heavier saws than listed above, see Mill, Mulay and Drag Saw lists.

When ordering Gang Saws give length, width, thickness by gauge, shape and space of teeth, number of teeth desired in saw and distance from lower end of saw to point of first tooth. When Saws are to be tabbed, EXACT DISTANCE between tabs MUST be given. Ordering blanks may be had on application.

# DEAL SAW



5 inches wide, 14 gauge...	...	\$1.95	15 gauge	...	\$1.85	16 gauge	...	\$1.80 per foot
6 " " 14 " "	...	2.05	15 " "	...	2.00	16 " "	...	1.95 " "

# DIAMOND OR LANCE TOOTH DRAG SAW



EQUAL WIDTH FULL LENGTH OF SAW

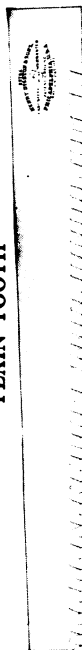
## TAPERED BUTTING OR DRAG SAWS

POWER OR MOTOR DRIVEN

The popularity of our regular and special patterns of Drag Saws and the steadily increasing demand for this type of saw, in connection with the growing use of the Motor-driven Drag Sawing Machine by both the logger and the man who owns the farm wood-lot, led us to publish a booklet on the care of Drag Saws and Tools for the purpose of assisting the user to keep his saws and tools in the best possible condition to obtain the maximum results. Mailed free on request.

For prices, see Page 82.

## PLAIN TOOTH



Width	Thickness		
	10 gauge	11 gauge	12 gauge
Tapered 8 in. butt, 6 in. point.....	\$2.40	2.20	2.00 per foot
" 7 " " 5 " " .....	2.20	2.00	1.80 " "
" 6 " " 4 " " .....	2.00	1.80	1.60 " "

All saws fitted, ready for use.

Made with either Mill Tooth, Champion Tooth, Single Hook Raker two-cutter, Single Hook Raker four-cutter, International, Nevada two-cutter, and Nevada four-cutter. Send for special booklet.

Tapered Drag Saws wider or thicker than above take the list price of Mill, Mulay and Drag Saws, using the average width as basis.

When ordering, give length, width, thickness or gauge, style of teeth and templet of holes.

Drag Saws, taper ground, add 5% to the list for each gauge taper grinding.



# TILLER AND BOX FOR PIT SAWS COMPLETE



Box for Pit Saws  
\$1.60 each



Tiller. ....\$2.00 each

## PIT SAW WARRANTED EXTRA TEMPERED



Length, 5 ft. 10x3½ in. 5½ ft. 10½x3½ in. 6 ft. 10½x3½ in. 6½ ft. 10½x3½ in. 7 ft. 11x3½ in. 7½ ft. 11½x3½ in. 8 ft. 11½x3½ in.  
Price, \$8.00 8.80 9.60 10.40 11.20 12.00 12.80 each

## WHIP SAW



Length, 5 ft. 4 x 1½ in. 5½ ft. 4½ x 1½ in. 6 ft. 4½ x 1½ in. 6½ ft. 4½ x 2 in. 7 ft. 5 x 2 in. 7½ ft. 5½ x 2 in.  
Price, \$4.80 5.40 6.40 6.80 7.20 each

Above saws set and filed.

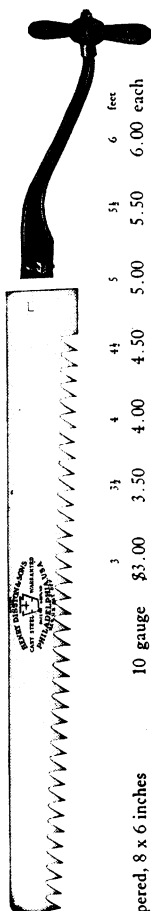
## FUTTOCK SAW



Futtock Saws, assorted, from 1½ to 3½ inches wide, \$1.80 per foot '  
" " 4 " " 2.00 "  
" " 4½ " " 2.20 "

# POND ICE SAW

(WITHOUT TILLER)



	3	3½	4	4½	5	5½	6	feet
Tapered, 8 x 6 inches	10 gauge	\$3.00	3.50	4.00	4.50	5.00	5.50	6.00 each
" 8 x 6 "	11 "	2.80	3.25	3.80	4.25	4.70	5.15	5.70 "
" 7 x 5 "	10 "	2.70	3.15	3.60	4.05	4.50	4.95	5.40 "
" 7 x 5 "	11 "	2.55	2.95	3.40	3.85	4.25	4.70	5.10 "
Tillers, complete, as shown above.....								\$1.10 each

# HAND ICE SAW, No. 80

(HOLLOW BACK)



	24	26	28	30	inches
	\$10.50	11.50	12.50	13.50	per dozen

# HAND ICE SAWS

No. 70

BEECH HANDLE, POLISHED EDGE



24	26	28	30 inches
\$16.00	17.00	18.00	19.00 per dozen

No. 71. Hand Ice Saw, plain tooth, same price as above.

No. 73

MALLEABLE IRON HANDLE



24	26	28	30 inches
\$19.00	20.00	21.00	22.00 per dozen

No. 72. Hand Ice Saw, malleable iron handle, No. 70 tooth, same price as No. 73 Saw.

No. 74

PLAIN BEECH HANDLE



24	26	28	30 inches
\$11.90	12.50	13.40	14.40 per dozen

No. 75. Hand Ice Saw, same as above saw, with malleable iron handle, at following prices :

24	26	28	30 inches
\$13.90	14.50	15.40	16.40 per dozen

Packed one-sixth dozen in box

# HENRY DISSTON & SONS

IN PRESENTING THE DISSTON LINE OF

## CROSS-CUT SAWS

WE DESIRE TO CALL PARTICULAR ATTENTION TO THEIR QUALITY  
AND THE METHOD OF MANUFACTURING

### POINTS OF MERIT

#### MATERIAL

##### FINEST CRUCIBLE STEEL

The foundation of the Disston Saw is a steel made by our special process, in our own steel works. This process, the outgrowth of careful experimenting, was made possible by a thorough knowledge of the requirements of saws, the importance of having a steel particularly adapted to meet these requirements, and the policy of always making **QUALITY** the first consideration. Each ingot and plate is carefully inspected, tested and proved before being passed, thus insuring uniformity. We have manufactured Crucible Saw Steel since 1855.

#### HARDENING and TEMPERING

##### DISSTON METHOD

Being manufacturers of our own steel and thoroughly familiar with its make-up, we are able to absolutely adjust the Disston special hardening and tempering processes to the degree giving that perfect combination of hardness and toughness that produces the "edge and set-holding qualities" for which the Disston Saws are renowned.

#### GRINDING

##### DISSTON METHOD

The Disston Cross-cut Saws are taper-ground. They are uniform in thickness on the cutting edges and a relative and uniform thickness throughout the body of the saws, the taper being ground on lines conforming to the breast of the saw to a thin or extra thin back, gives the saws the maximum amount of clearance at all parts of the blades without sacrificing their weight, stiffness or elasticity.

#### WORKMANSHIP

##### DISSTON METHOD

In the blocking, polishing, stiffening and final processes of manufacture, the same high order of skill is exercised as in the hardening, tempering and grinding, the result being Saws of the highest quality and efficiency that human ingenuity coupled with skill, is capable of producing.

In the **DISSTON BRAND** of SAWS you have the advantages of the product of a progressive, up-to-date saw factory, the **LARGEST IN THE WORLD**, and where saws are made throughout, from the making of the steel itself—the superiority of which has been demonstrated for the past sixty-three years—to the finishing operation, and each process is performed by mechanics of long experience and highest order of skill.

**We Have Been Making Saws for Over 83 Years**

No expense or care is spared in our efforts to produce The Best Saws in the world, and we guarantee the Disston Saws, under the same conditions, will run easier, cut faster and last longer than any other brand of saw on the market.

## HENRY DISSTON & SONS

INCORPORATED

Keystone Saw, Tool, Steel and File Works

PHILADELPHIA, U. S. A.

# CROSS-CUT SAWS

No. 289 VIRGINIAN



Six gauges thinner on back than on tooth-edge.....	$5\frac{1}{4}$	$5.30$	$6$	$6\frac{1}{4}$	$7$	$7\frac{1}{4}$	$8$ feet
Width at centre.....	$6\frac{1}{4}$	$6\frac{1}{4}$	$7\frac{1}{4}$	$7\frac{1}{4}$	$8\frac{1}{4}$	$8\frac{1}{4}$	$10.35$ each

No. 495 SUWANEE



Six gauges thinner on back than on tooth-edge.....	$5\frac{1}{4}$	$5.30$	$6$	$6\frac{1}{4}$	$7$	$7\frac{1}{4}$	$8$ feet
Width at centre.....	$6\frac{1}{4}$	$6\frac{1}{4}$	$7\frac{1}{4}$	$7\frac{1}{4}$	$8\frac{1}{4}$	$8\frac{1}{4}$	$10.35$ each

Trade Mark Registered  
U. S. Patent Office

No. 489 "ORIOLE"

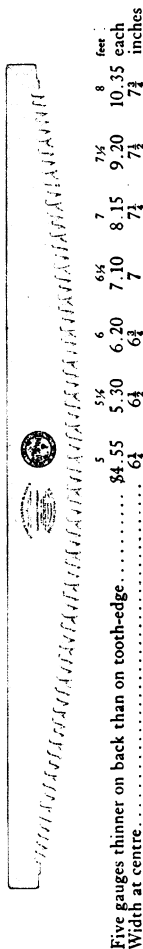


Five gauges thinner on back than on tooth-edge.....	$5\frac{1}{4}$	$5.30$	$6$	$6\frac{1}{4}$	$7$	$7\frac{1}{4}$	$8$ feet
Width at centre.....	$6\frac{1}{4}$	$6\frac{1}{4}$	$7\frac{1}{4}$	$7\frac{1}{4}$	$8\frac{1}{4}$	$8\frac{1}{4}$	$10.35$ each

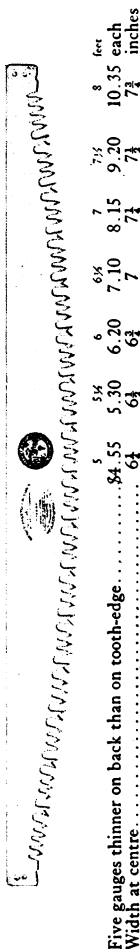
# CROSS-CUT SAWS

Trade Mark  
Registered  
U.S. Pat. Off.

## No. 287 DIAMOND POINT "VIM" CHAMPION

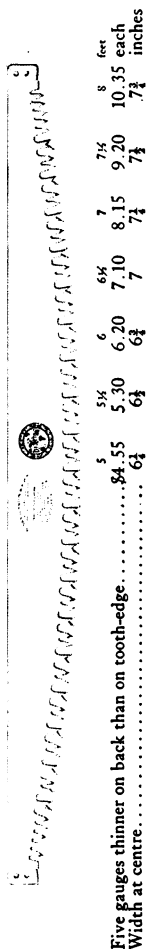


## No. 397 WIZARD



Trade Mark  
Registered  
U.S. Pat. Off.

## No. 285 "GREAT SOUTHERN"










## CROSS-CUT SAWS


For  
Pacific Coast  
Trade

No. 499



	6	6½	7	7¼	8	8½	9	10	12	feet
13 and 17 gauge.....	\$6.80	7.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36	each
Width at centre.....	6¾	7	7¼	7½	7¾	7¾	8	8½	9½	inches

No. 498 FELLING



	6	6½	7	7¼	8	8½	9	10	12	feet
13 and 17 gauge.....	\$6.80	7.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36	each
Width at centre.....	5½	5½	5¾	5¾	5¾	6	6	6¼	6½	inches










Cross-cut saws heavier and saws ground thinner on back than catalogued, special price

## CROSS-CUT SAWS










No. 449 "COUGAR"

For  
Pacific Coast  
Trade










Trade Mark  
Registered  
U. S. Pat. Office

									
13 and 17 gauge.....	6	6 1/4	7	7 1/4	8	8 1/2	9	10	12
Width at centre.....	6 1/2	7.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36
			7	7 1/4	7 1/2	7 3/4	8	8 1/2	9 1/2
									inches

No. 448 "COUGAR" FELLING

									
13 and 17 gauge.....	6	6 1/4	7	7 1/4	8	8 1/2	9	10	12
Width at centre.....	5 1/2	7.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36
			5 1/2	5 3/4	5 3/4	6	6	6 1/2	7
									inches


No. 299 FALCON

									
12 and 17 gauge.....	6	6 1/4	7	7 1/4	8	8 1/2	9	10	12
Width at centre.....	6 1/2	7.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36
			7	7 1/4	7 1/2	7 3/4	8	8 1/2	9 1/2
									inches

Cross-cut saws heavier and saws ground thinner on back than catalogued, special price


For  
Pacific Coast  
Trade

## CROSS-CUT SAWS No. 298 FALCON FELLING




	6	7	7 1/4	8	8 1/4	9	10	12
12 and 17 gauge.....	\$6.80	9.00	10.00	11.40	13.92	14.75	18.52	27.36 each
Width at centre.....	6	6	6	6	6 1/4	6 1/4	6 1/2	6 3/4 inches

### No. 497 NEVADA



	6	6 1/4	6 1/2	7	7 1/4	8
13 and 17 gauge.....	\$6.60	7.15	7.70	7.70	8.25	8.80 each
Width at centre.....	6 1/2	6 3/4	7	7 1/4	7 1/2	7 3/4 inches

### No. 496 NEVADA FELLING




	6	6 1/4	6 1/2	7	7 1/4	8
13 and 17 gauge.....	\$6.60	7.15	7.70	7.70	8.25	8.80 each
Width at centre, all lengths, 5 1/4 inches						

Cross-cut saws heavier, and saws ground thinner on back than catalogued, special price.


For  
Pacific Coast  
Trade

## CROSS-CUT SAWS

No. 475 OREGON  
PERFORATED

				
14 and 18 gauge.....	<sup>6</sup> / <sub>16</sub>	34.50	<sup>7</sup> / <sub>16</sub>	<sup>8</sup> / <sub>16</sub> feet 6.00 each
Width at centre.....		7	<sup>7</sup> / <sub>16</sub>	8 inches

No. 473 OREGON  
NOT PERFORATED

				
14 and 18 gauge.....	<sup>6</sup> / <sub>16</sub>	34.50	<sup>7</sup> / <sub>16</sub>	<sup>8</sup> / <sub>16</sub> feet 6.00 each
Width at centre.....		7 $\frac{1}{2}$	<sup>7</sup> / <sub>16</sub>	8 $\frac{1}{2}$ inches

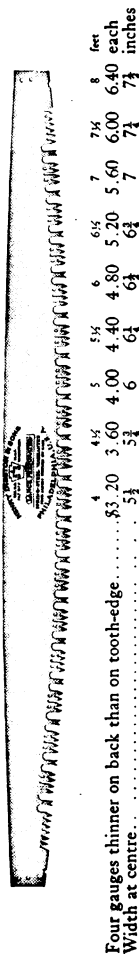
No. 479 LANCE  
PERFORATED, CUT END

				
14 and 18 gauge.....	<sup>5</sup> / <sub>16</sub>	34.80	<sup>7</sup> / <sub>16</sub>	<sup>8</sup> / <sub>16</sub> feet 6.40 each
Width at centre.....		6 $\frac{1}{2}$	7	7 $\frac{1}{2}$ inches

Cross-cut saws heavier, and saws ground thinner on back than catalogued, special price.

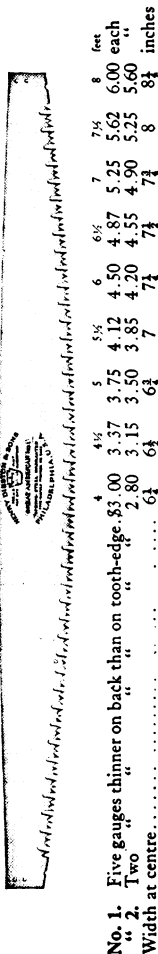
# CROSS-CUT SAWS

## No. 477 LANCE, PERFORATED



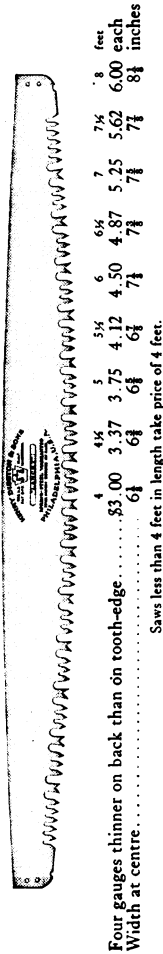
## No. 1 "GREAT AMERICAN"

Trade Mark Registered  
U. S. Patent Office



## No. 365 "LANCET"


Trade Mark Registered  
U. S. Patent Office



Saws less than 4 feet in length take price of 4 feet.  
Cross-cut saws thinner than sixteen gauge, extra price. Saws ground thinner on back than catalogued, extra price.


Registered  
U. S. Pat. Off.

# CROSS-CUT SAWS "LUMBERMAN"



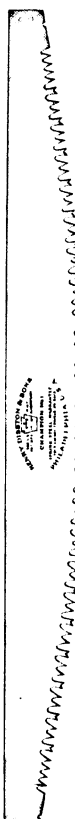
No. 1.	Four gauges thinner on back than on tooth-edge	\$3.00	4 1/2	5	5 1/2	6	6 1/4	7	7 1/2	8	8 feet
" 2.	Two gauges thinner on back than on tooth-edge	"	2.80	3.15	3.50	3.85	4.20	4.55	4.90	5.25	6.00 each
Width at centre			6 1/4	6 1/2	7	7 1/4	7 1/2	7 3/4	8	8 1/2	8 1/2 inches

## No. 1 DIAMOND



No. 1.	Four gauges thinner on back than on tooth-edge	\$3.00	4 1/2	5	5 1/2	6	6 1/4	7	7 1/2	8	8 feet
" 2.	Two gauges thinner on back than on tooth-edge	"	2.80	3.15	3.50	3.85	4.20	4.55	4.90	5.25	6.00 each
Width at centre			6 1/4	6 1/2	7	7 1/4	7 1/2	7 3/4	8	8 1/2	8 1/2 inches

## No. 1 CHAMPION



No. 1.	Four gauges thinner on back than on tooth-edge	\$2.60	2.92	3.25	3.57	3.90	4.22	4.55	4.87	5.20 each	8 feet
" 2.	Two gauges thinner on back than on tooth-edge	"	2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80 each
Width at centre			6 1/4	7	7 1/4	7 1/2	7 3/4	8	8 1/2	8 1/2	8 1/2 inches


No. 2 only Toothed to ends for Pacific Coast trade. Same Price as No. 2.

Saws less than 4 feet in length take price of 4 feet.  
Cross-cut saws thinner than sixteen gauge, extra price. Saws ground thinner on back than catalogued, extra price.




# NARROW CROSS-CUT SAWS

## No. 598 TRIUMPH TOLEDO

<sup>4</sup> \$2.20						
	<sup>4 1/2</sup> 2.48	<sup>5</sup> 2.75	<sup>5 1/2</sup> 3.02	<sup>6</sup> 3.30	<sup>6 1/2</sup> 3.58	<sup>7</sup> feet 3.85 each


No. 492. Triumph Lance Perforated, same price as Triumph Toledo. Both saws ground two gauges thinner on back than on tooth-edge. Widths at centre, all lengths, 3 1/4 inches.

## No. 368 TRIUMPH GREAT AMERICAN

<sup>4</sup> \$1.68						
	<sup>4 1/2</sup> 1.89	<sup>5</sup> 2.10	<sup>5 1/2</sup> 2.31	<sup>6</sup> 2.52	<sup>6 1/2</sup> 2.73	<sup>7</sup> feet 2.94 each

No. 364. Triumph Diamond Tooth, same price as Triumph Great American. Widths at centre, all lengths, 3 1/4 inches.

## No. 286 TRIUMPH CHAMPION

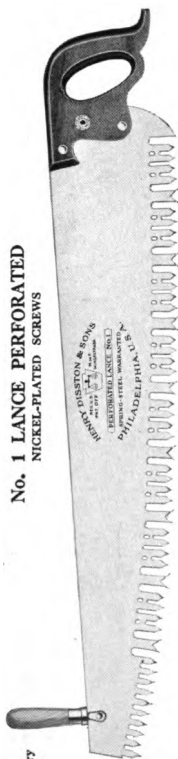
<sup>4</sup> \$1.44						
	<sup>4 1/2</sup> 1.62	<sup>5</sup> 1.80	<sup>5 1/2</sup> 1.98	<sup>6</sup> 2.16	<sup>6 1/2</sup> 2.34	<sup>7</sup> feet 2.52 each

No. 284. Triumph Platin and No. 282 Triumph Tenon, same price as Triumph Champion. Widths at centre, all lengths, 3 1/4 inches.



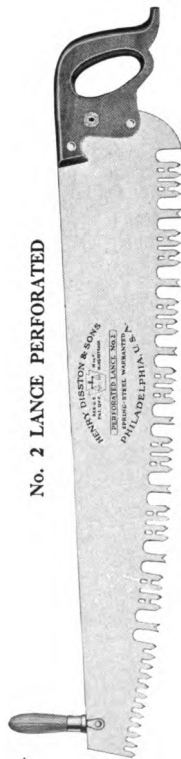
# ONE-MAN CROSS-CUT SAWS

## No. 1 LANCE PERFORATED NICKEL-PLATED SCREWS



Width at butt.....	<sup>3</sup> \$2.80	<sup>3 1/4</sup> 3.30	<sup>4</sup> 3.75	<sup>4 1/4</sup> 4.25	<sup>5</sup> 4.70	<sup>5 1/4</sup> 5.15	<sup>6</sup> 5.60
	<sup>7 1/8</sup>	<sup>7 1/2</sup>	<sup>7 3/8</sup>	<sup>7 1/2</sup>	<sup>7 7/8</sup>	<sup>8</sup>	<sup>8 1/2</sup>
							feet each inches

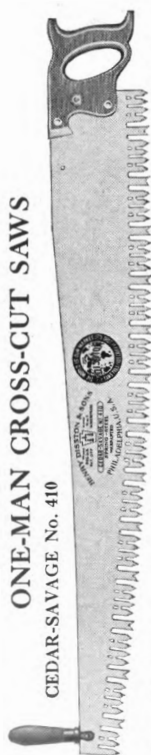
## No. 2 LANCE PERFORATED



Width at butt.....	<sup>3</sup> \$2.65	<sup>3 1/4</sup> 3.10	<sup>4</sup> 3.50	<sup>4 1/4</sup> 4.00	<sup>5</sup> 4.45	<sup>5 1/4</sup> 4.85	<sup>6</sup> 5.25
	<sup>7 1/8</sup>	<sup>7 1/2</sup>	<sup>7 3/8</sup>	<sup>7 1/2</sup>	<sup>7 7/8</sup>	<sup>8</sup>	<sup>8 1/2</sup>
							feet each inches

The Disston One-man Saws are made and ground on the same principles as our best Hand Saws. The Hardening, Tempering, Hammering, Grinding, Tensioning, Blocking, Setting and Sharpening are all done on scientific principles that make the saws capable of standing all necessary "thrust" pressure without buckling, and at the same time, easy, rapid cutters.

Packed in quarter-dozen bundles.

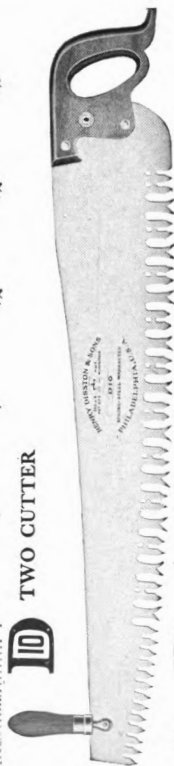


**ONE-MAN CROSS-CUT SAWS**  
**CEDAR-SAVAGE No. 410**

With  
Supplementary  
Handle

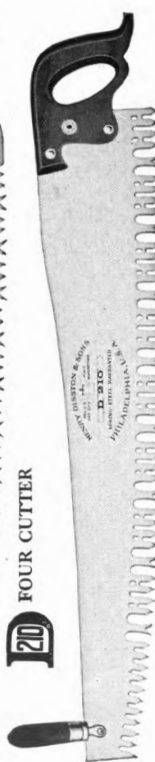
The Cedar-Savage One-Man Cross-Cut Saw is designed to meet the demand for a saw especially adapted for cutting cedar, pine, and pulp woods. The Saw has a narrower blade than the ordinary one-man cross-cut saw, and being ground to a taper, it affords the necessary clearance with the minimum amount of set. The Saw is fitted with a double horn handle, made of selected, thoroughly seasoned hardwood. The handle is made with an extra large grip.

Cedar-Savage No. 410.....	4.15	5	5 1/2	6 feet
Width at Butt.....	3.60	4.50	4.95	5.40 each
	3.15	7 1/4	7 1/2	7 1/2 inches



**D-10 TWO CUTTER**

With  
Supplementary  
Handle



**D-210 FOUR CUTTER**

With  
Supplementary  
Handle

The D-210 One-Man Cross-Cut Saw is designed to meet the demand for a saw especially adapted for cutting cedar. This saw is four-foot length measures exactly four feet from point of first tooth to point of last tooth, making a constant rate for marking off cuts in four-foot lengths; a feature not appreciated by cedar cutters.

D-10 and D-210.....	4.15	5	5 1/2	6 feet
Width at butt.....	3.60	4.50	4.95	5.40 each
	3.15	7 1/4	7 1/2	8 1/4 inches

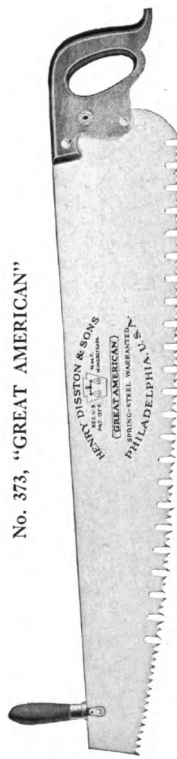
These Skewback Saws are ground thin towards the back, narrower in width than regular one-man saws, deep teeth, extra wide gullets, rakers special shaped with "undercut" for clearance. The D-10 and D-210 handles have extra large grip. Packed in quarter dozen bundles.

# ONE-MAN CROSS-CUT SAWS

No. 373, "GREAT AMERICAN"

Trade Mark  
Registered  
U. S. Pat. Off.

With  
Supplementary  
Handle



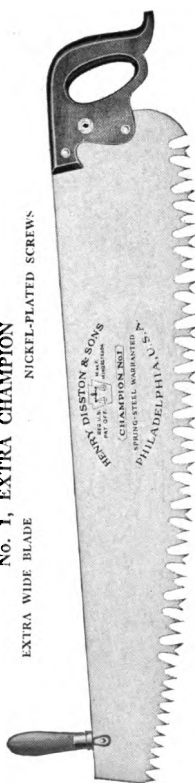
Width at butt . . . . .	3	3½	4	4½	5	5½	6
	\$2.55	2.85	3.25	3.65	4.10	4.55	5.00
	7½	7½	7½	7½	7½	8	8½
							feet
							inches

We make an improved file for keeping the Great American tooth in order, and it should be ordered with the saws.  
The Great American Saws furnished either Straight or Skewback at same price

## No. 1, EXTRA CHAMPION

EXTRA WIDE BLADE  
NICKEL-PLATED SCREWS

With  
Supplementary  
Handle

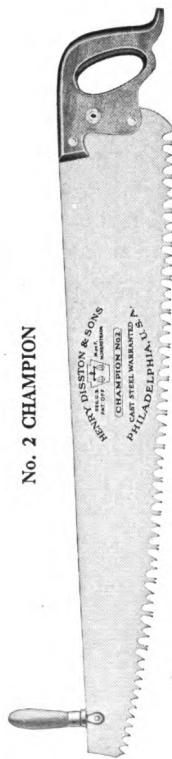


Width at butt . . . . .	3	3½	4	4½	5	5½	6
	\$2.65	3.10	3.50	4.00	4.45	4.85	5.25
	7½	7½	7½	7½	7½	8	8½
							feet
							inches

Packed in quarter-dozen bundles

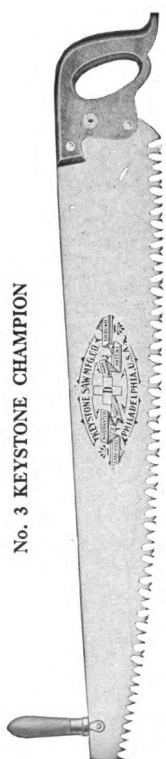
# ONE-MAN CROSS-CUT SAWS

## No. 2 CHAMPION

With Supplementary Handle						
	3	3½	4	4½	5	5½
	\$2.25	2.60	3.00	3.35	3.70	4.10
Width at butt.....	6¼	7	7½	7¾	8	8½
					4.45 each	6 feet

Same as above, with No. 2 Tenon Tooth—same prices

## No. 3 KEYSTONE CHAMPION

With Supplementary Handle						
	3	3½	4	4½	5	5½
	\$2.10	2.45	2.80	3.15	3.50	3.85
Width at butt.....	6¼	6½	6¾	6¾	7	7½
					4.20 each	6 feet

Packed in quarter-dozen bundles

## ONE-MAN CROSS-CUT SAWS

No. 261 "LUMBERMAN"

Trade Mark  
Registered  
U. S. Pat. Off.

With  
Supplementary  
Handle



HENRY DISSTON & SONS  
"LUMBERMAN"  
PATENTED  
CAST STEEL WARRANTED  
PHILADELPHIA, U.S.A.

6 feet  
5.00 each  
8 1/2 inches

5 1/4  
4.55  
8

5  
4.10  
7 1/2

4 1/4  
3.65  
7 1/4

3 1/4  
2.85  
7 1/4

3  
\$2.55  
7 1/4

Width at butt

## No. 191 PLAIN TOOTH



With  
Supplementary  
Handle

HENRY DISSTON & SONS  
"PLAIN"  
PATENTED  
CAST STEEL WARRANTED  
PHILADELPHIA, U.S.A.

6 feet  
each  
4.45  
8 inches  
each  
4.20  
7 1/2 inches

5 1/4  
4.10  
7 1/4

5  
3.70  
7 1/2

4 1/4  
3.35  
7 1/4

4  
3.00  
7 1/4

3 1/4  
2.60  
7 1/4

3  
2.25  
6 1/4

No. 191. Disston Plain Tooth..\$2.25  
Width at butt.....6 1/4  
No. 198. Keystone Plain Tooth \$2.10  
Width at butt.....6 1/4

## No. 196 ONE-MAN DOCKING SAW



For Docking  
the Ends of  
Boards  
when Piling

Crucible Steel Blade, 18 gauge on tooth-edge 21 gauge on back. Tenon Tooth, regularly made 4 points to inch other points when specially ordered. Malleable Iron handle, two rivets. A saw for light work.

No. 196. Docking Saw, 30 inch ..... \$50.00      36 inch.....\$42.00 per dozen      Packed in quarter-dozen bundles

## AUCKLAND PATTERN DRAG TOOTH CROSS-CUT SAWS

No. 7



Space of teeth, 6 and 6½ ft., 1 in.; 7 ft., 1½ in.; 7½ ft., 1½ in.; 8 and 8½ ft., 1½ in.; 9 to 10 ft., 1½ in

Space between sections of teeth, 2½ inches

	6	6½	7	7½	8	8½	9	9½	10	feet
Width at centre.....	\$5.10	5.52	5.95	6.37	6.80	8.30	8.80	10.50	11.05	each
	7½	7½	7½	8	8½	8½	8½	9	9½	inches

No. 10



Space of teeth, 5 ft., 1 inch. All other sizes, 1½ inches. Space between sections of teeth, 1½ inches

	5	6	6½	7	7½	8	8½	9	9½	10	feet
Width at centre.....	\$3.75	4.50	4.87	5.25	5.62	6.00	7.33	7.76	9.26	9.75	each
	6½	7½	7½	7½	8	8½	8½	8½	9	9½	inches

No. 15



Space of teeth, 6 feet to 7½ feet, 1 inch; 8 feet to 10 feet, 1½ inches. Space between sections of teeth, 2½ inches	6	6½	7	7½	8	8½	9	9½	10	feet
Width at centre.....	\$5.10	5.52	5.95	6.37	6.80	8.30	8.80	10.50	11.05	each
	7½	7½	7½	8	8½	8½	8½	9	9½	inches

Saws of above pattern with special space of teeth made to order

# CROSS-CUT SAWS

No. 27, TASMANIAN TOOTH

STRAIGHT BACK BLADE



Space of teeth,  $1\frac{1}{2}$  inches from point to point; gullets  $\frac{7}{8}$  inch wide,  $1\frac{1}{8}$  inches deep

$4\frac{1}{2}$	$3.37$	$5\frac{1}{2}$	$4.12$	$6\frac{1}{4}$	$4.50$	$7\frac{1}{8}$	$4.87$	$7\frac{1}{2}$	$5.25$	$8\frac{1}{4}$	$5.62$	$8\frac{1}{2}$	$6.00$
\$3.00													feet each

Width at centre, all lengths, 7 inches

## No. 37, JARRAH TOOTH

ROUND BACK BLADE



Space of teeth,  $1\frac{1}{2}$  inches wide from point to point; gullets either  $\frac{1}{2}$  or  $\frac{5}{8}$  inch wide,  $1\frac{1}{8}$  inches deep

$4\frac{1}{2}$	$3.37$	$5\frac{1}{2}$	$4.12$	$6\frac{1}{4}$	$4.50$	$7\frac{1}{8}$	$4.87$	$7\frac{1}{2}$	$5.25$	$8\frac{1}{4}$	$5.62$	$8\frac{1}{2}$	$6.00$
\$3.00													feet each

Width at centre.....  $6\frac{1}{4}$   $6\frac{1}{2}$   $6\frac{3}{4}$   $7$   $7\frac{1}{8}$   $7\frac{1}{4}$   $7\frac{1}{2}$   $7\frac{3}{4}$   $8$   $8\frac{1}{4}$   $8\frac{1}{2}$   $8\frac{3}{4}$   $9$   $9\frac{1}{4}$   $9\frac{1}{2}$   $9\frac{3}{4}$   $10$   $10\frac{1}{4}$   $10\frac{1}{2}$   $10\frac{3}{4}$   $11$   $11\frac{1}{4}$   $11\frac{1}{2}$   $11\frac{3}{4}$   $12$   $12\frac{1}{4}$   $12\frac{1}{2}$   $12\frac{3}{4}$   $13$   $13\frac{1}{4}$   $13\frac{1}{2}$   $13\frac{3}{4}$   $14$   $14\frac{1}{4}$   $14\frac{1}{2}$   $14\frac{3}{4}$   $15$   $15\frac{1}{4}$   $15\frac{1}{2}$   $15\frac{3}{4}$   $16$   $16\frac{1}{4}$   $16\frac{1}{2}$   $16\frac{3}{4}$   $17$   $17\frac{1}{4}$   $17\frac{1}{2}$   $17\frac{3}{4}$   $18$   $18\frac{1}{4}$   $18\frac{1}{2}$   $18\frac{3}{4}$   $19$   $19\frac{1}{4}$   $19\frac{1}{2}$   $19\frac{3}{4}$   $20$   $20\frac{1}{4}$   $20\frac{1}{2}$   $20\frac{3}{4}$   $21$   $21\frac{1}{4}$   $21\frac{1}{2}$   $21\frac{3}{4}$   $22$   $22\frac{1}{4}$   $22\frac{1}{2}$   $22\frac{3}{4}$   $23$   $23\frac{1}{4}$   $23\frac{1}{2}$   $23\frac{3}{4}$   $24$   $24\frac{1}{4}$   $24\frac{1}{2}$   $24\frac{3}{4}$   $25$   $25\frac{1}{4}$   $25\frac{1}{2}$   $25\frac{3}{4}$   $26$   $26\frac{1}{4}$   $26\frac{1}{2}$   $26\frac{3}{4}$   $27$   $27\frac{1}{4}$   $27\frac{1}{2}$   $27\frac{3}{4}$   $28$   $28\frac{1}{4}$   $28\frac{1}{2}$   $28\frac{3}{4}$   $29$   $29\frac{1}{4}$   $29\frac{1}{2}$   $29\frac{3}{4}$   $30$   $30\frac{1}{4}$   $30\frac{1}{2}$   $30\frac{3}{4}$   $31$   $31\frac{1}{4}$   $31\frac{1}{2}$   $31\frac{3}{4}$   $32$   $32\frac{1}{4}$   $32\frac{1}{2}$   $32\frac{3}{4}$   $33$   $33\frac{1}{4}$   $33\frac{1}{2}$   $33\frac{3}{4}$   $34$   $34\frac{1}{4}$   $34\frac{1}{2}$   $34\frac{3}{4}$   $35$   $35\frac{1}{4}$   $35\frac{1}{2}$   $35\frac{3}{4}$   $36$   $36\frac{1}{4}$   $36\frac{1}{2}$   $36\frac{3}{4}$   $37$   $37\frac{1}{4}$   $37\frac{1}{2}$   $37\frac{3}{4}$   $38$   $38\frac{1}{4}$   $38\frac{1}{2}$   $38\frac{3}{4}$   $39$   $39\frac{1}{4}$   $39\frac{1}{2}$   $39\frac{3}{4}$   $40$   $40\frac{1}{4}$   $40\frac{1}{2}$   $40\frac{3}{4}$   $41$   $41\frac{1}{4}$   $41\frac{1}{2}$   $41\frac{3}{4}$   $42$   $42\frac{1}{4}$   $42\frac{1}{2}$   $42\frac{3}{4}$   $43$   $43\frac{1}{4}$   $43\frac{1}{2}$   $43\frac{3}{4}$   $44$   $44\frac{1}{4}$   $44\frac{1}{2}$   $44\frac{3}{4}$   $45$   $45\frac{1}{4}$   $45\frac{1}{2}$   $45\frac{3}{4}$   $46$   $46\frac{1}{4}$   $46\frac{1}{2}$   $46\frac{3}{4}$   $47$   $47\frac{1}{4}$   $47\frac{1}{2}$   $47\frac{3}{4}$   $48$   $48\frac{1}{4}$   $48\frac{1}{2}$   $48\frac{3}{4}$   $49$   $49\frac{1}{4}$   $49\frac{1}{2}$   $49\frac{3}{4}$   $50$   $50\frac{1}{4}$   $50\frac{1}{2}$   $50\frac{3}{4}$   $51$   $51\frac{1}{4}$   $51\frac{1}{2}$   $51\frac{3}{4}$   $52$   $52\frac{1}{4}$   $52\frac{1}{2}$   $52\frac{3}{4}$   $53$   $53\frac{1}{4}$   $53\frac{1}{2}$   $53\frac{3}{4}$   $54$   $54\frac{1}{4}$   $54\frac{1}{2}$   $54\frac{3}{4}$   $55$   $55\frac{1}{4}$   $55\frac{1}{2}$   $55\frac{3}{4}$   $56$   $56\frac{1}{4}$   $56\frac{1}{2}$   $56\frac{3}{4}$   $57$   $57\frac{1}{4}$   $57\frac{1}{2}$   $57\frac{3}{4}$   $58$   $58\frac{1}{4}$   $58\frac{1}{2}$   $58\frac{3}{4}$   $59$   $59\frac{1}{4}$   $59\frac{1}{2}$   $59\frac{3}{4}$   $60$   $60\frac{1}{4}$   $60\frac{1}{2}$   $60\frac{3}{4}$   $61$   $61\frac{1}{4}$   $61\frac{1}{2}$   $61\frac{3}{4}$   $62$   $62\frac{1}{4}$   $62\frac{1}{2}$   $62\frac{3}{4}$   $63$   $63\frac{1}{4}$   $63\frac{1}{2}$   $63\frac{3}{4}$   $64$   $64\frac{1}{4}$   $64\frac{1}{2}$   $64\frac{3}{4}$   $65$   $65\frac{1}{4}$   $65\frac{1}{2}$   $65\frac{3}{4}$   $66$   $66\frac{1}{4}$   $66\frac{1}{2}$   $66\frac{3}{4}$   $67$   $67\frac{1}{4}$   $67\frac{1}{2}$   $67\frac{3}{4}$   $68$   $68\frac{1}{4}$   $68\frac{1}{2}$   $68\frac{3}{4}$   $69$   $69\frac{1}{4}$   $69\frac{1}{2}$   $69\frac{3}{4}$   $70$   $70\frac{1}{4}$   $70\frac{1}{2}$   $70\frac{3}{4}$   $71$   $71\frac{1}{4}$   $71\frac{1}{2}$   $71\frac{3}{4}$   $72$   $72\frac{1}{4}$   $72\frac{1}{2}$   $72\frac{3}{4}$   $73$   $73\frac{1}{4}$   $73\frac{1}{2}$   $73\frac{3}{4}$   $74$   $74\frac{1}{4}$   $74\frac{1}{2}$   $74\frac{3}{4}$   $75$   $75\frac{1}{4}$   $75\frac{1}{2}$   $75\frac{3}{4}$   $76$   $76\frac{1}{4}$   $76\frac{1}{2}$   $76\frac{3}{4}$   $77$   $77\frac{1}{4}$   $77\frac{1}{2}$   $77\frac{3}{4}$   $78$   $78\frac{1}{4}$   $78\frac{1}{2}$   $78\frac{3}{4}$   $79$   $79\frac{1}{4}$   $79\frac{1}{2}$   $79\frac{3}{4}$   $80$   $80\frac{1}{4}$   $80\frac{1}{2}$   $80\frac{3}{4}$   $81$   $81\frac{1}{4}$   $81\frac{1}{2}$   $81\frac{3}{4}$   $82$   $82\frac{1}{4}$   $82\frac{1}{2}$   $82\frac{3}{4}$   $83$   $83\frac{1}{4}$   $83\frac{1}{2}$   $83\frac{3}{4}$   $84$   $84\frac{1}{4}$   $84\frac{1}{2}$   $84\frac{3}{4}$   $85$   $85\frac{1}{4}$   $85\frac{1}{2}$   $85\frac{3}{4}$   $86$   $86\frac{1}{4}$   $86\frac{1}{2}$   $86\frac{3}{4}$   $87$   $87\frac{1}{4}$   $87\frac{1}{2}$   $87\frac{3}{4}$   $88$   $88\frac{1}{4}$   $88\frac{1}{2}$   $88\frac{3}{4}$   $89$   $89\frac{1}{4}$   $89\frac{1}{2}$   $89\frac{3}{4}$   $90$   $90\frac{1}{4}$   $90\frac{1}{2}$   $90\frac{3}{4}$   $91$   $91\frac{1}{4}$   $91\frac{1}{2}$   $91\frac{3}{4}$   $92$   $92\frac{1}{4}$   $92\frac{1}{2}$   $92\frac{3}{4}$   $93$   $93\frac{1}{4}$   $93\frac{1}{2}$   $93\frac{3}{4}$   $94$   $94\frac{1}{4}$   $94\frac{1}{2}$   $94\frac{3}{4}$   $95$   $95\frac{1}{4}$   $95\frac{1}{2}$   $95\frac{3}{4}$   $96$   $96\frac{1}{4}$   $96\frac{1}{2}$   $96\frac{3}{4}$   $97$   $97\frac{1}{4}$   $97\frac{1}{2}$   $97\frac{3}{4}$   $98$   $98\frac{1}{4}$   $98\frac{1}{2}$   $98\frac{3}{4}$   $99$   $99\frac{1}{4}$   $99\frac{1}{2}$   $99\frac{3}{4}$   $100$   $100\frac{1}{4}$   $100\frac{1}{2}$   $100\frac{3}{4}$   $101$   $101\frac{1}{4}$   $101\frac{1}{2}$   $101\frac{3}{4}$   $102$   $102\frac{1}{4}$   $102\frac{1}{2}$   $102\frac{3}{4}$   $103$   $103\frac{1}{4}$   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$195\frac{1}{2}$   $195\frac{3}{4}$   $196$   $196\frac{1}{4}$   $196\frac{1}{2}$   $196\frac{3}{4}$   $197$   $197\frac{1}{4}$   $197\frac{1}{2}$   $197\frac{3}{4}$   $198$   $198\frac{1}{4}$   $198\frac{1}{2}$   $198\frac{3}{4}$   $199$   $199\frac{1}{4}$   $199\frac{1}{2}$   $199\frac{3}{4}$   $200$   $200\frac{1}{4}$   $200\frac{1}{2}$   $200\frac{3}{4}$   $201$   $201\frac{1}{4}$   $201\frac{1}{2}$   $201\frac{3}{4}$   $202$   $202\frac{1}{4}$   $202\frac{1}{2}$   $202\frac{3}{4}$   $203$   $203\frac{1}{4}$   $203\frac{1}{2}$   $203\frac{3}{4}$   $204$   $204\frac{1}{4}$   $204\frac{1}{2}$   $204\frac{3}{4}$   $205$   $205\frac{1}{4}$   $205\frac{1}{2}$   $205\frac{3}{4}$   $206$   $206\frac{1}{4}$   $206\frac{1}{2}$   $206\frac{3}{4}$   $207$   $207\frac{1}{4}$   $207\frac{1}{2}$   $207\frac{3}{4}$   $208$   $208\frac{1}{4}$   $208\frac{1}{2}$   $208\frac{3}{4}$   $209$   $209\frac{1}{4}$   $209\frac{1}{2}$   $209\frac{3}{4}$   $210$   $210\frac{1}{4}$   $210\frac{1}{2}$   $210\frac{3}{4}$   $211$   $211\frac{1}{4}$   $211\frac{1}{2}$   $211\frac{3}{4}$   $212$   $212\frac{1}{4}$   $212\frac{1}{2}$   $212\frac{3}{4}$   $213$   $213\frac{1}{4}$   $213\frac{1}{2}$   $213\frac{3}{4}$   $214$   $214\frac{1}{4}$   $214\frac{1}{2}$   $214\frac{3}{4}$   $215$   $215\frac{1}{4}$   $215\frac{1}{2}$   $215\frac{3}{4}$   $216$   $216\frac{1}{4}$   $216\frac{1}{2}$   $216\frac{3}{4}$   $217$

# CROSS-CUT HANDLES

No. 100  
TRIUMPH

No. 100. Triumph. 12½ inches long, 1½ inches diameter at thickest part. Grey iron castings, malleable iron bolt and nut.



No. 102½  
CLIMAX  
PATTERN



No. 101  
TRIUMPH  
Reversible

No. 101. Triumph Reversible. Same dimensions as No. 100.



No. 102  
NEW CLIMAX



No. 103  
OLD CLIMAX



No. 104  
OREGON



No. 106



No. 102. Climax Reversible. Same dimensions as No. 103, excepting small grey iron casting at back.

No. 102½. Climax Reversible Handle. Dimensions same as No. 103, with lighter weight grey iron castings, malleable iron bolt and nut.

No. 103. Climax Reversible. 13½ inches long, 1½ inches diameter at thickest part. Grey iron casting in front and back. Malleable iron bolt and nut.

No. 104. Oregon Climax. 14 inches long, 1½ inches diameter at thickest part. Heavy grey iron castings, malleable iron bolt and nut.

No. 106. Loop handle, 10½ inches long, 1½ inches diameter. Malleable iron washer, loop rod and inside nut.

For Prices see Discount Sheet



# CROSS-CUT HANDLES

No. 106  
OLD STYLE  
LOOP



No. 108. Loop handle, 10½ inches long, from top of handle to bottom of washer, 1½ inches diameter at thickest part. Malleable iron washer, ferrule, loop rod and inside nut.

No. 112



No. 112. 14½ inches long, 1½ inches diameter. This is a patent handle, double grip, malleable iron castings, loop rod.

No. 109



No. 109. Loop handle, 10½ inches long from top of handle to bottom of washer, 1½ inches diameter at thickest part. Malleable iron ferrule, washer, loop rod and inside nut.

No. 107



No. 107. Loop handle, 10½ inches long, 1½ inches diameter. Malleable iron round-edge washer, loop rod and inside nut.

No. 116  
PLAIN



No. 116. Plain, 12½ inches long, 1½ inches diameter.

No. 113  
REVERSIBLE



No. 113. 14½ inches long, 1½ inches diameter, double grip, reversible, heavy malleable iron castings, loop rod.

No. 113  
(REVERSED)



No. 119

13½ inches long, 1½ inches diameter at thickest part, heavy malleable iron castings, malleable iron bolt and nut.



For Prices see Discount Sheet

# CROSS-CUT HANDLES

## SECTIONAL VIEW No. 122

Heavy, malleable iron cap with Long neck, tapped for Loop Rod.

Wood, thoroughly seasoned and well finished.

Heavy ferrule, malleable iron.

Anti-friction washer.

Loop rod, malleable iron, extra heavy and strong. Well-cut threads



No. 122

It will be noticed that the cap is made with a long neck, tapped to fit the threaded end of loop rod. This rod extends through the handle, making the connection and line of pressure, when on saw, from top of handle to bottom edge of blade, thus insuring a strong, firm grip on saw, without possibility of lost motion or wobbling. 8 inches long, diameter, 1 1/4 inches.

## TABS



Plain  
Per pair, 20c



Slot End  
Bolt and Lever Nut  
Per pair, 65c



Square Hole  
Key pair, 35c

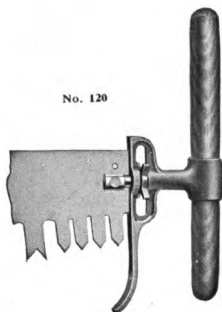


Square Hole  
Key Wedge  
Per pair, 50c

For Prices See Discount Sheet



No. 120



This design eliminates the use of a nut at the back of handle, and provides a good, easy and comfortable grip for a direct thrust. Another new feature is the "Sprocket Nut" by means of which the handle is quickly and firmly attached to the saw.

No. 120. Made of selected, thoroughly seasoned hardwood, well finished. Length, 12 inches, diameter at thickest part, 1 1/4 inches. Extra heavy, best malleable iron castings, bolt and nut.

No. 218 ONE-MAN



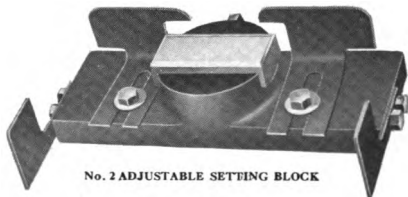
No. 218. For saw 3 1/2 feet and larger, 3 holes. No. 218A for saw 3 feet and smaller, 3 holes.

No. 118

Supplementary handle 5 1/2 inches long, 1 1/4 inches diameter, malleable iron ferrule, washer, rod and nut fastened inside.



## TOOLS FOR RE-FITTING DRAG SAWS



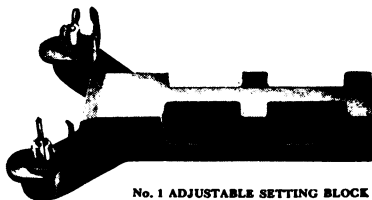
No. 2 ADJUSTABLE SETTING BLOCK

The No. 2 block is made of solid casting with removable steel anvil. Anvil has four different bevels for different patterns of saws; gauges are adjustable to the various widths of set required. Hand Saws, Crosscut Saws and Drag Saws can be set on this block.



SETTING HAMMER

A substantial hammer—steel head, hickory handle—special in form and weight for setting Drag Saws.



No. 1 ADJUSTABLE SETTING BLOCK

The No. 1 Block is made of a solid casting—Anvil has chilled face, insuring a good, hard surface; gauges are adjustable to the various widths of set required.

See discount sheet for prices

# DISSTON IMPERIAL CROSS-CUT SAW TOOLS

THIS SET OF TOOLS INCLUDES A JOINTER, RAKER-TOOTH GAUGE  
SETTING BLOCK OR ANVIL AND SET GAUGE

We call special attention to the following points in the make-up of the IMPERIAL

The parts that rest and slide on the cutting teeth of the saw, while "cutting down raker," in all tools are subject to the greatest wear. In the IMPERIAL these parts are not only made of high-grade steel and specially hardened, giving great durability, but are also easily detached by the mere loosening of a screw. This, while holding parts firmly, also permits of renewal when worn, thus prolonging efficiency of tool indefinitely, and overcoming a feature so objectionable in all other Cross-cut Saw Tools on the market.

The Raker Gauge is also made of steel and hardened to such a degree that the best superfine file will not cut it.

Another important feature, found in no other Cross-cut Saw Tool, is the improvement in the screw adjustment to set the raker gauge, whereby the gauge can be adjusted to the smallest fractional part of an inch to obtain the particular length of raker desired. When adjusted and locked with the two lock-nuts on the lower end of raker gauge, the gauge cannot work loose and will remain in its position indefinitely, requiring readjustment only when a different length of raker is desired to suit the changes necessitated by the kind of timber to be cut. Notice the long bossed rib which forms a rest for the jointer file, and affords a firm bearing. The slight curve which is given to the file insures quick, direct action on the teeth.

The material entering into the make-up of this *Imperial Cross-cut Saw Tool* is the best that can be procured for the purpose, the workmanship is most thorough, and we unhesitatingly pronounce it superior to any Cross-cut Saw Tool on the market—one that fills a long-felt want.

Imperial Cross-cut Tools, complete. See discount sheet for prices.

Setting and Sharpening (or  
"Fitting") with the

## DISSTON IMPERIAL CROSS-CUT SAW TOOLS

To properly fit up a Cross-cut Saw, it is necessary:

**First**—That the teeth be uniform in length. To accomplish this, place a file edgewise in the frame and secure it by thumbscrews. Pass the tool lightly over the teeth until file touches the shortest cutting tooth. See Fig. 1.

**Second**—Where swaged rakers are used, the swaging should follow the jointing. The two points of the rakers are first filed to sharp edges without reducing

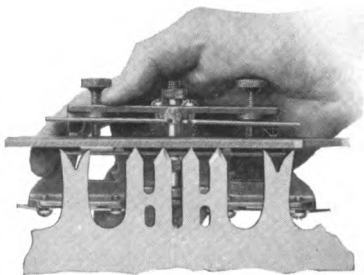


Fig. 1—JOINTING

# DISSTON IMPERIAL CROSS-CUT SAW TOOLS

their length, after which each raker point should be swaged or bent outward and downward by the use of the swaging hammer, as shown in Fig. 2, reducing the length of rakers from  $\frac{1}{16}$  to  $\frac{1}{2}$  of an inch, according to the kind of timber to be cut. The uniformity in the length or height of raker points can readily be gauged by the use of the graduated gauge as shown in Fig. 6. The faces of the gauge are marked from one to six, the gauge being held rigid by small roundhead screw; to adjust gauge loosen the screw and turn gauge so that face opposite number wanted projects above and parallel with steel plate, against which teeth of saw rest, then tighten screw. The points of rakers should just touch the face of gauge. Face marked (1) makes raker  $\frac{1}{16}$  of an inch shorter than cutting teeth; (2)  $\frac{1}{8}$ ; (3)  $\frac{3}{16}$ ; (4)  $\frac{1}{4}$ ; (5)  $\frac{5}{16}$ ; (6)  $\frac{3}{4}$ .

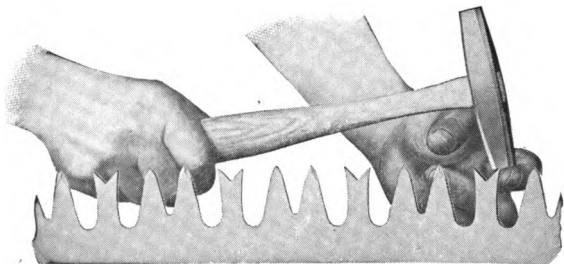


Fig. 2—METHOD OF SWAGING RAKERS

**Third**—To “fit” the straight or unswaged raker—where preferred—place the gauge over the raker teeth, as shown in Fig. 3, adjust for length of raker required, and file them down. Then file to sharp edge.

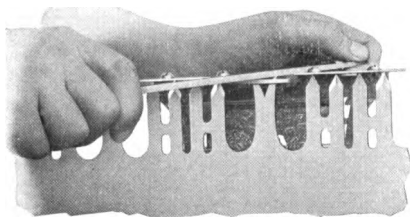


Fig. 3—FILING RAKER TOOTH

rakers should be  $\frac{1}{8}$  of an inch shorter than the cutting teeth, and graduated from  $\frac{1}{16}$  to  $\frac{1}{2}$  of an inch, according to conditions and timber when cutting softer wood.

Care should be taken to have the rakers shorter than the cutting teeth. If the rakers are too long they will not allow the cutting teeth to come in proper contact with the work and the saw will not cut freely. For the very hardest and driest woods the raker should be  $\frac{1}{16}$  part of an inch shorter than the cutting teeth. For hard green wood the

**Fourth**—When filing, bring each tooth to a keen cutting edge, taking care not to reduce the length of the tooth any more than is necessary to remove the marks of jointing. The amount of bevel to the tooth should be determined by

# DISSTON IMPERIAL CROSS-CUT SAW TOOLS

the class of timber to be cut. Hardwood requires less bevel than soft wood. Note particularly how the saw is filed when new and keep it as near that shape as possible.

**Fifth**—If a saw requires setting, lay the block or anvil, Fig. 4, on some convenient flat, solid surface and hold the saw so that the **point** of tooth projects over the beveled edge of anvil about one-quarter of an inch. Give two or three blows with a light hammer, striking the tooth always about one-quarter of an inch from point. It is very important that the "set" should be perfectly uniform, that is, exactly the same amount of set to all teeth. This can be regulated by the use of *Set Gauge*, Fig. 5.

The amount of set required is largely determined by the kind of timber to be cut and the manner in which the saw is ground. *The Disston Extra Thinback Saws* when properly filed, do not require more than  $\frac{1}{16}$  part of an inch set to each side of the saw in general sawing, and can be run with less set in hard, firm-grained timber.



FIG. 4—SETTING BLOCK

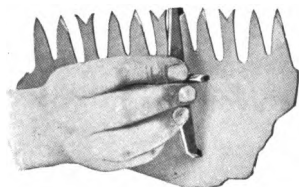


FIG. 5—SET GAUGE

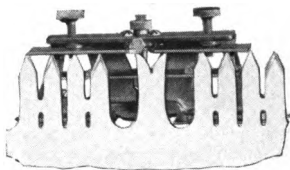


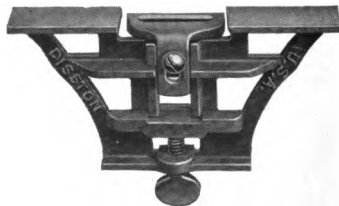
Fig. 6—GRADUATED GAUGE



## ADJUSTABLE SET GAUGE

FOR CROSS-CUT SAWS

A light and convenient gauge for regulating the set on teeth of Cross-cut and One-man Saws.



## UNIVERSAL CROSS-CUT SAW TOOLS

RAKER-TOOTH GAUGE

Includes Jointer, Raker-tooth Gauge, Setting Block or Anvil, Set Gauge and Side Dresser.

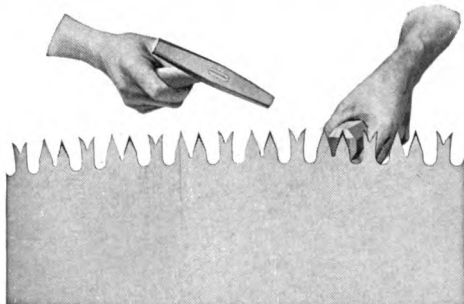
The same instructions given for the use of the *Imperial Cross-cut Saw Tools* apply to the *Universal*.

See discount sheet for prices

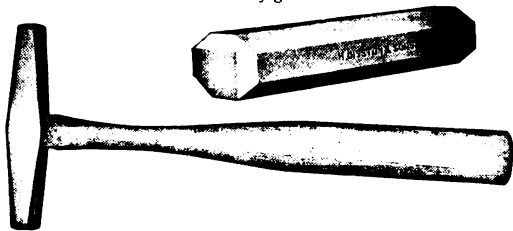
## No. 1 SETTING HAMMER AND HAND ANVIL

FOR SETTING THE TEETH OF CROSS-CUT SAWS

High Grade Cross-cut Saws are necessarily made with a special temper for the purpose of holding their set and cutting-edges the longest possible time. Being so high in temper, it is almost an impossibility to set them with the old-fashioned lever spring-setting device, hence the demand for tools that will do the work properly and with the least trouble. This led to the method illustrated below:



which is so plain in its operation that it needs no explanation. These tools are the simplest and best on the market for setting Cross-cut Saws. Both the Hammer and Anvil are made of tool steel and fully guaranteed.



The Hammer is of a weight best adapted for the setting and swaging of saw teeth. The Anvil, octagon shape, is  $1\frac{1}{2}$  inches in diameter, 5 inches long, which gives the necessary body and weight. The faces are accurately machined to give them a good true bearing and proper angles to form the set, thus enabling the filer to adjust the set to the exact degree suitable for the character of timber to be cut, the setting being done while the saw is in the vise or filing clamp.

To secure the best results from Cross-cut Saws they must be properly set and sharpened, which can only be accomplished by an experienced filer supplied with proper tools. The Setting Hammer and Anvil herewith illustrated, in connection with our Imperial Cross-cut Saw Tools, are recommended as best for the purpose.

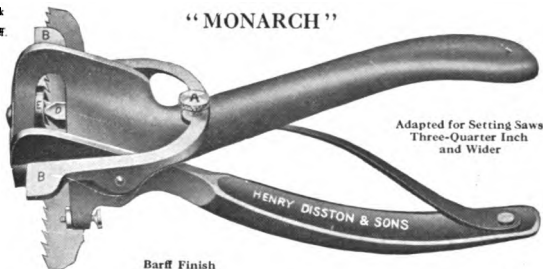
See Discount Sheet for Prices.

## SAW-SETS

SPECIALLY ADAPTED FOR HAND SAWS, CROSS-CUT SAWS,  
CIRCULAR SAWS AND ALL SMALL SAWS

Trade Mark  
Registered  
U.S. Pat. Off.

### "MONARCH"



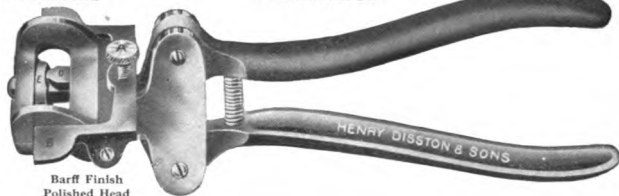
Barff Finish

No. 2 (small) .....	\$8.00 per dozen
No. 12 (medium) .....	11.00 " "
No. 20 (large) .....	15.00 " "

Packed one-half dozen in box  
Packed one in box  
Packed one in box

Trade Mark Registered  
U. S. Patent Office

### "TRIUMPH"



Barff Finish  
Polished Head

No. 8 (large) .....	\$18.00 per doz.	For Circular and Cross-cut Saws, 12 Gauge and lighter. Packed one in box.
No. 18 (med.) .....	15.00 " "	For Circular and Cross-cut Saws, 14 Gauge and lighter. Packed one in box.
No. 28 (small) .....	11.00 " "	For Hand Saws, Back Saws, Web Saws, Narrow Band Saws, etc. 10 points to the inch and coarser. Packed one-half dozen in box.
No. 280 (small) .....	11.00 " "	For Hand Saws, Back Saws, Web Saws, Butcher Saw Blades, etc., from 10 to 16 points. Packed one-half dozen in box.

The idea embodied in this Saw-set is one that will commend itself to every user of a saw-setting tool. The principal feature is the use of two plungers operated by the two levers or handles; pressure on the lower lever forcing plunger "D" against the body of the saw, thus holding it rigidly in position and preventing slipping, whilst a continuation of the pressure on the upper lever operates plunger "C" in setting the tooth.

In action it is easy and powerful, and while it will perfectly set wide and heavy saws, it is also particularly adapted for narrow blades, such as web saws, narrow band saws, etc. If the gauge "B" is properly adjusted, the result will be a uniformity of set that cannot be obtained by any other hand set.

Another important point is that the head of the set is made open, enabling the operator to quickly adjust the Saw-set to the tooth, the work being in plain view at all times. The gauge "B" for regulating depth of set has a wider bearing than in most saw-sets, thus doing away with the tendency to incline the tool to one side or the other, which would give an uneven set to the teeth. The anvil "E" is fitted with four beveled surfaces, suitable for different sizes of teeth.

In operating, first adjust the anvil so that the bevel most suitable for the size tooth to be set is brought into position; hang the Saw-set on the saw so that the gauge "B" rests on the teeth; adjust this gauge for the depth of set to be given by the use of set-screw "A." Use care not to go too deeply into the body of the tooth, as all of the set should be in the point itself. Taking too deep a hold is liable to distort the body of the blade or break out the teeth. The top of plunger "C" should be on line with the top of tooth to be set.

We claim this to be the best Hand Set ever put on the market, and a trial will convince anyone of its superior merits. If the instructions as to adjustment are carried out the results will be entirely satisfactory to the operator.



## HAND-SAW JOINTER

SPECIALLY ADAPTED FOR HAND SAWS, NARROW BAND SAWS, ETC.



When the teeth of a saw become irregular in size it is absolutely necessary to dress them down until all are of an equal height, and this should always be done before attempting to reset or sharpen the saw. To facilitate this work and insure evenness we fully recommend the above Jointer, which is simple in construction and readily adjusted.

Price, complete with file . . . \$5.75 per dozen    Extra Files . . . . . \$1.50 per dozen  
Packed one-quarter dozen in box.

## STAR SAW-SET

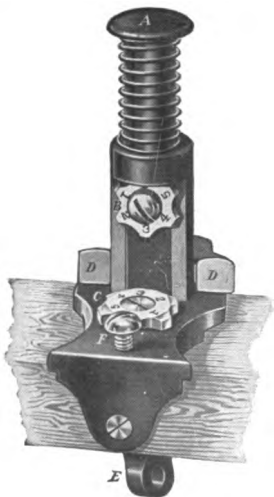
FOR HAND, BACK, BAND, WEB, WOOD AND SMALL CIRCULAR SAWS,  
NOT THICKER THAN 18 GAUGE

Prominent among the advantages claimed for this set is that it can be operated by the foot by means of a treadle, thus leaving the hands free to guide the saw; or it can be used by striking on the top with a light mallet.

A is the plunger, which can be operated by a treadle attached to E, under the machine, and a slight tap with the foot will set the tooth; B, the hammer or striking part; C, the anvil; D, the movable gauge; F, the screw to regulate the amount of set. The striking part and the anvil, or portion which receives the blow, are star-shaped, and similar in construction. The points are all of different sizes, and are numbered from 1 to 6, and are designed to set different sized teeth. It will strike a blow as sharp and effective as though done by a hammer, and is the most useful and complete saw-set that has ever been offered. If the saw is hard, several blows should be given in setting it. Raise the back of the saw from the guide-screw F, when the first blow is given, and gradually lower it with each blow until the process is complete. With each set is included a gauge for holding narrow blades, such as Web saws, etc., in position during operation of setting.

Price . . . . . \$10.00 per dozen

Packed one-quarter dozen in box.



# SAW CLAMPS

Adjustable, No. 1

Improved, No. 2

The Disston No. 1 Improved Ball and Socket Clamp is made of malleable iron, japanned. Length of jaw, 9 inches. A lever tightener, pressed downward, causes the jaws to grip the blade firmly; the reverse movement releases it.

A ball and socket adjustment permits the clamp to be placed at any angle, and holds it rigidly in position. A thumb-screw device attaches clamp to bench.

The Disston No. 2 Improved Saw Clamp is made of malleable iron, japanned; the length of jaw is 9½". It has a lever tightener so constructed that when pressing it downward the clamp grips the saw blade firmly; the reverse movement releases it. The clamp can be readily attached to a bench with the substantial thumb

screw, and it can be tilted forward or backward to any angle desired by turning a wing nut. A ratchet arrangement at the joint prevents slipping.

ADJUSTABLE, No. 1

\$11.00 per Doz.

IMPROVED, No. 2

\$9.00 per Doz.

ADJUSTABLE, No. 4

Particularly adapted for use when filing narrow band, web saws, etc. The supporting arms are adjustable, and can be regulated to suit the various widths of saws to be filed, the blade being maintained in the same position throughout and by slightly raising lever, can be moved along.

No. 4. Japanned (length of jaw, 12¾ inches).....\$18.50 per dozen

# REVOLVING SAW-SET

No. 1. Large, \$6.00  
per dozen

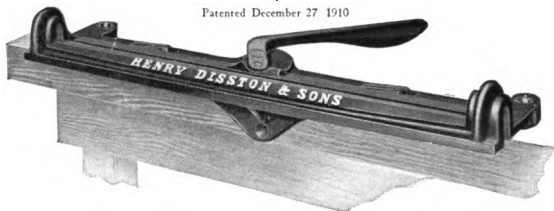
No. 2. Small, \$4.75  
per dozen

Packed one-half dozen in box

## SAW CLAMPS

### HANDY, No. 5

Patented December 27 1910



#### FASTENED TO BENCH BY SCREWS

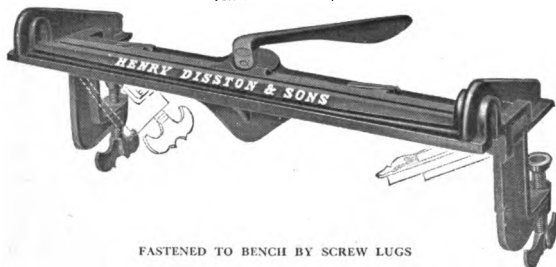
Length over all, 14½ inches. Filing length of jaw, 13 inches. Weight, 3½ lbs.

The Disston No. 5 Handy Saw Clamp is made of grey iron, japanned. The arches of the frame are re-inforced, making it strong and rigid. An eccentric lever opens and closes the jaw. A three-point pressure device gives an even, firm grip on the blade the full length of the jaw.

No. 5. Japanned . . . . . \$10.00 per dozen

### HANDY, No. 6

Patented December 27, 1910



#### FASTENED TO BENCH BY SCREW LUGS

Same pattern and dimensions as No. 5 with the addition of screw lugs for fastening to bench. These lugs fold closely to body of clamp. Weight, 5 pounds, 9 ounces.

No. 6. Japanned . . . . . \$14.00 per dozen

The Handy Saw Clamp was designed with the particular view of making it light in weight and at the same time strong and durable; to take up the least possible space and easily carried in a tool chest.

The material is grey iron, the arches are reinforced to give the requisite strength where needed. Tightened by means of the eccentric lever permits of quick and positive action. There being three points of pressure on the jaw, proper contact with the blade is obtained along the entire length without the use of rubber packing, which insures the holding of the saw-blade firmly and rigidly in position.

Packed one in pasteboard box

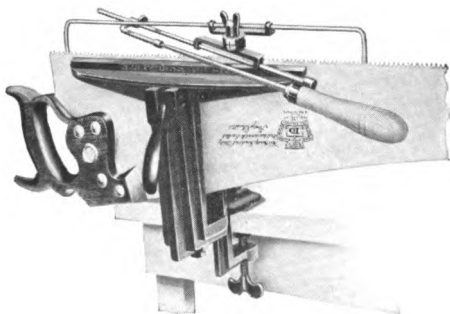
Trade Mark  
Registered  
U. S. Patent Office



## SAW FILING GUIDE

Patented Dec. 12, 1893

**ESPECIALLY DESIGNED TO ASSIST THOSE NOT SKILLED IN THE ART OF  
SAW-FILING TO FILE A SAW CORRECTLY**



### DIRECTIONS

This cut shows a saw and the guide in proper position for filing. There are three marks on the upper hub of the swivel attachment, and one mark on the other. One of the three marks shows when it is in position for one side and the other designates when it is in position for filing the other side. The third, or centre mark, shows when it is in position for filing Rip Saws. To obtain the correct position loosen the wing-nut and move the guide around to the point desired; after tightening wing-nut, loosen screw in file handle and adjust the file for the shape of tooth wanted.

A good way is to select a tooth of correct shape and let file down into it, tighten set-screw in handle, then file a tooth to see if the shape suits. If not, turn the file a little to the right or left and try another tooth until the proper shape is obtained. Then file every other tooth. When one side is filed, reverse saw and attachment and file the other teeth. For Rip Saws, place the file at right angles with the saw, as mentioned above, and file every tooth. Always keep the file as nearly horizontal as possible. USE A  $5\frac{1}{2}$ -INCH DISSTON SLIM TAPER FILE.

Length of jaw,  $12\frac{1}{2}$  inches. Price includes Clamp, Filing Guide, File and Handle.

**D3 Guide and Clamp, complete.....\$30.00 per dozen**

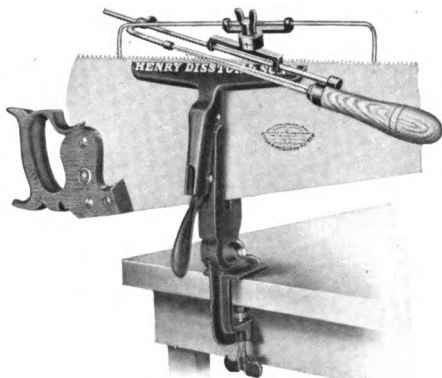
Packed one in wooden box, weight 20 pounds.

Trade Mark Registered  
U. S. Patent Office

## D

### SAW FILING GUIDE

Patented December 12, 1893.

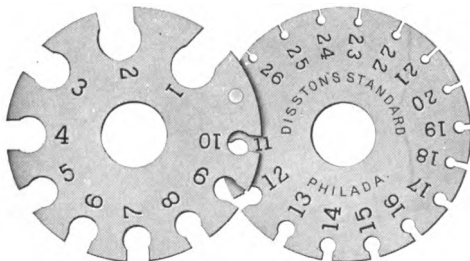


For instructions as to use, see D3, page 120. Length of jaw,  $9\frac{1}{2}$  inches. Price includes D2 Guide, Clamp, File and Handle, complete. . . . . \$24.00 per dozen

Packed one in pasteboard box. Weight, 7 pounds each.

Where a heavier and stronger clamp is wanted, we recommend the D3.

### STANDARD WIRE GAUGE, No. 5



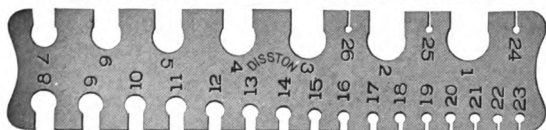
No. 5. 1 to 26. . . . . \$32.00 per dozen

Packed half-dozen in box.

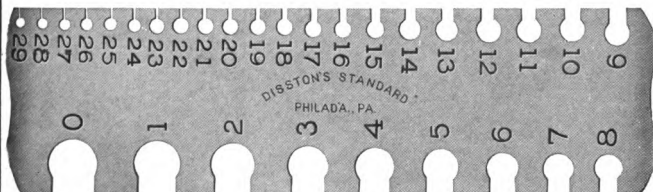
# DISSTON STANDARD WIRE GAUGES

PERFECTION ATTAINED

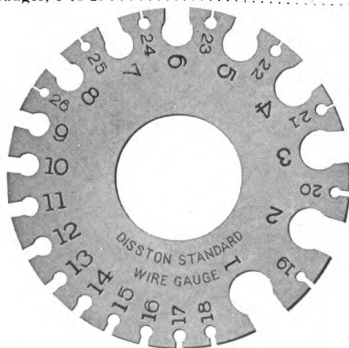
ACCURACY GUARANTEED



No. 1. Small Gauges, 1 to 26. . . . . \$20.00 per dozen



No. 2. Large Gauges, 0 to 29. . . . . \$35.00 per dozen



No. 3. 0 to 29. . . . . \$28.00 per dozen

" 4. 1 to 26. . . . . 25.00 "

To insure perfect accuracy, it is absolutely requisite that our gauge and that of our customers should be alike, and to this end we have been compelled to enter the field in this delicate branch of manufacture. Our success is complete, and we are making a correct standard gauge, which we warrant, and sell at a low price.

ALL GAUGES MADE TO STUBB'S OR BIRMINGHAM STANDARD

Packed half-dozen in box

# CABINET PATTERN WEBS

Length	Thickness	$\frac{3}{4}$ to $\frac{1}{2}$ Wide	$\frac{3}{4}$ to $1\frac{1}{4}$ Wide	$1\frac{1}{4}$ to $1\frac{1}{2}$ Wide	$1\frac{1}{4}$ to 2 in. Wide
18 inch	23 gauge	\$4.20	\$4.80	\$5.20	\$5.80 per dozen
20 "	23 "	4.40	5.00	5.40	6.00 "
22 "	23 "	4.60	5.20	5.60	6.40 "
24 "	23 "	4.80	5.40	5.80	6.80 "
26 "	23 "	5.10	5.80	6.20	7.20 "
28 "	23 "	5.40	6.20	6.60	7.60 "
30 "	23 "	5.80	6.60	7.20	8.20 "
32 "	22 "	6.20	7.00	7.80	8.80 "
34 "	22 "	6.60	7.40	8.40	9.40 "
36 "	22 "	7.00	7.80	9.00	10.00 "

All above Webs are set and sharpened

# CABINET PATTERN WEBS

## EXTRA THIN BACK

Length	Thickness on Toothed Edge	Thickness on Back Edge	$\frac{3}{4}$ to $\frac{1}{2}$ Wide	$\frac{3}{4}$ to $1\frac{1}{4}$ Wide	$1\frac{1}{4}$ to $1\frac{1}{2}$ Wide	$1\frac{1}{4}$ to 2 in. Wide
18 inch	23 gauge	25 gauge	\$5.00	\$5.60	\$6.00	\$6.60 per dozen
20 "	23 "	25 "	5.20	5.80	6.20	6.80 "
22 "	23 "	25 "	5.40	6.00	6.40	7.20 "
24 "	23 "	25 "	5.60	6.20	6.60	7.60 "
26 "	23 "	25 "	5.90	6.60	7.00	8.00 "
28 "	23 "	25 "	6.20	7.00	7.40	8.40 "
30 "	23 "	25 "	6.60	7.40	8.00	9.00 "
32 "	22 "	24 "	7.00	7.80	8.60	9.60 "
34 "	22 "	24 "	7.40	8.20	9.20	10.20 "
36 "	22 "	24 "	7.80	8.60	9.80	10.80 "

All above Webs are set and sharpened

Five per cent. extra for each gauge heavier than the above.

Five per cent. extra for each gauge lighter than the above.

Twenty per cent. extra for Webs toothed over 10 points per inch.

Twenty-five per cent. extra for Webs toothed over 15 points per inch.

Cabinet Webs heavier than 20 gauge special price.

Cabinet Webs lighter than 25 gauge special price.

Webs with cut tangs, advance 55c. per dozen on above prices.

Webs with tangs "riveted" on, advance 80c. per dozen on above prices.

Webs with cross-cut saw tabs "riveted" on, advance \$1.30 per doz. on above prices.

Specify whether "cut" or "riveted" tangs are wanted, otherwise cut tangs will be sent.

Webs for Cabinet Frames are six inches longer than size of frame, there being a cut tang of three inches on each end; i. e., a 20-inch Cabinet Frame will take a 20-inch Cabinet Web with three-inch cut tang on each end.

## TURNING OR CHAIR WEBS

SET AND SHARPENED READY FOR USE

**DISSTON**

Length Inch	Gauge	Price Per Doz.	Widths	7 In	8 In	9 In	10 In	11 In	12 In	13 In	14 In	15 In
6	23	\$2.40	$\frac{3}{16}$ to $\frac{1}{4}$	10	9	7 $\frac{1}{2}$	7	..	..	..	..	..
7	22	2.50	$\frac{3}{16}$ " $\frac{1}{4}$	10	9	7 $\frac{1}{2}$	7	..	..	..	..	..
8	22	2.60	$\frac{3}{16}$ " $\frac{1}{4}$	10	9	7 $\frac{1}{2}$	7	..	..	..	..	..
10	22	2.80	$\frac{3}{16}$ " $\frac{1}{4}$	10	9	7 $\frac{1}{2}$	7	..	..	..	..	..
12	21	3.00	$\frac{3}{16}$ " $\frac{1}{4}$	10	9	7 $\frac{1}{2}$	7	..	..	..	..	..
14	21	3.20	$\frac{3}{16}$ " $\frac{1}{4}$	10	8	7 $\frac{1}{2}$	7	..	..	..	..	..
16	20	3.60	$\frac{1}{4}$ " $\frac{3}{8}$	10	8	7 $\frac{1}{2}$	7	..	..	..	..	..
18	20	4.00	$\frac{1}{4}$ " $\frac{3}{8}$	10	8	7 $\frac{1}{2}$	7	..	..	..	..	..
20	20	4.50	$\frac{1}{4}$ " $\frac{3}{8}$	10	8	7 $\frac{1}{2}$	7	..	..	..	..	..
22	20	5.00	$\frac{1}{4}$ " $\frac{5}{8}$	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	..	..
24	19	5.60	$\frac{1}{4}$ " $\frac{3}{4}$	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	..	..
26	19	6.20	$\frac{1}{4}$ " $\frac{3}{4}$	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	..	..
28	19	6.90	$\frac{1}{4}$ " $\frac{7}{8}$	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	..	..
30	19	7.60	$\frac{1}{4}$ " 1	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	5	5
32	18	8.40	$\frac{1}{4}$ " 1	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	5	5
34	18	9.20	$\frac{1}{4}$ " 1	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	5	5
36	18	10.00	$\frac{1}{4}$ " 1	..	8	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5 $\frac{1}{2}$	5	5

One gauge heavier than above list, no extra charge.

When two gauges heavier than above list, Felloe Web prices will be charged.  
Extra width, 10 per cent. additional for each  $\frac{1}{4}$  inch.

With pins, 85c per dozen additional, list.

## FAY'S PATENT SCROLL SAWS

**DISSTON**

8	9	10	11	12	13	inches
\$3.60	4.00	4.40	4.80	5.20	5.60	per dozen
14	16	18	20	22	24	inches
\$6.00	6.60	7.20	7.80	8.60	9.60	per dozen

Fay Webs to 16 inches, over  $\frac{3}{4}$  inch wide, and from 18 to 24 inches, over 1 inch wide, extra price.

Fay Webs made from 13 to 16 gauge in thickness.



## FELLOE WEBS

SET AND SHARPENED READY FOR USE

**DISSTON**

Length Inch	Gauge	Price Per Doz.	Widths	$\frac{1}{8}$ In.	$\frac{1}{4}$ In.	Number $\frac{3}{8}$ In.	Points to $\frac{1}{2}$ In.	$\frac{3}{8}$ In.	$\frac{1}{4}$ In.	1 In.
6	19	\$2.60	$\frac{3}{16}$ to $\frac{1}{2}$	9	8	$6\frac{1}{2}$	6	..	..	..
7	19	2.80	$\frac{3}{16}$ " $\frac{1}{2}$	9	8	$6\frac{1}{2}$	6	..	..	..
8	19	3.00	$\frac{3}{16}$ " $\frac{1}{2}$	9	8	$6\frac{1}{2}$	6	..	..	..
10	18	3.40	$\frac{3}{16}$ " $\frac{1}{2}$	9	8	$6\frac{1}{2}$	6	..	..	..
12	18	3.80	$\frac{1}{4}$ " $\frac{1}{2}$	9	8	$6\frac{1}{2}$	6	..	..	..
14	17	4.20	$\frac{1}{4}$ " $\frac{1}{2}$	9	7	$6\frac{1}{2}$	6	..	..	..
16	17	4.80	$\frac{1}{4}$ " $\frac{5}{8}$	9	7	$6\frac{1}{2}$	6	..	..	..
18	17	5.40	$\frac{1}{4}$ " $\frac{5}{8}$	9	7	$6\frac{1}{2}$	6	..	..	..
20	17	6.00	$\frac{1}{4}$ " $\frac{3}{4}$	9	7	$6\frac{1}{2}$	6	..	..	..
22	17	6.60	$\frac{1}{4}$ " $\frac{3}{4}$	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
24	17	7.40	$\frac{1}{4}$ " $\frac{7}{8}$	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
26	17	8.20	$\frac{1}{4}$ " $\frac{7}{8}$	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
28	17	9.00	$\frac{1}{4}$ " 1	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
30	16	9.80	$\frac{1}{4}$ " 1	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
32	16	10.80	$\frac{1}{4}$ " 1	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
34	16	11.80	$\frac{1}{4}$ " 1	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$
36	16	12.80	$\frac{1}{4}$ " 1	..	7	$6\frac{1}{2}$	6	$5\frac{1}{2}$	5	$4\frac{1}{2}$

This list is for saws ground three gauges thin on back.

One gauge heavier than above list, no extra charge.

Five per cent. extra for each additional gauge to 14 gauge; above 14 gauge, special prices. Extra width, 10 per cent. for each  $\frac{1}{4}$  inch.

All Web saws  $\frac{1}{2}$  inch and narrower will be made with wide ends to give strength at hole; price 25% advance; with pins 85 cents per dozen additional, list.

## CANADIAN WEB SAWS

REGULAR STOCK 20 GAUGE



Blades 36 inches in length and under made with regular wood-saw peg teeth.

Blades over 36 inches in length made peg teeth with square gullets.

Prices on above saws furnished upon application

## GIN ROLLER BLADES

42 inches x 3 $\frac{1}{4}$ in. wide x $\frac{1}{8}$ in. thick, $\frac{5}{8}$ in. straight bevel. . . . .	\$32.00 per dozen
54 " x 4 " " x $\frac{1}{16}$ " " $\frac{9}{16}$ " " " " . . . . .	36.00 "
60 " x 4 " " x $\frac{3}{32}$ " " $\frac{9}{16}$ " " " " . . . . .	46.00 "
72 " x 4 $\frac{1}{2}$ " " x $\frac{3}{32}$ " " $\frac{5}{8}$ " " " " . . . . .	60.00 "

If concave bevel, add 25 per cent. to the above list

Prices for sizes other than the above will be furnished upon application

## DOCTOR BLADES

OR CALICO-PRINTERS' WEBS

33 inches x 2 $\frac{1}{2}$ inches x 19 to 24 gauge. . . . .	\$6.75 per dozen
36 " x 2 $\frac{1}{2}$ " x 19 " 24 " . . . . .	7.50 "
42 " x 2 $\frac{1}{2}$ " x 19 " 24 " . . . . .	8.50 "
44 " x 2 $\frac{1}{2}$ " x 19 " 24 " . . . . .	9.00 "
46 " x 2 $\frac{1}{2}$ " x 19 " 24 " . . . . .	9.50 "
48 " x 2 $\frac{1}{2}$ " x 19 " 24 " . . . . .	10.00 "

For each additional inch in length, 5 per cent. extra

33 inches x 3 inches x 19 to 24 gauge. . . . .	\$7.75 per dozen
36 " x 3 " x 19 " 24 " . . . . .	8.50 "
42 " x 3 " x 19 " 24 " . . . . .	10.00 "
44 " x 3 " x 19 " 24 " . . . . .	10.50 "
46 " x 3 " x 19 " 24 " . . . . .	11.00 "
48 " x 3 " x 19 " 24 " . . . . .	11.75 "

For each additional inch in length, 5 per cent. extra

33 inches x 3 $\frac{1}{2}$ inches x 19 to 24 gauge. . . . .	\$8.75 per dozen
36 " x 3 $\frac{1}{2}$ " x 19 " 24 " . . . . .	9.50 "
42 " x 3 $\frac{1}{2}$ " x 19 " 24 " . . . . .	11.00 "
44 " x 3 $\frac{1}{2}$ " x 19 " 24 " . . . . .	11.75 "
46 " x 3 $\frac{1}{2}$ " x 19 " 24 " . . . . .	12.50 "
48 " x 3 $\frac{1}{2}$ " x 19 " 24 " . . . . .	13.50 "

For each additional inch in length, 5 per cent. extra

For each gauge heavier, 5 per cent. extra

**HENRY DISSTON**  
 ORIGINATED AND PATENTED THE  
**SKEWBACK HANDSAW**

JUNE 23, 1874



*"For Beauty, Finish, and Utility,  
 this Saw cannot be Excelled."*

*Henry Disston*

(THE ONLY ORIGINAL BRAND THEN AND NOW)

**DISSTON HAND SAWS**

are manufactured throughout at the Disston Works. The steel, high-grade Crucible Steel, is made in the Disston Steel Works after a formula demonstrated by years of experience to be particularly adapted for Hand Saws; the blades, properly shaped, are hardened and tempered under the exclusive Disston processes; accurately ground by the special Disston method, insuring uniformity, giving an even thickness along the entire tooth-edge, tapering thinner to the back and from handle to point, requiring very little set to the teeth for clearance of the body of blade in the cut, thus making a narrow kerf and easy running; accurately tensioned for true cutting, the teeth of right shape, evenly set and sharpened for fast, smooth work; while the handles, made of selected lumber, long and well-seasoned, are symmetrical in all proportions, formed with a comfortable handhold and each securely fastened on its blade in such a position as to give the correct "hang" or pitch to the saw when entering the work, making it feel light and well balanced, feeding into the wood with the least exertion.

These are the points of merit by which Disston Saws have earned and maintained long-continued supremacy for high Quality, excellence of Workmanship and greatest Efficiency.

The Brand *Disston* is reserved exclusively for the high-grade goods which are never sent out under any other brand.

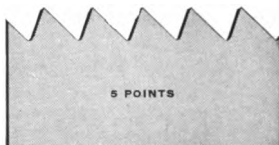
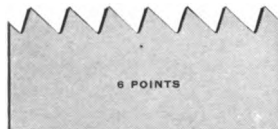
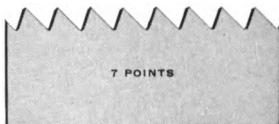
**SAWS AND TOOLS BEARING THE BRAND  
 "DISSTON" CARRY A FULL GUARANTEE**

## ORDER ALL HAND SAWS BY THE NUMBER OF POINTS TO THE INCH

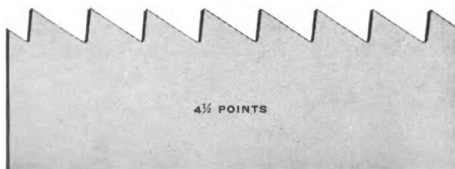
The following cuts are full size of the respective number of teeth and points per inch which they represent. It will be noticed that in one inch space, there is **one tooth less** than there are **points**.

Rip Saw Teeth six points and coarser are graduated from butt to point of blade, the narrow end being one point to the inch finer than at butt; the "points" being measured at butt of blade.

### CROSS-CUT TEETH



### RIP TEETH



**In determining what point of saw will best answer your requirements,** remember that a saw with a few tooth-points to the inch (say 6 or 7) will cut fast and make a comparatively rough or coarse cut. These points are commonly used for ordinary construction work and similar rough sawing. The saws with many tooth-points to the inch (10 or 11) will make smooth, even cuts and are used mostly for interior finishing, furniture making, etc.

The degree of seasoning in the wood to be cut must be considered also, in determining what point to use. Green, wet wood requires a coarse saw (few points to the inch) while a fine tooth-point saw can be used to advantage in dry, seasoned lumber.

Hand saws for cross-cutting are made in sizes varying from 5 to 11 tooth-points to the inch. The 7, 8 or 9 point saws, which are medium, are in greatest demand and are most satisfactory for ordinary work.

In measuring the number of teeth in a saw, the cutting edge is measured from point of tooth to point of tooth and we speak of the saw as having so many "points to the inch"—meaning so many tooth-points to the inch. See illustration of "points" to inch on opposite page.

In rip saws for ordinary work, 5,  $5\frac{1}{2}$  or 6 points to the inch are the standard sizes and from this basis they are purchased with fewer points when fast, rough cutting is desired and with more points when careful, accurate cutting is necessary.

**Length of Saw to be Used.** The length of a rip or cross-cut hand saw is always measured by the length of the cutting edge. For instance, a 26-inch saw means a saw measuring 26 inches long on the cutting edge of the blade. There seems to be a general impression among the inexperienced that all hand saws for cross-cutting are 26 inches long and all rip saws 28 inches long. This is not a fact. Both cross-cut and rip saws are made in a variety of lengths, as the following pages will show. The terms "cross-cut" and "rip" refer to the shape and style of the teeth only and not to the length of the saw.

**The Difference Between Cross-cut and Rip Saws.** Hand saws are divided into two main classes—the cross-cut saw for cutting across the grain of the wood and the rip saw for ripping or cutting with the grain. The difference between these two classes of hand saws is in the shape of the teeth; one being designed to cut across the grain with an action similar to a number of small knife blades, and the other for ripping apart when cutting parallel to the grain with an action like that of many chisels.

**The Difference Between Skew-Back and Straight-Back Saws.** The terms skew-back and straight-back refer entirely to the shape of the back of the blade. The skew-back blade is cut on a curved line at the back as is illustrated in the D-8 saw, page 134, while the straight-back blade, as the name implies, is cut on a straight line from butt to point. The advantage of one over the other is almost entirely a matter of personal preference. The skew-back blade is slightly lighter in weight. A straight-back gives the blade more "body" or stiffness. Therefore, men who use an especially heavy thrust pressure sometimes prefer the straight-back saw.

# DISSTON

**WARRANTED EXTRA REFINED LONDON SPRING STEEL, PATENT GROUND AND**

**TEMPERED, HAND, PANEL AND RIP SAWS**

Trade Mark Registered  
U. S. Patent Office

**D115**



This is the latest and finest Handsaw ever made. Genuine Rosewood handle, carved and polished. The blade is Disston Skewback design, exceptionally high finish, made from Disston Highest quality Crucible Steel, and fastened in the handle with nickel-plated screws. Our many years' experience and wide knowledge in the making of a perfect saw steel has enabled us to produce a blade for this saw that cannot be duplicated elsewhere. Packed one in Special Box.

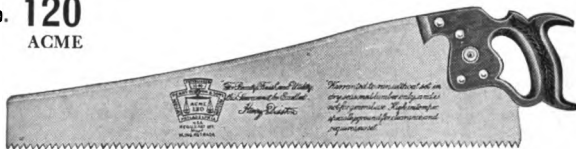
Manufactured only in the following lengths and points :

<b>Cross Cut</b>	20 inches.....	10, 11 points,	\$30.00 per dozen
	22 ".....	10, 11 "	32.00 " "
	24 ".....	9, 10, 11 "	34.00 " "
	26 ".....	7, 8, 9, 10, 11 "	36.00 " "
<b>Rip</b>	26 ".....	5, 5½, 6 "	36.00 " "

**D15** same as D-115, except straight back. Manufactured only in the following lengths and points:

<b>Cross Cut</b>	24 inches.....	8, 9, 10 points,	\$34.00 per dozen
	26 ".....	7, 8, 9, 10, 11 "	36.00 " "
<b>Rip</b>	26 ".....	5½, 6 "	36.00 " "

No. **120**  
ACME



Acme Skewback, Extra Refined London Spring Steel, Selected and Highly Polished Blade, War-  
ranted, Apple Handle, Carved and Polished, Brass Screws.

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	20 inches.....	10, 11 points,	\$26.00 per dozen
	22 ".....	10, 11 "	29.00 " "
	24 ".....	9, 10, 11 "	31.00 " "
	26 ".....	7, 8, 9, 10, 11 "	32.00 " "
<b>Rip</b>	26 ".....	5, 5½, 6 "	32.00 " "
	28 ".....	5, 5½, 6 "	36.00 " "

Thumbhole in handle of 28-inch

NOTE: A fast, smooth-cutting saw; particularly adapted for fine cabinet work, sawing mitres, and in all instances where rapid, smooth cutting is required. It will cut a joint sufficiently smooth to glue without planing. In sharpening, care must be used to file the teeth at the same angle as they leave the factory. These saws are warranted to run without set in dry, seasoned lumber only, and are not for general use. They are high in temper, specially ground for clearance and require no set.

To properly file the No. 120 saw, a DISSTON SIX-INCH CANT SAFE BACK FILE, made expressly for this purpose, should be used.

For number of screws in Disston Saws, see page 163

Packed one-third dozen in box

## DISSTON

**WARRANTED EXTRA REFINED LONDON SPRING STEEL, PATENT  
GROUND AND TEMPERED. HAND, PANEL AND RIP SAWS**

**No. 112**



**Skewback, Extra Refined London Spring Steel, Selected and Highly Polished Blade, Warranted, Apple Handle, Carved and Polished, Brass Screws.**

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	20 inches	.....	10, 11 points	\$24.00 per dozen
	22 "	.....	9, 10 "	26.00 " "
	24 "	.....	8, 9, 10 "	28.00 " "
	26 "	.....	7, 8, 9, 10 "	30.00 " "
<b>Rip</b>	26 "	.....	5, 5½, 6 "	30.00 " "
	28 "	.....	5, 5½, 6 "	34.00 " "

**No. 12**



**Extra Refined London Spring Steel, Selected and Highly Polished Blade, Warranted, Apple Handle, Carved and Polished, Brass Screws.**

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	18 inches	.....	10, 11 points	\$20.75 per dozen
	20 "	.....	8, 9, 10, 11 "	23.00 " "
	22 "	.....	8, 9, 10, 11 "	25.00 " "
	24 "	.....	7, 8, 9, 10, 11 "	27.00 " "
	26 "	.....	6, 7, 8, 9, 10, 11 "	29.00 " "
	28 "	.....	5, 6, 7, 8 "	33.00 " "
<b>Rip</b>	24 "	.....	5, 5½, 6, 7 "	27.00 " "
	26 "	.....	5, 5½, 6, 7 "	29.00 " "
	28 "	.....	5, 5½, 6 "	33.00 " "

**For number of screws in Disston Saws, see page 163**

**Packed one-third dozen in box**

# DISSTON

**WARRANTED EXTRA LONDON SPRING STEEL, PATENT GROUND AND TEMPERED, HAND, PANEL AND RIP SAWS**

**No. 16**



**Refined Crucible Steel, Grained Blade, Warranted, Close-up Apple Handle, Carved and Polished, Brass Screws.**

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	20 inches	.....	9, 10, 11 points,	\$18.00 per dozen
	22 "	.....	8, 9, 10, 11 "	20.00 " "
	24 "	.....	7, 8, 9, 10, 11 "	21.50 " "
	26 "	.....	6, 7, 8, 9, 10 "	22.50 " "
<b>Rip</b>	26 "	.....	5, 5½, 6 "	22.50 " "
	28 "	.....	5, 5½, 6 "	25.50 " "

Trade Mark Registered  
U. S. Patent Office

**D17**

Patent applied for



**D D D**  
DISSTON DOUBLE DUTY

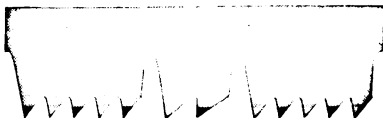


**Skewback, Refined Crucible Steel Blade, Warranted. Hardwood Handle, full Polished, Brass Screws.**  
The combination of teeth in this saw, alternate sections of five regular cross-cutting teeth and two ripping teeth, separated by numerous deep gullets for full clearance, insures free running, easy, very rapid and clean cutting in heavy work, whether cross-cutting or ripping, and especially for sawing diagonally across the grain, as its name implies.

This saw is particularly adapted for general construction work of all kinds; studding-up houses, shoring for sewers, making forms for concrete buildings, railroad work, millwright, farm use, etc.

The Disston Double Duty Saw far excels any other pattern of saw ever made for like utility, and is easily kept in order.

Enlarged sections of teeth



**D17. Skewback made in 26-inch length only .....\$25.00 per dozen**

**For number of screws in Disston Saws, see page 163**

**Packed one-third dozen in box**



# DISSTON

**WARRANTED REFINED CRUCIBLE STEEL, PATENT GROUND AND  
TEMPERED, HAND, PANEL AND RIP SAWS**

**Refined Crucible Steel, Highly Polished Blade, Warranted, Apple Handle,  
Carved and Polished, Brass Screws.**



26-inch Blade,  $6\frac{1}{2}$  inches wide at butt,  $1\frac{1}{4}$  inches at point

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	24 inches	.....	8, 9, 10, 11 points,	\$23.50 per dozen
	26 "	.....	7, 8, 9, 10, 11 "	25.00 " "
<b>Rip</b>	26 "	.....	5, $5\frac{1}{2}$ , 6 "	25.00 " "

The D-20 saw is made particularly for those who prefer a narrow width blade. This blade, skew back in design, is  $1\frac{1}{4}$  inches wide at the point and  $6\frac{1}{2}$  inches at the butt instead of  $2\frac{1}{2}$  inches at the point and  $6\frac{1}{2}$  inches at the butt as in full width saws. This makes the D-20 a very light and easy saw to operate. This feature, together with the comfortable grip, makes the D-20 a favorite with some users.



26-inch Blade,  $6\frac{1}{2}$  inches wide at butt,  $1\frac{1}{4}$  inches at point

Same as D-20, except straight back.

Manufactured only in the following lengths and points :

<b>Cross Cut</b>	24 inches	.....	8, 9, 10, 11 points,	\$23.50 per dozen
	26 "	.....	7, 8, 9, 10, 11 "	25.00 " "
<b>Rip</b>	26 "	.....	5, $5\frac{1}{2}$ , 6 "	25.00 " "

**For number of screws in Disston Saws, see page 163**

**Packed one-third dozen in box**

## DISSTON

**WARRANTED REFINED CRUCIBLE STEEL, PATENT GROUND AND TEMPERED, HAND, PANEL AND RIP SAWS**

Trade Mark Registered  
U. S. Patent Office

**"D"**



This is the original Skewback Saw, and has proved to be the most popular saw in the world. Skewback, Refined Crucible Steel blade, Warranted; Apple handle, full Polished, Brass screws.

These Saws have all the latest improvements in hand saws, and are warranted superior. They combine the popular "Skewback," the peculiar shaped butt or heel which, with the new screws, make it almost impossible to work loose from the handle, and gives the full sweep of the Saw without the possibility of catching in the work. This saw was originated and patented by HENRY DISSTON in 1874.

Thumb-hole in handle of 26" rip, and larger; also in 28" hand.

Manufactured only in the following lengths and points:

Cross Cut	16 inches	18 "	20 "	22 "	24 "	26 "	28 "	Points	Price
								9, 10	\$14.75 per dozen
								11 "	16.25 " "
								8, 9, 10, 11 "	18.00 " "
								8, 9, 10, 11 "	20.00 " "
								7, 8, 9, 10, 11 "	21.50 " "
								5, 5½, 6, 6½, 7, 8, 9, 10, 11 "	22.50 " "
								5, 6, 7, 8 "	25.50 " "
Rip	20 "	22 "	24 "	26 "	28 "			7 "	18.00 " "
								7 "	20.00 " "
								5, 5½, 6, 7 "	21.50 " "
								4½, 5, 5½, 6 "	22.50 " "
								3½, 4, 4½, 5, 5½, 6 "	25.50 " "

Trade Mark Registered  
U. S. Pat. Office

**"D"**



Skewback, Refined Crucible Steel, Highly Polished Blade, Warranted, Apple Handle, Carved and Polished, Brass Screws.

Thumb-hole in 26" rip, and larger.

Manufactured only in the following lengths and points:

Cross Cut	20 inches	22 "	24 "	26 "	28 "	Points	Price
						10, 11	\$20.00 per dozen
						9, 10, 11 "	22.00 " "
						8, 9, 10, 11 "	23.50 " "
						7, 8, 9, 10, 11 "	25.00 " "
Rip	26 "	28 "				5, 5½, 6 "	25.00 " "
						5½ "	28.00 " "

For number of screws in Disston Saws, see page 163

Packed one-third dozen in box

## DISSTON

**WARRANTED EXTRA REFINED LONDON SPRING STEEL, PATENT  
GROUND AND TEMPERED, HAND, PANEL AND RIP SAWS**

### CENTENNIAL, No. 76

Trade Mark Registered  
U. S. Patent Office



**No. 76, Centennial.** Skewback, Crucible Steel Blade, Warranted, Apple Handle, Polished, Brass Screws.

Manufactured only in the following length and points :

**Cross Cut** 26 inches..... 6, 7, 8, 9, 10 points, \$21.00 per dozen

## THE ORIGINAL HENRY DISSTON SAW

**No. 7**



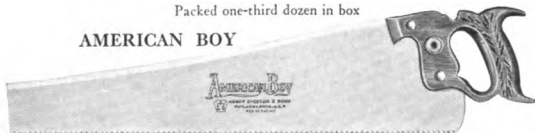
**Crucible Steel, Grained Blade, Warranted, Beech Handle, full Polished, Brass Screws.**

Manufactured only in the following lengths and points :

INCHES	CROSS CUT	PER DOZEN	INCHES	RIP	PER DOZEN
16.....	9, 10 points,	\$13.00	20.....	7 points,	\$16.00
18.....	9, 10, 11 "	14.00	22.....	5½, 6, 7 "	18.00
20.....	8, 9, 10, 11 "	16.00	24.....	5, 5½, 6, 7 "	19.00
22.....	8, 9, 10, 11 "	18.00	26.....	5, 5½, 6, 7 "	20.00
24.....	7, 8, 9, 10 "	19.00	28.....	4, 4½, 5, 5½ "	23.50
26.....	5, 5½, 6, 6½, 7, 8, 9, 10 "	20.00			
28.....	5, 6, 7, 8 "	23.50			

Packed one-third dozen in box

### AMERICAN BOY



The "American Boy" Saw is packed in an unusual box (each saw in an individual package), that adds much to its attractiveness.

The blade is made of the famous Disston-made Steel. The handle is of nicely carved and and polished hardwood, fastened to the blade with three brass screws.

Made either straight or skewback.

**Cross Cut** 20 inches..... 9 points.

**For number of screws in Disston Saws, see page 163.**

# HAND SAWS

WARRANTED CRUCIBLE STEEL, PATENT GROUND AND TEMPERED,  
HAND, PANEL AND RIP SAWS

Grained Blade, Beech Handle, Polished Edge, Brass Screws

Trade Mark Registered  
U. S. Patent Office

## No. 3 "BROWN'S"



14	16	18	20	22	24	26	28	30	inches
\$7.25	8.25	9.25	10.50	11.50	12.50	13.50	16.50	19.50	per dozen

Trade Mark Registered  
U. S. Patent Office

## No. 1 "C. BISHOP"



14	16	18	20	22	24	26	28	30	inches
\$6.50	7.50	8.00	9.00	10.00	11.00	12.00	14.00	16.00	per dozen

Trade Mark Registered  
U. S. Patent Office

## No. 0 "T. TAYLOR"



12	14	16	18	20	22	24	26	28	30	inches
\$5.75	6.25	6.75	7.50	8.00	8.75	9.50	10.00	11.00	12.00	per dozen

Trade Mark Registered  
U. S. Patent Office

## No. 00 "JACKSON"



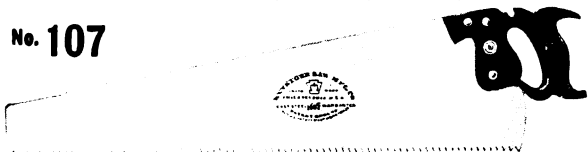
12	14	16	18	20	22	24	26	28	30	inches
\$4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	9.00	10.00	per dozen

For number of screws in saws, see page 163  
Packed one-third dozen in box

# DISSTON

WARRANTED REFINED CRUCIBLE STEEL, PATENT GROUND AND  
TEMPERED. HAND, PANEL AND RIP SAWS

No. 107



Crucible Steel, Grained Blade, Warranted, Beech Handle, Polished Edge, Brass  
Screws. Equal to any saw manufactured that is not branded "Disston."

14	16	18	20	22	24	26	28	30	inches
\$10.25	11.25	12.50	14.00	15.50	16.50	17.50	20.50	23.50	per doz.

## GAUGE SAW



Adapted to tenoning, shouldering, dovetailing, curving, cog-cutting, or any purpose where a definite  
depth of cut is required. Same quality as Disston, No. 7.

26 inches.....\$25.00 per dozen

This Gauge can be placed on any DISSTON SAW at an advance of \$5.00 per dozen.

## REMOVABLE-BACK SAW



This saw can be used with equal facility for either Hand or Back Saw. When the back, A, is re-  
moved the saw can be used as a Hand Saw. Replace the back and a first-class Back Saw is the result.  
Same quality as Disston, No. 7.

16	18	20	22	24	26	inches
\$16.75	18.00	20.00	22.50	24.00	25.00	per dozen

This Back can be placed on any STRAIGHT-BACK DISSTON SAW at an advance of \$5.00  
per dozen for all lengths.

Made with Cross-cut or Rip Teeth at same price  
For number of screws in Disston Saws, see page 163.

Packed one-third dozen in box

# DISSTON

**WARRANTED EXTRA REFINED LONDON SPRING STEEL, PATENT GROUND  
AND TEMPERED, HAND, PANEL AND RIP SAWS**

**Regular Hand Saws made in ship patterns as follows:**

**No. 7  
SHIP PATTERN  
SAW**



## No. 7 SHIP PATTERN SAW

Same as No. 7, except made with narrow blade—6½" at butt; 1½" at point.

**Cross Cut** 26 inches.....7, 8, 9, 10 points, \$20.00 per dozen

## D-8 SHIP PATTERN SAW

Same as D-8, except made with narrow blade—6" at butt; 1½" at point.

**Cross Cut** 26 inches.....7, 8, 9, 10 points, \$22.50 per dozen

## No. 12 SHIP PATTERN SAW

Same as No. 12, except made with narrow blade—6½" at butt; 1½" at point.

**Cross Cut** 26 inches.....7, 8, 9, 10, 11 points, \$29.00 per dozen

**Rip** 26 " .....5, 5½, 6 " 29.00 " "

## No. 16 SHIP PATTERN SAW

Same as No. 16, except made with narrow blade—6½" at butt; 1½" at point.

**Cross Cut** 26 inches.....7, 8, 9, 10 points, \$22.50 per dozen

Trade Mark Reg.  
U. S. Pat. Office

**"D"**

**SHIP PATTERN  
SAW**



## D-100 SHIP PATTERN SAW

Same as D-100, except made with narrow blade—6" at butt; 1½" at point.

**Cross Cut** 26 inches.....8, 9, 10, 11 points, \$25.00 per dozen

These saws are also suitable for cabinet-makers, pattern-makers and work where a narrow saw is desirable.

**For number of screws in Disston Saws, see page 163**

Packed one-third dozen in box.

## SPECIAL SAWS ETCHED TO ORDER

**P 26**

Cherry Handle, Carved and Polished, Brass Screws,  
full width, Skew or Straight Back Blade,  
Nickel-plated Reinforce Plate.



16	18	20	22	24	26	28 inches
\$17.50	18.70	19.85	21.05	22.20	23.40	26.90 per dozen

**No. 405**

Beech Handle, Polished, Carved Grip,  
Brass Screws, Skewback Blade



16	18	20	22	24	26	28 inches
\$10.50	11.25	12.25	13.25	14.25	15.25	17.25 per dozen

**No. 060**

Beech Handle, Varnished Edge, Brass  
Screws, Skewback Blade

Trade Mark Registered  
U. S. Pat. Off.



16	18	20	22	24	26	28 inches
\$9.50	10.00	10.50	11.15	11.90	12.60	14.10 per dozen

**No. 035**

Beech Handle, Varnished Edge, Brass  
Screws, Skewback Blade, Blued



16	18	20	22	24	26	28 inches
\$7.55	8.60	9.60	10.60	11.60	12.60	14.60 per dozen

**No. 075**

Beech Handle Varnished Edge, Brass  
Screws, Skewback Blade

Trade Mark Registered  
U. S. Pat. Off.



16	18	20	22	24	26	28 inches
\$8.25	8.75	9.25	9.75	10.25	10.75	12.50 per dozen

Packed one-third dozen in box

## SPECIAL SAWS ETCHED TO ORDER

No. 085

Trade Mark  
Registered  
U. S. Pat. Off.



Walnut Finish Handle, Polished, Steel Plate, Oval Brass Screws

16	18	20	22	24	26	28 inches
\$8.00	8.65	9.25	9.90	10.50	11.10	13.60 per dozen

No. 087

Trade Mark  
Registered  
U. S. Pat. Off.



Beech Handle, Varnished Edge, Steel Screws, with 24-inch Etched Rule

26-inch length only ..... \$8.90 per dozen

No. 090

Trade Mark  
Registered  
U. S. Pat. Off.



Beech Handle, Varnished Edge, Brass Screws

16	18	20	22	24	26	28	30 inches
\$6.20	6.65	7.15	7.80	8.40	9.00	11.10	12.50 per dozen

No. 091

Trade Mark  
Registered  
U. S. Pat. Off.



Beech Handle, Varnished Edge, Brass Screws

12	14	16	18	20	22	24	26	28	30 inches
\$4.50	4.90	5.40	5.90	6.40	6.90	7.40	8.00	10.00	11.25 per dozen

Packed one-half dozen in box



# HENRY DISTON & SONS



## D-19 FLOORING SAW

Patented November 2, 1909



Cherry Handle, Carved and Polished, adjustable to various positions.

This Saw has been especially designed to fill the need of a tool by which the Mechanic can cut out any particular section of floor, partition or ceiling to any depth desired without the necessity of boring holes, chiseling, etc. Sections cut out with this saw can be replaced in original position if desired. The Blade is reversible, interchangeable and adjustable to various positions, and held firmly in place by patent bolt and ratchet. The lever is also adjustable, and can be placed in proper alignment with handle by turning bolt backward or forward as desired.

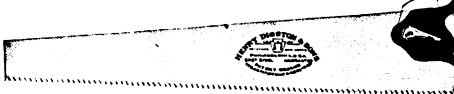
D-19 Flooring, 16 inch, \$19.00

18 inch, 20.00

20 inch, 22.00 per dozen

Packed one-third dozen in box

## PLUMBERS' SAW, No. 10



Cherry Handle, Carved and Polished, adjustable to various positions.

Made particularly for use on work encountered by mechanics in making repairs where it is necessary to cut through joists, rafters, flooring, etc., in which nails may be embedded. Also for cutting soil pipe, gas pipe, etc.

	16	18	20	22	24 inches
No. 10 Plumbers'	\$14.50	15.50	17.25	19.00	20.75 per dozen

Packed one-half dozen in box

## PLUMBERS' SAW, No. 5

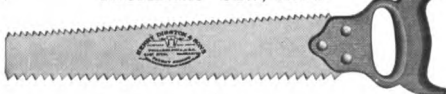
Patented and transferred to Henry Diston in 1874



Specially adapted for the use of MECHANICS. The Cherry Handle is adjustable to various positions. The coarse teeth are for sawing wood. The fine teeth for sawing wood in which nails are imbedded, lead pipe, etc.

	18	20	22 inches
No. 5 Plumbers'	\$16.50	18.25	21.00 per dozen

## PLUMBERS' SAW, No. 6



Beech Handle, varnished edges, brass screws. One edge toothed 6 points; other edge 8 points.

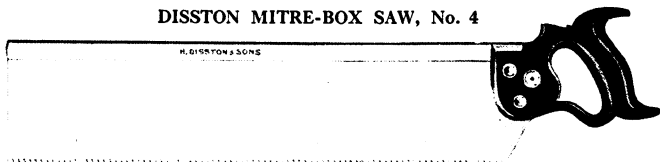
	12	14	16	18 inches
No. 6 Plumbers'	\$8.00	8.50	9.00	10.00 per dozen

Packed one-third dozen in box

# MITRE-BOX SAWS

Made in Disston Quality only, their accuracy and efficiency is recognized as The Standard by the prominent manufacturers of Mitre Boxes.

## DISSTON MITRE-BOX SAW, No. 4



Crucible Steel Blade, Apple Handle, Polished Edge, Brass Screws, Blued Back.

The following prices are for saws measured the full length of the blade. The peculiar shape of butt or heel in these saws makes the toothed edge about 2 inches shorter than the full length of the blade. Mitre-Box Saws are regularly made 11 points to the inch, 19 gauge in thickness.

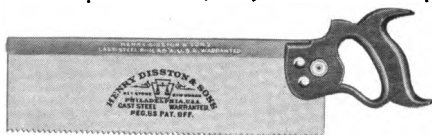
	4	5	6 inches under back	
20 inches.....	\$24.00			per dozen
22 ".....	26.00	\$28.50	\$31.00	"
24 ".....	28.00	31.00	34.00	"
26 ".....	30.00	33.50	37.00	"
28 ".....	32.00	36.00	40.00	"
30 ".....	34.00	38.50	43.00	"
32 ".....	36.00	41.00	46.00	"

# BACK SAWS

CRUCIBLE STEEL

## DISSTON BACK SAW, No. 4

Made with Rip Teeth when specially ordered at the same price



No. 4. Apple Handle, Polished Edge, Brass Screws, Blued Back.

8	10	12	14	16	18 inches
\$13.00	14.00	16.00	18.00	20.00	22.00 per dozen

No. 5. With Solid Brass Back.

8	10	12	14	16	18 inches
\$18.00	19.00	21.00	23.00	26.00	30.00 per dozen

No. 7. With Polished Steel Back.

8	10	12	14	16	18 inches
\$14.00	15.00	17.00	19.00	21.00	23.00 per dozen

Packed one-third dozen in box

# BACK SAWS

CRUCIBLE STEEL

"MECHANICS' OWN" BACK SAW, No. 77

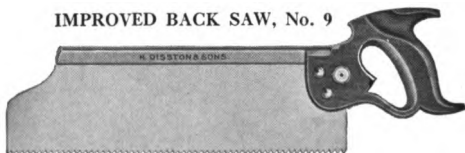
TO RUN WITHOUT SET



These Saws are particularly adapted for fine cabinet work, sawing mitres, and where rapid and smooth cutting is required the use of a plane can be dispensed with, as they will cut a joint sufficiently smooth to glue without planing. Regularly made 8 points to the inch, except for about 1½" at the front where the teeth are 12 points to the inch. In filing use a 4½-inch slim taper file.

8	10	12	14	16 inches
\$16.00	18.00	20.00	22.00	25.00 per dozen
18	20	22	24	26 inches
\$28.00	31.00	34.00	37.00	40.00 per dozen

## IMPROVED BACK SAW, No. 9

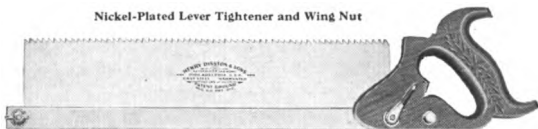


10	12	14	16	18 inches
\$14.50	16.50	18.50	20.50	22.50 per dozen

## BACK SAW, No. 14

Nickel-Plated Lever Tightener and Wing Nut

Patented  
Jan. 27,  
1914.



Cherry Handle, Carved and Polished. Disston Crucible Steel blade. Warranted. One edge toothed 9 points for cutting with the grain; the other, 13 points, for cross-cutting.

The slotted, heavy steel back, by means of the wing nut and lever tightener is quickly adjusted to cut any special depth required.

Adapted for tenoning, shouldering, dovetailing, cog cutting, or any purpose where a definite depth of cut is desired.

	8x3	10x3	12x3½	14x3½	16x4¼ inches
No. 14. Back Saw..	\$14.50	15.50	17.25	19.00	20.75 per dozen

Packed one-third dozen in box.

## BACK SAWS

Trade Mark  
Registered  
U. S. Patent Office

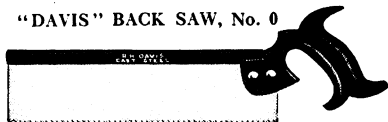
### "JACKSON" BACK SAW, No. 1



Beech Handle, Polished Edge, Blued Back

	8	10	12	14	16	18	inches
No. 1. JACKSON.....	\$9.00	10.00	12.00	14.00	16.00	18.00	per dozen

### "DAVIS" BACK SAW, No. 0



Beech Handle, Polished Edge, 10 and 12-inch made with open Handle, 14-inch with closed Handle.  
All sizes made 12 point only.

	8	10	12	14	inches
No. 0. DAVIS.....	\$8.00	9.00	10.00	10.00	per dozen

### HALF BACK BENCH SAW, No. 8

BRASS BACK



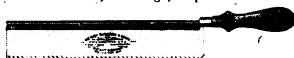
Apple Handle, Polished Edge, Brass Screws, Brass Back. Combining the advantages of a Hand Saw and a Back Saw.

	14	16	18	20	inches
No. 8. HALF-BACK BENCH SAW.....	\$18.00	21.00	24.00	27.00	per dozen

Packed one-third dozen in box

### DOVETAIL SAW, No. 68

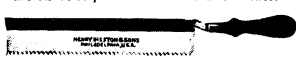
Polished Handle, Steel Back, Brass Plated,  
Extra Quality Spring Steel Blade, 1½ inches  
wide under back, 26 Gauge, 17 points.



Nos. 68 and 71

### DOVETAIL SAW, No. 71

The Diston No. 71 Dovetail Saw is the same  
as the No. 68 except that the handle and blade  
are offset to permit work on a flat surface.



6      8      10      12      inches

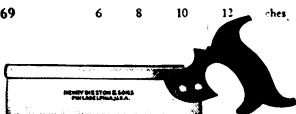
**DOVETAIL SAW, No. 69** Same pattern and dimensions as No. 68. Made for cutting  
brass and copper in sheets or tubes.

### DOVETAIL SAW, No. 70

Apple Handle, Open Grip, Polished Edges,  
Extra Quality Crucible Steel Blade, 1½ inches wide  
under back, 26 gauge, 17 points. Steel Back Brass  
Plated.

	6	8	10	12	inches
No. 70, \$7.50	8.00	9.00	9.75	per doz.	

Packed one-sixth dozen in box



# DISSTON HANDY SAW KIT, No. 101

The combination of Blades in any of these sets provides a Handy Kit for the practical mechanic, householder, farmer, etc.

Patented Nov. 2, 1899

12-inch Keyhole  
\$2.25 per doz.

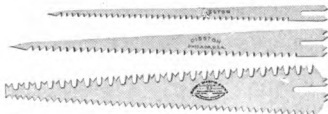
14-inch Compass  
\$2.75 per doz.

16-inch Pruning  
\$7.00 per doz.

18-inch  
Plumbers'  
\$11.00 per doz.

20-inch  
10 Point  
Cross-cut  
\$11.00  
per doz.

20-inch  
7 Point  
Rip Saw  
\$11.00  
per doz.



Adjustable Handle  
\$4.50 per doz.



Canvas Case  
\$6.00 per doz.

Hardwood Handle, Carved and Polished, with a special lever device which is arranged to hold the blades comprising the Sets rigid and the special formation of the butt of the blades prevents wobbling.

The special shaped Lever Bolt, permits by a quarter or half turn of same, the keeping of the Lever in position so it will not interfere with the working of the saw.

The Plumbers' Saw Blade is specially tempered for cutting nails, spikes, bolts, gas pipe, soil pipe, etc.

The blades are made of DISSTON CRUCIBLE STEEL, ground and polished.

## No. 101, SIX BLADE SET, \$4.50

Cross-cut Saw Blade, 10 point.....	20 inch
Rip Saw Blade, 7 point.....	20 inch
Plumbers' Saw Blade.....	18 inch
Pruning Saw Blade.....	16 inch
Compass Saw Blade.....	14 inch
Keyhole Saw Blade.....	12 inch

Adjustable Handle

## No. 102, FIVE BLADE SET, \$4.00

Cross-cut Saw Blade, 10 point.....	20 inch
Rip Saw Blade, 7 point.....	20 inch
Plumbers' Saw Blade.....	18 inch
Compass Saw Blade.....	14 inch
Keyhole Saw Blade.....	12 inch

Adjustable Handle

## No. 103, FIVE BLADE SET, \$3.50

Cross-cut Saw Blade, 10 point.....	20 inch
Rip Saw Blade, 7 point.....	20 inch
Pruning Saw Blade.....	16 inch
Compass Saw Blade.....	14 inch
Keyhole Saw Blade.....	12 inch

Adjustable Handle

## No. 104, FOUR BLADE SET, \$3.00

Cross-cut Saw Blade, 10 point.....	20 inch
Rip Saw Blade, 7 point.....	20 inch
Compass Saw Blade.....	14 inch
Keyhole Saw Blade.....	12 inch

Adjustable Handle

## No. 105, THREE BLADE SET, \$2.75

Cross-cut Saw Blade, 10 point.....	20 inch
Rip Saw Blade, 7 point.....	20 inch
Compass Saw Blade.....	14 inch

Adjustable Handle

Put up in a durable canvas case, having strong well-bound edges, and containing separate compartments for each blade, with a special pocket for the handle. Convenient and light to carry.

# DISSTON HANDY SAW KIT, No. 201

FOR PLUMBERS' USE

Patented Nov. 2, 1909

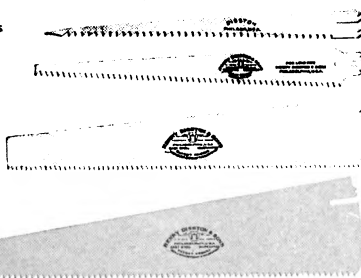
The combination of Blades in this set provides a handy kit for plumbers' use—14-inch Compass, 16-inch Special Blade, 18-inch Plumbers' Blade, and a 20-inch Hand Saw Blade.

14-inch Compass  
\$2.75 per doz.

16-inch Special  
for Lead Pipe  
\$7.00 per doz.

18-inch  
Plumbers'  
\$11.00  
per doz.

20-inch  
10 Point  
Cross-cut  
\$11.00  
per doz.



Adjustable Handle  
\$4.50 per doz.

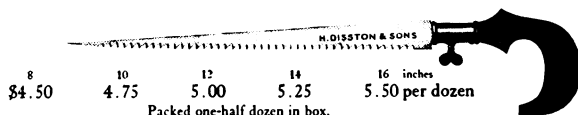


Canvas Case  
\$6.00 per doz.

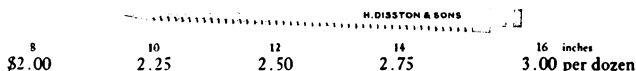
These are of the same high quality, material and workmanship as the regular Handy Kit. The Plumbers' Saw Blade is specially tempered for cutting nails, spikes, bolts, gas pipe, soil pipe, etc. Put up in a durable canvas case, having strong bound edges, and containing separate compartments for each blade, with a special pocket for the handle. Convenient and light to carry.

No. 201. Price, complete set . . . . . \$3.50

## HOLDEN PATTERN COMPASS SAW, No. 70



### EXTRA BLADES FOR HOLDEN PATTERN COMPASS

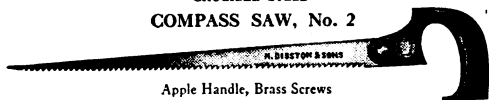


Interchangeable Blades, Reversible Handles, Strong, Convenient and Compact.  
Packed one dozen in box.

## COMPASS SAWS

CRUCIBLE STEEL

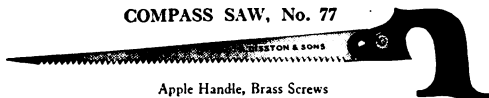
### COMPASS SAW, No. 2



Apple Handle, Brass Screws

	10	12	14	16	18 inches
No. 2. Compass Saw.....	\$4.25	4.50	4.75	5.00	5.25 per dozen

### COMPASS SAW, No. 77



Apple Handle, Brass Screws

	10	12	14	16	18 inches
No. 77. Compass Saw.....	\$4.25	4.50	4.75	5.00	5.25 per dozen
Packed one-half dozen in box					

### COMPASS BLADES

	10	12	14	16	18 inches
No. 2 and No. 77 Blades....	\$2.25	2.50	2.75	3.00	3.25 per dozen
These blades are sent punched unless ordered otherwise Packed one dozen in box					

### INTERCHANGEABLE, No. 4



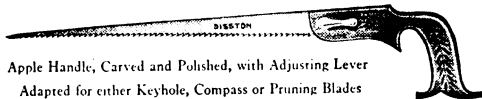
Packed one-quarter dozen in box

	10	12	14	16	18	20 inches
No. 4. Compass Saw....	\$4.00	4.25	4.50	4.75	5.00	5.25 per dozen

### INTERCHANGEABLE COMPASS BLADES, No. 4

	10	12	14	16	18 inches
No. 4. Compass Blades....	\$2.25	2.50	2.75	3.00	3.25 per dozen
Packed one dozen in box					

### ADJUSTABLE COMPASS SAW, No. 9



Apple Handle, Carved and Polished, with Adjusting Lever

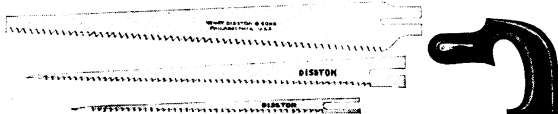
Adapted for either Keyhole, Compass or Pruning Blades

	10	12	14	16	18 inches
No. 9.....	\$5.00	5.50	6.00	6.50	7.00 per dozen
Packed half dozen in box					

When ordering Compass Saw Blades designate by number in catalogue. When not otherwise specified No. 4 will be sent.

# NEST OF SAWS, No. 3

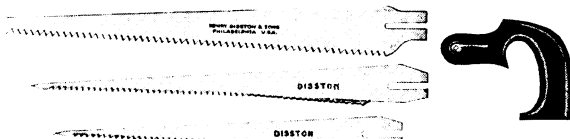
Combining one each, Keyhole, Compass and Table or Pruning Saw



	No. 3 Nest	No. 1 Nest Without Pruning Blade
Handle and Tightener, No. 3	\$1.75 per dozen	\$1.75 per dozen
Keyhole Blade, No. 3, 10 inch	2.00 "	2.00 "
Compass Blade, No. 3, 14 "	2.75 "	2.75 "
Pruning Blade, No. 3, 16 "	5.50 "	
<b>No. 3 Nest, complete</b>	<b>\$12.00</b> "	<b>\$6.50</b> "

Packed three sets in box. Handle and Tightener only, packed one dozen in box

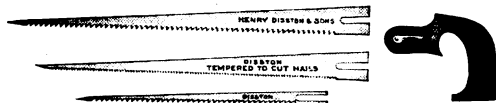
# · SQUARE-HOLE NEST OF SAWS, No. 5



	No. 5	No. 6 Without Pruning Blade
Handle and Tightener, No. 5	\$1.75 per dozen	\$1.75 per dozen
Square-Hole Keyhole Blade, No. 5, 12 inch	4.75 "	4.75 "
Square-Hole Compass Blade, No. 5, 14 "	5.50 "	5.50 "
Pruning Blade, No. 5, 16 inch	5.50 "	
<b>No. 5 Square-Hole Nest, complete</b>	<b>\$17.50</b> "	<b>\$12.00</b> "

Packed one set in box

# NEST OF SAWS, No. 7



This nest of saws consists of handle, tightener, and three blades, including a 14-inch Plumbers' Compass blade for cutting wood in which nails may be imbedded, lead pipe, and the class of work encountered in the ordinary course of plumbing.

Handle and Tightener, No. 7	\$1.75 per dozen
Plumbers' Compass Blade, No. 7, 14 inch	3.50 "
Compass Blade, No. 7, 16 inch	3.00 "
Keyhole Blade, No. 7, 10 inch	2.00 "
<b>No. 7 Nest, complete</b>	<b>\$10.25</b> "

When ordering Blades, designate by Name and Number  
Old style Nest Saws with two screws in handle at same price  
Packed 3 sets in box



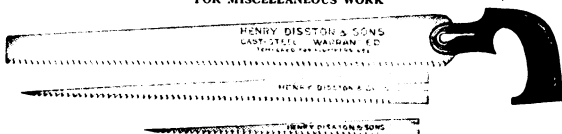
# PLUMBERS' COMPASS SAW, No. 8



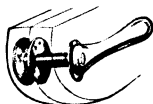
Equipped with an extra heavy blade, 16 gauge. Specially made for Plumbers use and rough, heavy work.

	12	14	16 inches
No. 8. Plumbers' Compass Saw.....	\$5.00	5.25	5.50 per dozen

## PLUMBERS' NEST OF SAWS, No. 60 FOR MISCELLANEOUS WORK



The No. 60 Nest of Saws consists of Handle, Tightener and Three Blades—one 18-inch blade specially tempered for the cutting of wood in which nails may be imbedded, lead pipe and that class of work encountered in the ordinary course of plumbing, one 14-inch Compass Blade and one 10-inch Keyhole Blade.



Adjustable Lever Tightener

### ADJUSTABLE HANDLE. NO SCREW-DRIVER REQUIRED

The blades are fastened in the Handle by means of the special lever device, which is so arranged as to take in the different thicknesses of the various blades, the pin in Bolt-head being moved forward or backward, as may be required; and this, at the same time, permits the keeping of the Lever on a line with the Handle, so it will not interfere with the working of the saw.

Handle and Tightener, No. 60.....	\$1.75	per dozen
Keyhole Blade, No. 60, 10 inch.....	2.00	"
Compass Blade, No. 60, 14 inch.....	2.75	"
Plumbers' Blade, No. 60, 18 inch.....	11.00	"
No. 60. Plumbers' Nest, complete.....	\$17.50	"

Packed three sets in box

## KEYHOLE SAW AND PAD, No. 95



Round, Hardwood Handle, Polished, Nickel-plated Ferrule.

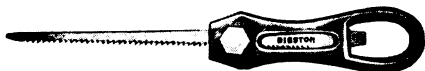
The Handle is slotted clear through, permitting the adjustment of Blade for length of cutting-edge required.

The Blade, 10 inches long, ground thin-back, is firmly held in place by means of a steel grip inside of Handle, tightened by thumb-screw, which is nickel-plated.

No. 95. Keyhole Saw and Pad.....	\$4.00	per dozen
Extra Blades for No. 95 Keyhole Saw.....	2.00	"

Packed half dozen in box

## KEYHOLE SAW AND PAD, No. 5



No. 5. Keyhole Blade, \$1.40; Handle, 60 cents; Complete, \$2.00 per dozen

This is an inexpensive and convenient combination of Keyhole Saw, Saw Pad and Screw Driver

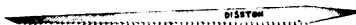
## KEYHOLE SAW AND PAD, No. 10



No. 10. Keyhole Blade, \$1.40; Handle, \$1.00; Complete, \$2.40 per dozen

## KEYHOLE BLADES

CRUCIBLE STEEL

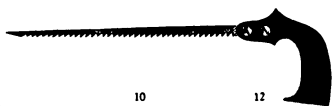


- |        |  |        |           |
|--------|--|--------|-----------|
| No. 6. | Keyhole Saw Blade, extra ground, set and sharpened . . . | \$2.00 | per dozen |
| " 7.   | Reversible Keyhole Saw Blade . . . . .                   | 2.00   | "         |
| " 8.   | Blind-makers' Saw Blade . . . . .                        | 1.75   | "         |

Packed one dozen in box.

## KEYHOLE SAW, No. 15

BEECH HANDLE, BRASS SCREWS



- |         |                       |        |    |    |           |                |
|---------|-----------------------|--------|----|----|-----------|----------------|
| No. 15. | Keyhole Saw . . . . . | \$2.25 | 10 | 12 | 14 inches | 2.75 per dozen |
|         |                       |        |    |    |           |                |

Trade Mark  
Registered  
U. S. Pat. Off.

## "JACKSON" COMPASS SAWS



- |         |   |         |           |
|---------|---|---------|-----------|
| No. 20. | Jackson Compass Saw, Steel Screws . . . . . | \$45.50 | per gross |
| " 30.   | Champion Compass Saw . . . . .              | 30.25   | "         |
| " 40.   | Samson Compass Saw . . . . .                | 25.25   | "         |
| " 12.   | Wood Handle Keyhole Saw . . . . .           | 24.00   | "         |

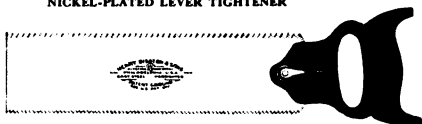
When ordering Compass Saw or Keyhole Saw Blades, designate by number.

Packed one-half dozen in box.

## CABINET SAW, No. 80

**NICKEL-PLATED LEVER TIGHTENER**

Patented  
Nov. 2, 1909



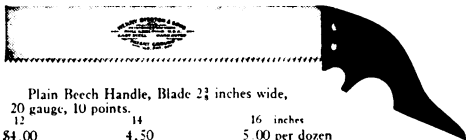
Cherry Handle, Carved and Polished. Disston Crucible Steel Blade, Warranted. One edge toothed 10 points for cutting with the grain; the other, 15 points, for cross-cutting.  $\frac{3}{16}$ -inch hole in end for hanging up saw.

The blade is securely fastened in handle by the lever tightener, which permits a quick adjustment of the handle according to the tooth-edge to be used.

Especially adapted for fine work, such as cabinet, pattern making, mitering, etc.

	8	10	12	14	16	18 inches
<b>No. 80.</b> All sizes, $3\frac{1}{2}$ inches wide.....	\$8.00	8.25	9.00	10.00	11.00	12.00 per dozen

## TURKISH

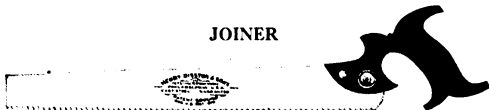


Plain Beech Handle, Blade  $2\frac{3}{4}$  inches wide,  
20 gauge, 10 points.

12	14	16 inches
\$4.00	4.50	5.00 per dozen

Made with ebony handle at an advance.

## JOINER



Apple Handle, Varnished Edge, Blade  $16 \times 2\frac{1}{4}$  inches at handle, 18 Gauge, 15 Points, \$12.00 per dozen  
Packed one-third dozen in box.

## STAIR BUILDERS'

Adjustable for various depths of cut.



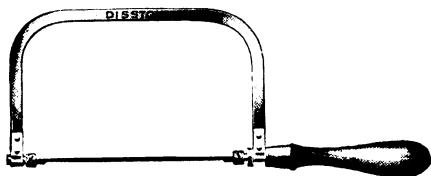
Beech Handle, Varnished Edge, Blade  $6 \times 1\frac{1}{2}$  inches  
20 Gauge, 8 Points..... \$4.75 per dozen  
Packed half dozen in box

## PATTERN MAKERS'



Plain Apple Handle, Blade  $7\frac{1}{2} \times 1\frac{1}{4}$  inches,  
21 Gauge, 15 Points..... \$5.00 per dozen  
Packed one saw in box.

# COPING SAW, No. 10

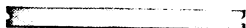


Hardwood Handle, Polished, Heavy Steel Ferrule, Nickel-Plated and Threaded. Crucible Steel, Nickel-plated, Frame  $\frac{3}{4}$ -inch wide,  $\frac{1}{8}$ -inch thick,  $\frac{1}{2}$ -inches deep from tooth-edge to inside of back. Length of blade,  $6\frac{1}{2}$  inches from pin to pin.

This is a well-made Coping Saw, more efficient and stronger than the ordinary wire back style. The blade is controlled or adjusted by the two Knurled stretchers when sawing sharp angles, etc., and is easily inserted or removed.

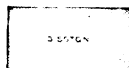
No. 10. Coping Saw, Frame and Blade, complete.....\$8.00 per dozen  
Extra Blades, Fitted with Pins..... 5.50 per gross  
Packed one-sixth dozen in box

## CURRIER OR SLICKER BLADE OF SUPERIOR QUALITY



7 inch x 2 inch, 25 gauge .....\$2.00 per dozen

## CABINET SCRAPER



## CABINET SCRAPERS

	Plain Cut Edges	Ground Even Gauge and Dressed on Edges		Plain Cut Edges	Ground Even Gauge and Dressed on Edges
2 x 4	\$0.30	\$0.55 per dozen	3 1/2 x 6	\$0.90	\$1.65 per dozen
2 x 6	.45	.80 "	4 x 4	.60	1.10 "
2 1/2 x 5	.50	.90 "	4 x 5	.80	1.45 "
3 x 4	.45	.80 "	4 x 6	.90	1.65 "
3 x 5	.55	1.00 "			
3 x 6	.65	1.20 "			
Packed one dozen assorted, small, 2 x 4 to 3 x 6 in box.....				\$0.60	\$0.90
" " " " large, 3 1/2 x 4 to 5 x 6 ".....				.80	1.45

Unless otherwise specified, Plain Cut Edges will be sent

## SWAN NECK



3 x 5 inches.....\$1.80 per dozen

## CABINET SCRAPERS FRENCH



2 1/4 x 5    2 3/4 x 6    3 x 5    3 x 6 inches

\$1.80    2.25    2.25    2.75 per dozen

Packed one dozen in box

# "LITTLE GIANT" PRUNING HOOK AND SAW

SIMPLE AND DURABLE

The Knife and Saw are both made of the best Crucible Steel, and can be used with or without a pole. The tool is strongly made and durable. The Saw is detached where its use is not required on large limbs.

This Pruner fills a long-felt need, as it combines two useful tools in one, without increase of cost to the user.

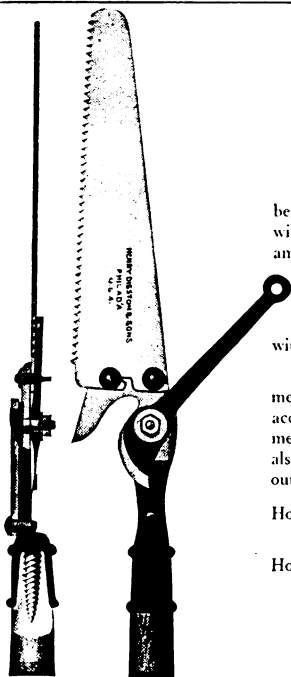
The Saw-blade is attached to the Hook by means of two clamp-screws, as shown in the accompanying cuts, which also show the method of attaching a Pole or Handle. We also make a Pruning Hook of this style without the Saw Attachment.

Hook and Saw (without pole), \$18.00 per doz.  
Length of Blade, 12 inches.

Hook only (without pole), \$12.00 per doz.

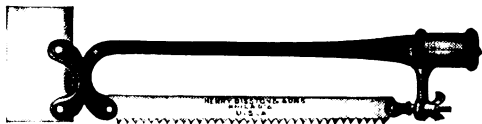
Hook will take in Branch  $\frac{3}{4}$  in. Diameter.

Packed one-sixth dozen in box.



IMPROVED  
PRUNING SAW  
AND KNIFE

No. 20



Black Finish Frame (without pole) ..... \$11 00 per dozen

This Saw is designed for attachment to a pole, so the upper branches of trees can be reached without the aid of a ladder, the Knife or Saw being brought into requisition as may be required. When desired, the Pole can readily be detached, the socket on the Frame forming an excellent handle.

The peculiar formation of the Tooth enables the Saw to cut both ways, causes an equal strain on the limb, insures smooth and rapid execution, and prevents the saw from becoming jammed in cutting green wood. Length of saw, 10 inches.

## "THE ORCHARD" PRUNING HOOK AND SAW

This tool meets general requirements. The economy of combining two tools in one will be appreciated.

The Knife and Saw are made of the best Crucible Steel, and can be used with or without a pole. Although possessing great strength, it is of light construction, with crescent-shaped blade having long, slender teeth, so formed as to draw the saw into the wood. It is particularly adapted for sawing the smaller branches in general pruning.

The Saw Blade, which is attached to the Hook by two clamp-screws, can be readily removed, when the Hook only is required. We can furnish this style of Pruning Hook without the Saw attachment if so desired.

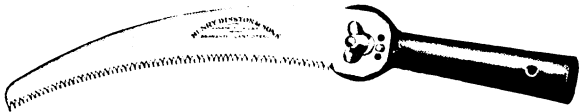
Malleable iron handle, Black Finish, with socket.

Hook and Saw (with-  
out Pole) . . . . . \$18.00 per dozen  
Length of Blade 10 inches

Hook only (without  
Pole) . . . . . \$11.00 per dozen

Hook will take in Branch  $\frac{1}{2}$  inch diameter  
Packed one-sixth dozen in box

## No. 111 PRUNING SAW



Similar in quality and style to "The Orchard," without Pruning Hook.

Malleable iron handle, Black Finish, with socket. Crucible steel, crescent-shaped blade, 10 inches in length; long, slender teeth.

The blade is fastened to handle with wing-nut and so arranged that it may be adjusted to any angle. Can be used with or without a pole.

No. 111 . . . . . \$11.00 per dozen

Packed one-sixth dozen in box

# DISSTON TABLE AND PRUNING SAWS, No. 7

CRUCIBLE STEEL



No. 7. Crucible Steel, Grained Blade, Warranted, Apple Handle, Polished Edge, Brass Screws.

<sup>12</sup>	<sup>14</sup>	<sup>16</sup>	<sup>18</sup>	<sup>20</sup>	<sup>22</sup>	<sup>24</sup>	<sup>26</sup>	inches
\$8.00	8.50	9.00	10.00	11.00	12.00	13.00	14.00	per dozen

# BROWN'S TABLE AND PRUNING SAWS, No. 3

CRUCIBLE STEEL



No. 3. Grained Blade, Apple Handle, Polished Edge, Brass Screws.

<sup>12</sup>	<sup>14</sup>	<sup>16</sup>	<sup>18</sup>	<sup>20</sup>	<sup>22</sup>	<sup>24</sup>	<sup>26</sup>	inches
\$5.50	6.00	6.75	7.50	8.25	9.00	9.75	10.50	per dozen

# YORK STATE PRUNER



Beech Handle, Varnished Edges, Brass Screws, Narrow Crucible Steel Blade, Blued. Length of Blade, 20 inches; five inches wide at butt, one inch at point. Toothed seven points to inch.

York State.....\$11.00 per dozen

Packed one-third dozen in box

# GRAPE PRUNER



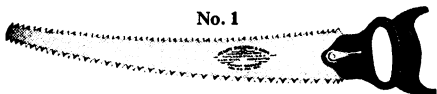
Apple Wood, Open Grip Handle, Brass Screws, Crucible Steel Blade, 10½ inches long, 1½ inches wide at butt, ¾ inch at point.

Grape Pruner.....\$5.50 per dozen

Packed one-half dozen in box

## PRUNING SAWS

### No. 1

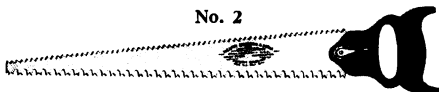


Patented  
Nov. 2. 1909

Cherry Handle, Carved and Polished, Crucible Steel Blade, Double Edge—thrust cut on the convex edge, draw cut on the concave edge. Adjustable handle, lever tightener.

	12	14	16	18	20	22 inches
No. 1.....	\$11.00	11.50	12.50	13.50	14.50	15.50 per dozen

### No. 2

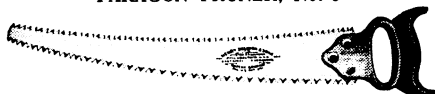


Patented  
Nov. 2 1909

Cherry Handle, Carved and Polished, Crucible Steel Blade, Double Edge. Adjustable lever tightener.

	12	14	16	18	20	22 inches
No. 2.....	\$10.00	10.50	11.00	12.00	13.00	14.00 per dozen

### PARAGON PRUNER, No. 5

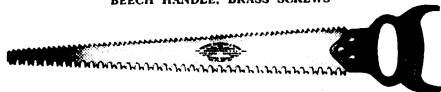


Beech Handle, Varnished Edges, Brass Screws, Crucible Steel Blade, Double Edge—thrust cut on convex edge, draw cut on concave edge.

	12	14	16	18	20	22 inches
No. 5.....	\$9.50	10.00	11.00	12.00	13.00	14.00 per dozen

### DISSTON DUPLEX PRUNING SAW, No. 4

BEECH HANDLE, BRASS SCREWS



	12	14	16	18	20	22 inches
No. 4.....	\$8.50	9.00	9.50	10.50	11.50	12.50 per dozen

### AVERY SAW CO. DUPLEX PRUNING SAW, No. 40

BEECH HANDLE, BRASS SCREWS



	12	14	16	18	20	22 inches
No. 40.....	\$6.00	6.50	7.00	7.75	8.50	9.50 per dozen

Packed one-third dozen in box



# TAPERED PRUNING SAWS

Polished Steel Frames, Crucible Steel Blades, Hardwood Handles. These are specially desirable Pruning Saws, the shape of Frame permitting their use in narrow spaces.

## POMONA, No. 8



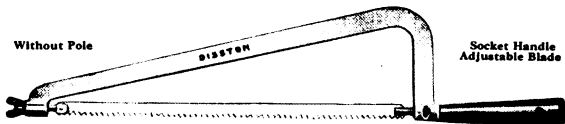
No. 8. Length of Blade, 14 inches centre to centre of holes....\$12.00 per dozen.

## DOUBLE SWIVEL, No. 9

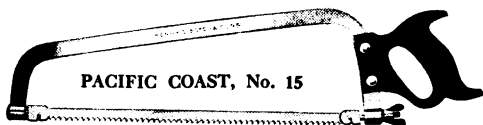


No. 9. Length of Blade, 14 inches centre to centre of holes....\$14.00 per dozen

## "THE FOREST," No. 10



No. 10. Length of Blade, 14 inches centre to centre of holes....\$16.00 per dozen



## PACIFIC COAST, No. 15

No. 15. Length of Blade, 14 inches centre to centre of holes....\$16.00 per dozen

Packed one-sixth dozen in box

Blades with pins for Nos. 9, 13, 15, 16, 25 .....	\$1.35	per dozen
" " " " " 8, 10.....	1.15	" "
" " " " " 17.....	1.30	" "
" " " " " 18.....	1.65	" "
" " " " " 19.....	1.20	" "

# TAPERED PRUNING SAWS

No. 16



Flat steel back, narrow tapered point, Beech handle, varnished edges, two nickel-plated screws. Handle has extra large grip for use with gloved hand. Swivel stretcher. Blued steel blade.  
 No. 16. Length of blade 14 inches centre to centre of holes..... \$16.00 per dozen

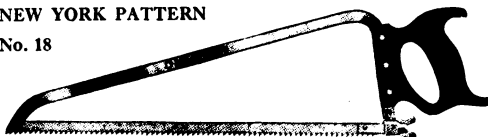
No. 17



Oval steel back, straight tapered point, Beech handle, varnished edges, three nickel-plated screws. Handle has extra large grip for use with gloved hand. Blued steel blades.  
 No. 17. Length of blade 20 inches centre to centre of holes..... \$12.00 per dozen

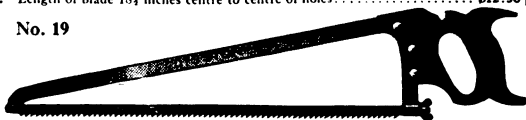
## NEW YORK PATTERN

No. 18



Flat steel back, narrow tapered point, Beech handle, varnished edges, three brass screws. Handle has extra large hand-hold for use with gloved hand. Blued steel blade.  
 No. 18. Length of blade 18½ inches centre to centre of holes..... \$12.50 per dozen

No. 19



Flat steel back, narrow tapered point, Beech handle, varnished edges, three brass screws. Handle has extra large hand-hold for use with gloved hand, swivel stretcher, blued steel blade.  
 No. 19. Length of blade 18 inches centre to centre of holes..... \$12.50 per dozen

No. 25

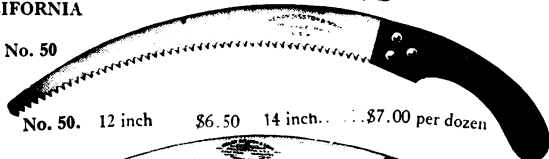


Flat steel frame, slightly tapered, riveted sockets, swivel stretcher. Beech handle, varnished edges, two nickel-plated screws. Blued steel blade. Length 14 inches centre to centre of holes.  
 No. 25..... \$13.00 per dozen  
 Packed one-sixth dozen in box

## PRUNING SAWS

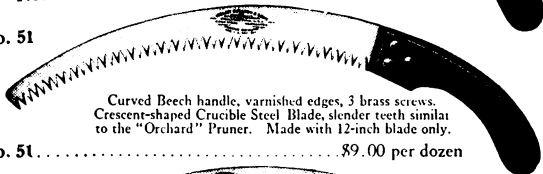
### CALIFORNIA

No. 50



No. 50. 12 inch \$6.50 14 inch... \$7.00 per dozen

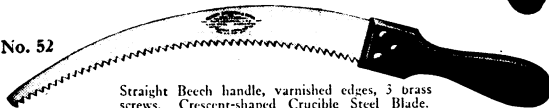
No. 51



Curved Beech handle, varnished edges, 3 brass screws.  
Crescent-shaped Crucible Steel Blade, slender teeth similar  
to the "Orchard" Pruner. Made with 12-inch blade only.

No. 51.....\$9.00 per dozen

No. 52

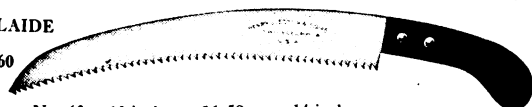


Straight Beech handle, varnished edges, 3 brass  
screws. Crescent-shaped Crucible Steel Blade.

No. 52. 12 inch.....\$6.50 14 inch.....\$7.00 per dozen

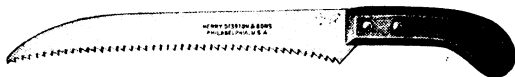
### ADELAIDE

No. 60



No. 60. 12 inch....\$6.50 14 inch....\$7.00 per dozen

### PRUNING SAW, No. 61



Special shaped, Crucible steel blade, teeth arranged to cut when drawing the saw toward you  
comfortably shaped handle; two screws.

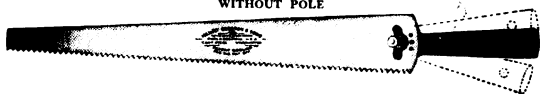
12-inch, \$5.00 14-inch, \$5.50 16-inch, \$6.00 per dozen

Packed half dozen in box

No. 11

### ADJUSTABLE POLE PRUNER

WITHOUT POLE



Adapted for sawing by hand or attached to a pole. The Handle is made of malleable iron, with  
socket, and the Blade of best Crucible Steel. Adjustable for sawing at different angles.

No. 11. Length of Blade, 18 inches; Handle, 5 inches ..... \$9.00 per dozen

Packed one-sixth dozen in box

# PRUNING SAWS

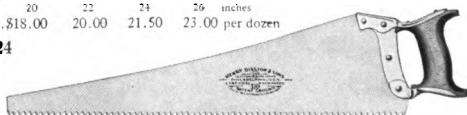
No. 7½



Similar to the No. 7 Ship Saw, with the exception of extra large hand-hold for use with gloved hand, slightly heavier blade, and coarser teeth for pruning.

	20	22	24	26	inches
No. 7½.....	\$18.00	20.00	21.50	23.00	per dozen

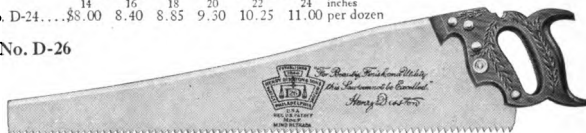
No. D-24



Narrow Point Crucible Steel Blade, Copper Handle with Beechwood Grip.

	14	16	18	20	22	24	inches
No. D-24....	\$8.00	8.40	8.85	9.30	10.25	11.00	per dozen

No. D-26

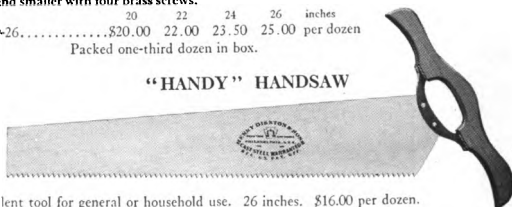


Similar to the No. D-20 Handsaw, with the exception of extra large hand-hold for use with gloved hand, slightly heavier blade, and coarser teeth for pruning. The 26-inch is fitted with five brass screws, 24-inch and smaller with four brass screws.

	20	22	24	26	inches
No. D-26.....	\$20.00	22.00	23.50	25.00	per dozen

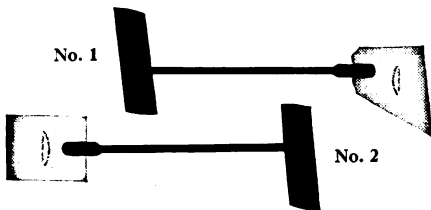
Packed one-third dozen in box.

## "HANDY" HANDSAW



An excellent tool for general or household use. 26 inches. \$16.00 per dozen.

No. 1



No. 2

## TOBACCO SPUDS

CRUCIBLE STEEL  
BLADES

No. 1. Angular Blade.  
Per dozen.....\$3.00

No. 2. Oblong Blade.  
Per dozen.....\$2.75

Packed half-dozen in box.

# HENRY DISSTON & SONS

## FOLDING PRUNING SAW, No. 36

The crescent-shaped blade is  $9\frac{1}{2}$ " long, made of the best crucible steel. The teeth are formed to draw the saw into the wood, and the saw cuts on pull. The handle, fitted with our lever-tightener, allows the blade to be adjusted to different angles; also firmly locks the blade in handle when closed.

OPEN

FOLDED



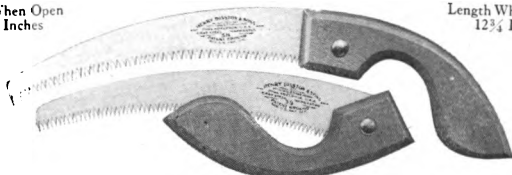
Can be carried in pocket

No. 36. Pruning Saw (Packed one-sixth dozen in box) .....\$10.00 per dozen

## FOLDING PRUNING SAW, No. 38

Length When Open  
 $16\frac{3}{4}$  Inches

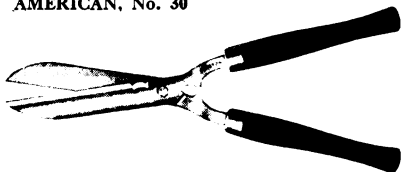
Length When Folded  
 $12\frac{3}{4}$  Inches



The No. 38 blade,  $9\frac{1}{2}$ ", has long, slender teeth. They make a clean, rapid cut on the push or draw stroke. The hardwood handle,  $7\frac{1}{2}$ ", is shaped for a strong, comfortable grip. A nickel-plated screw adjusts blade in handle.

No. 38. Pruning Saw (Packed one-half dozen in box).....\$12.00 per dozen

## DISSTON HEDGE SHEARS AMERICAN, No. 30



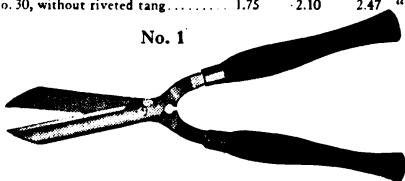
American No. 20. Crucible steel blades, Hardwood handles.....	$\frac{8}{\$1.63}$	$\frac{9}{\$2.00}$	$\frac{10 \text{ inches}}{\$2.38 \text{ each}}$
American No. 30. Same as American No. 20, with blades notched and notches scored to prevent slipping.....	1.88	2.25	2.63 "
The above have tangs extending through handle and riveted.			
No. 100-A. Same as American No. 20, without riveted tang.....	1.52	1.85	2.25 "
No. 101-A. Same as American No. 30, without riveted tang.....	1.75	2.10	2.47 "

## LADIES' PATTERN HEDGE SHEARS

Same type and quality as No. 100-A.

No. 1. Hedge Shears, blades  $6\frac{1}{2}$  inch, \$1.25 each.

No. 1



## HANDLES



Each Handle on the DISSTON Hand Saws is separately slit, bored and fitted to its blade, insuring the correct "Hang" to the saw when entering the work.

The stock handle, bored and slit, will not fit holes in the blade from which old handle has been taken, for the reason given above:

Handles, No.	25, Cherry	(Slit only)	16-20	22-24	26	28	inches
"	66, Beech	"	\$1.55	....	1.65	....	per dozen
"	107, "	(Slit and Bored)	1.75	\$1.75	2.00	\$2.20	"
"	7, "	(Slit only)	2.25	2.25	2.50	2.75	"
"	D100, Apple, Carved	(Bored and Slit)	4.00	4.25	5.00	5.25	"
"	D8, D17	"	3.00	3.25	4.00	4.25	"
"	120, " Carved	"	4.00	4.25	5.00	5.25	"
"	12 and 112, Apple, Carved	(Bored and Slit)	5.25	5.50	6.50	6.75	"
"	16, "	"	4.00	4.25	5.00	5.25	"
"	D20, "	"	....	4.25	5.00	....	"
"	D23, "	"	....	4.25	5.00	....	"
"	D115, D15, Rosewood, Carved	"	9.75	10.25	10.50	....	"
"	American Boy, Cherry	"	4.00	....	....	....	"



No. 4 BACK

## BACK SAW AND COMPASS SAW HANDLES



No. 2 COMPASS

	8-10-12	14-16 inches
Back Saw, No. 1, Beech (Slit only)	\$1.25	\$1.50 per dozen
" " 4, Apple (Back cut out and Slit)	2.75	3.00 "
Compass, " 2, (Slit only)	1.10	1.10 "

## BUTCHER SAW HANDLES



No. 2



No. 5



No. 7

Butcher Saw Handles, Nos. 1, 2, 15, 70 and Pork Packers', Nos. 1 and 2 (Slit only)	\$1.50	per dozen
" " " 3, 13 and 16	3.50	"
" " " 5, 6, 7 and 23	1.75	"
" " " 8 and No. 1 Beef Splitter	2.50	"
" " " 19	2.00	"

Packed one dozen in box.

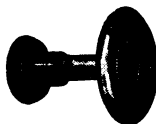
# SAW SCREWS



No. 1



No. 2



No. 4



No. 8, Iron



No. 15, Brass

No. 1	Centennial (Brass Screws)	\$2.40	per gross
" 2	" " " "	2.70	"
" 3	" " " " Small, Warranted Superior.	3.45	"
" 4	" " " " Large,	4.60	"
" 8	Iron Screws,	2.20	"
" 08	" Brass Plated	2.50	"
" 9	" " " "	3.00	"
" 14	Brass Screws, Round Head (small)	3.25	"
" 15	" " " " (large)	3.25	"

Packed in boxes of one dozen.

## Number and Kinds of Screws in Hand Saws

No. 7	{ 28-inch ..... } Three No. 15, One No. 4
	{ 26 " ..... } Three No. 14, One No. 3
	{ 24 " ..... } Three No. 2, One No. 1, One No. 4
	{ 22 " and under..... } Two No. 14, One No. 3
D8, D17	{ 28 " ..... } Four No. 2, One No. 4
	{ 26 " ..... } Three No. 2, One No. 1, One No. 4
	{ 24 " and under..... } Three No. 1, One No. 3
No. 120, D100	{ 26 " and over..... } Four No. 2, One No. 4
	{ 24 " and under..... } Three No. 1, One No. 3
D115, D15	{ 26 " ..... } Four No. 2, One No. 4
	{ 24 " and under..... } Three No. 1, One No. 3
D20, D23	{ 28 and 26-inch..... } Four No. 1, One No. 3
	{ 24-inch and under..... } Three No. 1, One No. 3
Nos. 12, 112	{ 26 " and over..... } Three No. 2, One No. 4
	{ 24 " ..... } Three No. 1, One No. 3
	{ 22 " and under..... } Two No. 1, One No. 3
No. 16	{ 28 " ..... } Three No. 2, One No. 4
	{ 26, 24 and 22-inch..... } Three No. 1, One No. 3
	{ 20-inch ..... } Two No. 1, One No. 3
No. 76	26-inch..... Two No. 2, One No. 1, One No. 4
No. 107	{ 24 " and over..... } Three No. 1, One No. 3
	{ 22 " to 16-inch..... } Two No. 1, One No. 3
No. 3	{ 26 " and over..... } Three No. 1, One No. 3
	{ 24 " and under..... } Two No. 1, One No. 3
Nos. 1, 0	{ 26 " and over..... } Three No. 1, One No. 3
	{ 24 " and under..... } Two No. 1, One No. 3
Nos. 00	All Sizes..... Two No. 1, One No. 3
American Boy	Two No. 1, One No. 3

# WOOD SAW BLADES

CRUCIBLE STEEL, PATENT GROUND AND TEMPERED  
SET AND SHARPENED

## STRAIGHT BREAST



		30	32 inches
No. 6.	Disston Crucible Steel, $2\frac{3}{8}$ inches wide.....	\$6.65	\$7.10 per dozen
" 9.	" Spring " $2\frac{3}{8}$ " ".....	6.65	7.10 "
" 11.	" Extra (for Woodsawyers), $2\frac{3}{8}$ ins....	8.50	8.95 "
" 12.	" " " $1\frac{1}{2}$ " "....	8.50	8.95 "

## PEG TOOTH



		30	32 inches
No. A 6.	Disston Peg Tooth, $2\frac{3}{8}$ inches wide.....	\$7.10	\$7.55 per dozen
" A 9.	" " " $2\frac{3}{8}$ " ".....	7.10	7.55 "
" A11.	" " " $2\frac{3}{8}$ " ".....	8.95	9.40 "
" A12.	" " " $1\frac{1}{2}$ " ".....	8.95	9.40 "

## ROUND-BREASTED



		30	32 inches
No. 26.	Disston Imp'd Round-Breasted, $2\frac{3}{8}$ ins. wide	\$6.65	\$7.10 per dozen
" 111.	" Extra " $2\frac{3}{8}$ " ".....	8.50	8.95 "
" 112.	" " " $1\frac{1}{2}$ " ".....	8.50	8.95 "

## No. 45



		30	32 inches
No. 45.	Disston Improved Round-Breasted, blued $1\frac{1}{4}$ inches wide.....	\$6.00	\$6.45 per dozen

## No. 7



		30	32 inches
No. 7.	Disston Improved Wood Saw Blade, $2\frac{3}{8}$ inches wide, $3\frac{1}{2}$ points to the inch.....	\$7.10	\$7.55 per dozen
	Wood Saw Blades with Peg Tooth, advance 45c. per dozen.		

Packed one dozen in bundle.



**WOOD SAW BLADES**
**CRUCIBLE STEEL, PATENT GROUND AND TEMPERED  
SET AND SHARPENED**
**CHAMPION TOOTH, No. 16**


No. 16.	Disston Crucible Steel, 2 $\frac{3}{4}$ inches wide.....	30	32 inches
		\$7.10	\$7.55 per dozen

**TUTTLE TOOTH, No. 66**


No. 66.	Disston Crucible Steel, 2 $\frac{3}{4}$ inches wide.....	30	32 inches
		\$7.10	\$7.55 per dozen

**LUMBERMAN TOOTH, No. 77**


No. 77.	Disston Improved Wood Saw Blade, 2 $\frac{3}{4}$ inches wide.....	30	32 inches
		\$7.10	\$7.55 per dozen

**MARSHALL, No. 3**


No. 3.	Marshall, 2 $\frac{1}{4}$ inches wide.....	30	32 inches
	" Peg Tooth, 2 $\frac{1}{4}$ inches wide.....	\$4.40	\$4.85 per dozen
		4.85	5.30 "

**JACKSON, No. 4**


No. 4.	Jackson, 2 inches wide.....	30	32 inches
	" Peg Tooth, 2 inches wide.....	\$3.50	\$3.95 per dozen
		3.95	4.40 "
No. 245.	Round Breasted, Blued, 1 $\frac{1}{4}$ inches wide.....	3.50	3.95 per dozen
No. 245.	" Peg Tooth, 1 $\frac{1}{4}$ inches wide..	3.95	4.40 "

**MONTANA, No. 2**


No. 2.	Montana, 1 $\frac{1}{4}$ inches wide.....	30	32 inches
		\$3.00	\$3.45 per dozen

Packed one dozen in bundle.

# WOOD SAW RODS

Made of steel wire, with strong, square cut threads. Will not strip or pull out. The loops are riveted with strong, heavy heads, making positively the best line of Wood Saw Rods on the market.

22-inch Rods suitable for saws with 30-inch blade

24 " " " " " " 32 " "

## JUMBO ROD



	22	24 inches
Plain.....	\$9.75	\$10.75 per gross
Tinned.....	12.00	13.00 "

## CLIPPER ROD



	22	24 inches
Plain.....	\$7.50	\$8.00 per gross
Tinned.....	9.75	10.25 "

## CLIMAX ROD



	22	24 inches
Plain.....	\$8.00	\$8.50 per gross
Tinned.....	10.75	11.25 "

## PATENT DUPLEX ROD

Extra quality material, special cut thread. The rod is shouldered to give extra strength where thread is cut.



	22	24 inches
Plain.....	\$10.50	\$11.50 per gross
Tinned.....	14.00	15.00 "

Packed one dozen in paper box.

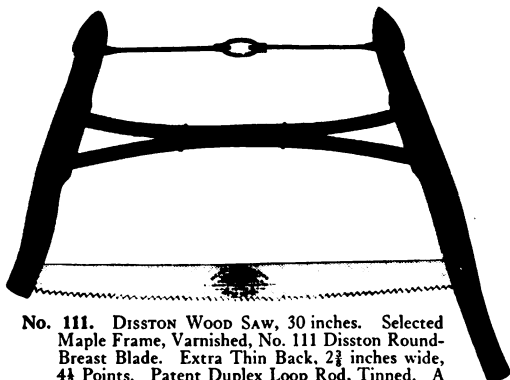
## RODS FOR WEB SAW FRAME

Size of Frame	12	14	16	18	20	22	24	inches
" " Rod	15	17	19	21	23	25	27	"
Price.....	\$6.25	6.50	6.75	7.00	7.25	7.50	7.75	per gross
Size of Frame	26	28	30	32	34	36	38	inches
" " Rod	29	31	33	35	37	39	41	"
Price.....	\$8.00	8.25	8.50	8.75	9.00	9.25	9.50	per gross

Web Saw Rods are three inches longer than the blades.  
Packed one dozen in paper box.

# WOOD SAWS

## WOOD SAWYER'S DELIGHT, No. 111



**No. 111.** DISSTON WOOD SAW, 30 inches. Selected Maple Frame, Varnished, No. 111 Disston Round-Breast Blade. Extra Thin Back,  $2\frac{3}{4}$  inches wide,  $4\frac{1}{2}$  Points. Patent Duplex Loop Rod, Tinned. A practical wood sawyer's saw and the best made.  
 Price.....\$12.00 per dozen

## IMPERIAL, No. 47

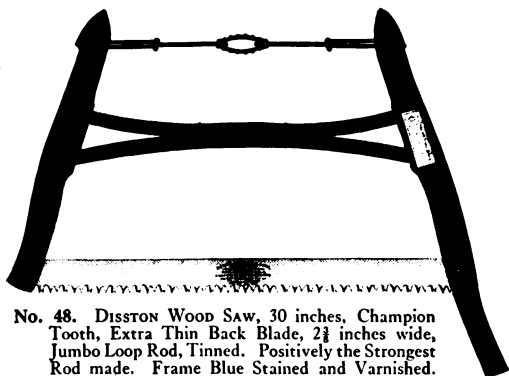


**No. 47.** DISSTON WOOD SAW, 30 inches, No. 7 Extra Thin Back Straight-Breast Blade,  $2\frac{3}{4}$  inches wide,  $3\frac{1}{2}$  Points. Mahogany Stained Frame, Varnished, Patent Duplex Loop Rod, Tinned. The most practical and fastest cutting saw made.  
 Price.....\$12.00 per dozen

Packed half dozen in box

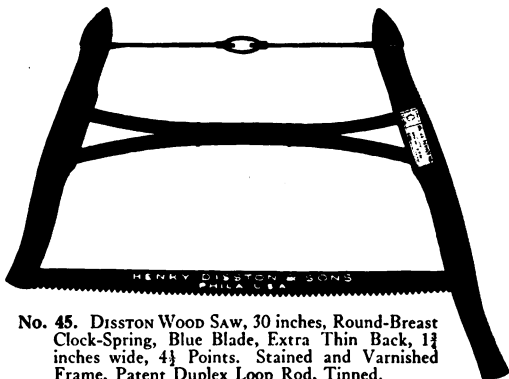
## WOOD SAWS

IMPERIAL BLUE, CHAMPION TOOTH, No. 48



No. 48. DISSTON Wood Saw, 30 inches, Champion Tooth, Extra Thin Back Blade,  $2\frac{1}{4}$  inches wide, Jumbo Loop Rod, Tinned. Positively the Strongest Rod made. Frame Blue Stained and Varnished.  
Price.....\$12.00 per dozen

PERFECTION, No. 45

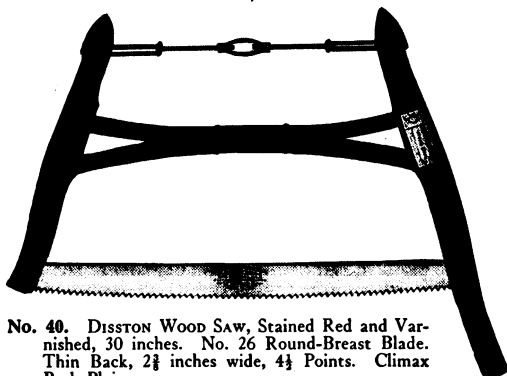


No. 45. DISSTON Wood Saw, 30 inches, Round-Breast Clock-Spring, Blue Blade, Extra Thin Back,  $1\frac{1}{2}$  inches wide,  $4\frac{1}{2}$  Points. Stained and Varnished Frame, Patent Duplex Loop Rod, Tinned.  
Price.....\$10.50 per dozen

Packed half dozen in box

# WOOD SAWS

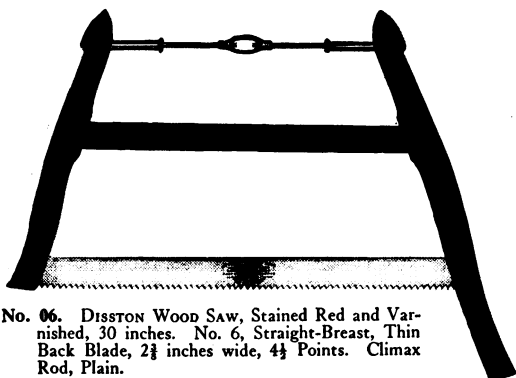
ECLECTIC, No. 40



**No. 40.** DISSTON WOOD SAW, Stained Red and Varnished, 30 inches. No. 26 Round-Breast Blade. Thin Back,  $2\frac{3}{4}$  inches wide,  $4\frac{1}{2}$  Points. Climax Rod, Plain.

Price.....\$10.50 per dozen

No. 06



**No. 06.** DISSTON WOOD SAW, Stained Red and Varnished, 30 inches. No. 6, Straight-Breast, Thin Back Blade,  $2\frac{3}{4}$  inches wide,  $4\frac{1}{2}$  Points. Climax Rod, Plain.

Price.....\$10.00 per dozen

Packed half dozen in box

# WOOD SAWS

SPECIAL, No. 50



**No. 50.** SPECIAL WOOD SAW, Stained Red and Varnished, 30 inches. No. 50 Red Frame, Clipper Rod, Plain, with Wide, Blued or Bright, Round or Straight-Breast Blade, 2½ inches wide.. Etched to order.

Price.....\$7.75 per dozen

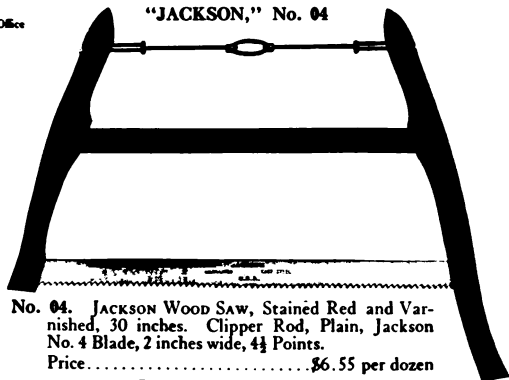
Natural finish at same price

**No. 150.** Red stained and varnished frame, 30 inches, improved brace, one rivet, No. 245 Plain Tooth, blued round-breast blade, plain Clipper rod.  
Price.....\$7.00 per dozen

**No. 150.** With Champion, Lumberman, Tuttle or Peg Tooth blade, 2 inches wide, 30 inches. Price.....\$7.45 per dozen

Trade Mark  
Registered  
U. S. Patent Office

"JACKSON," No. 04



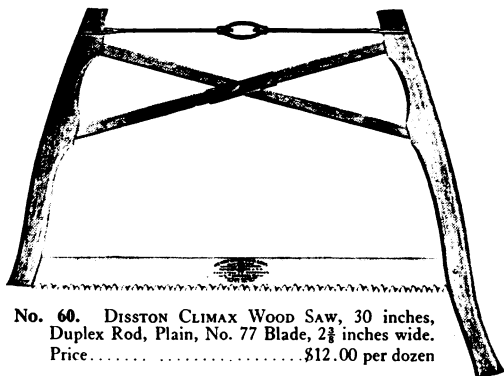
**No. 04.** JACKSON WOOD SAW, Stained Red and Varnished, 30 inches. Clipper Rod, Plain, Jackson No. 4 Blade, 2 inches wide, 4½ Points.

Price.....\$6.55 per dozen

Packed half dozen in box

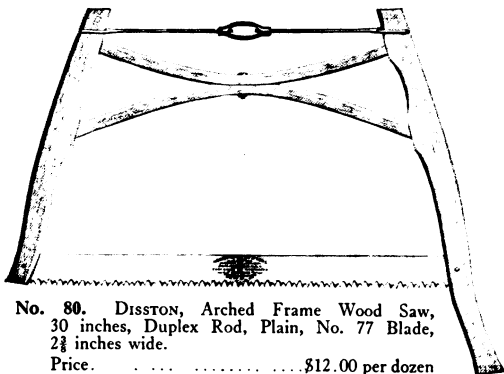
# WOOD SAWS

## CLIMAX FRAME, No. 60



No. 60. DISSTON CLIMAX WOOD SAW, 30 inches,  
Duplex Rod, Plain, No. 77 Blade,  $2\frac{3}{8}$  inches wide.  
Price.....\$12.00 per dozen

## BRACE FRAME, No. 80

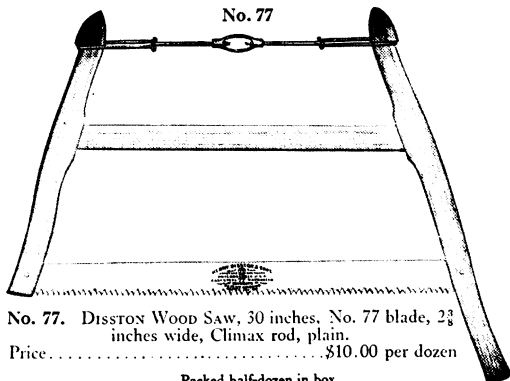


No. 80. DISSTON, Arched Frame Wood Saw,  
30 inches, Duplex Rod, Plain, No. 77 Blade,  
 $2\frac{3}{8}$  inches wide.  
Price. ....\$12.00 per dozen

Packed half-dozen in box.

# WOOD SAWS

No. 77

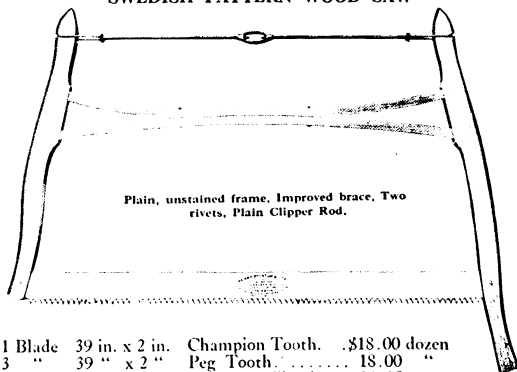


No. 77. DISSTON WOOD SAW, 30 inches, No. 77 blade, 2 $\frac{3}{8}$  inches wide, Climax rod, plain.

Price.....\$10.00 per dozen

Packed half-dozen in box

## SWEDISH PATTERN WOOD SAW



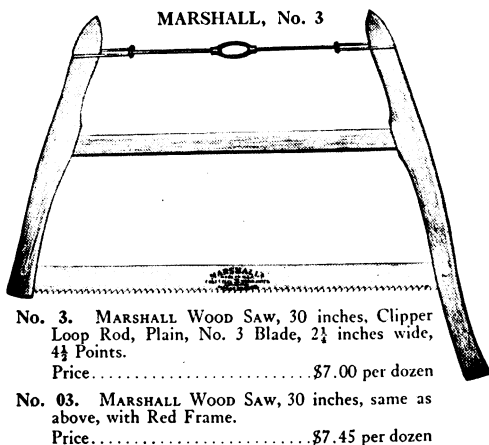
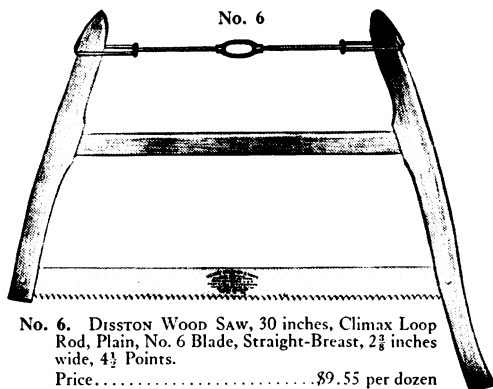
Plain, unstained frame, Improved brace, Two rivets, Plain Clipper Rod.

No. 231	Blade	39 in. x 2 in.	Champion Tooth.	..\$18.00 dozen
" 233	"	39 " x 2 "	Peg Tooth.....	18.00 "
" 241	"	48 " x 2 "	Champion Tooth....	20.25 "
" 242	"	42 " x 2 "	Peg Tooth.....	..\$19.00 dozen
" 243	"	48 " x 2 "	Peg Tooth.....	20.25 "
" 342	"	48 " x 3 "	Peg Tooth.....	23.50 "

Packed half-dozen in box



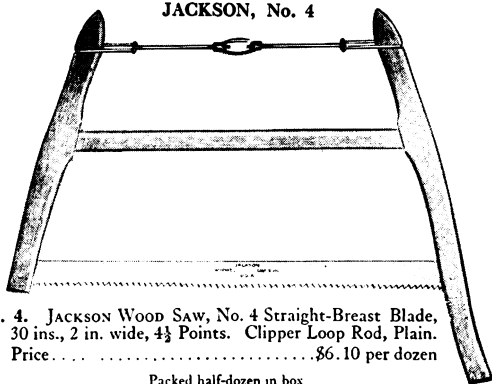
# WOOD SAWS



Packed half-dozen in box.

# WOOD SAWS

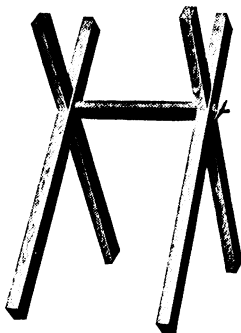
JACKSON, No. 4



No. 4. JACKSON WOOD SAW, No. 4 Straight-Breast Blade, 30 ins., 2 in. wide,  $4\frac{1}{2}$  Points. Clipper Loop Rod, Plain.  
Price.....\$6.10 per dozen

Packed half-dozen in box

SAW BUCK, No. 2



No. 2. Made of carefully selected wood, well finished, with strong rod, etc.  
Price.....\$2.95 per dozen

"PERFECTION"  
No. 3 FOLDING SAW BUCK



No. 3. Made of carefully selected Maple, well seasoned, natural finish. The legs are 2 inches x  $\frac{1}{2}$  inch, 30 $\frac{1}{2}$  inches long, strongly braced. The malleable iron castings at each side of the centre brace support the weight, making possible a light but durable Saw Buck. The centre brace is covered with a wood cylinder 2 x 14 inches. This cylinder revolves, and serves to protect the brace from the saw. When opened, the top of centre brace is 15 $\frac{1}{2}$  inches from the ground.  
Price.....\$4.25 per dozen



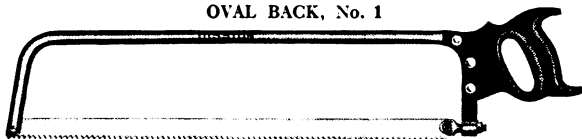
## BUTCHERS' SAWS

The Disston Butchers' Saws are made with solid steel backs, carefully forged; solid forged sockets. The stretchers are simple in construction but effective.

All handles are made of well-seasoned wood and shaped to give an easy, comfortable grip.

Having all facilities in this department, we are enabled to produce and maintain the highest standard of quality.

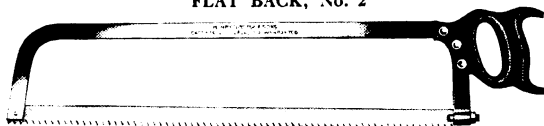
### OVAL BACK, No. 1



Beech Handle, Polished Edge, Brass Screws, Oval Back,  $\frac{3}{4}$  inch x  $\frac{3}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade, 5 inches. Bright blade; 14 and 16-inch blade is one inch wide; 18-inch and over,  $1\frac{1}{4}$  inches wide, 11 points.

	14	16	18	20	22	24	inches
No. 1	\$13 25	14.00	14.75	15.50	16 50	17 50	per dozen

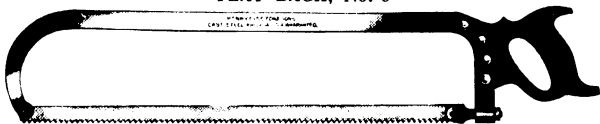
### FLAT BACK, No. 2



Beech Handle, Polished Edge, Nickel-Plated Screws, Flat Back,  $\frac{7}{8}$  inch x  $\frac{3}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{2}$  inches. Bright blade, 1 inch wide. 11 points.

	14	16	18	20	22	24	inches
No. 2	\$11.00	11.50	12.00	12.50	13.25	14.00	per dozen

### FLAT BACK, No. 3



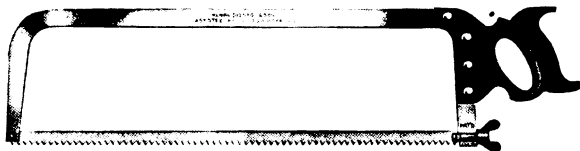
Apple Handle, Polished Edge, Brass Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{2}$  inches. Bright blade, 1 inch wide. 11 points.

	16	18	20	22	24	inches
No. 3	\$16.50	17.25	18.00	18.75	19.50	per dozen

Packed one-third dozen in box

# BUTCHERS' SAWS

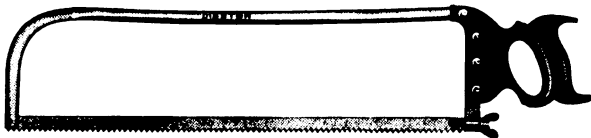
## CALIFORNIA, No. 5, FLAT BACK CLOCK-SPRING BLUED BLADE



Beech Handle, Polished Edge, Brass Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade, 6 inches. Clock-spring, blued blade,  $\frac{3}{4}$  inch wide, 13 points, fastened with screw in front end.

	18	20	22	24	26 inches
No. 5. Polished.....	\$18.50	19.00	19.50	20.00	21.00 per dozen
" 5 $\frac{1}{2}$ . Nickel-plated..	22.50	23.00	23.50	24.00	25.00 "

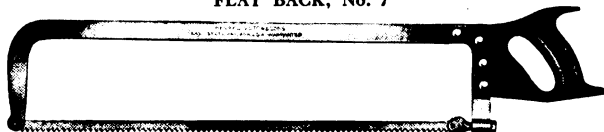
## CALIFORNIA, No. 6, OVAL BACK



Beech Handle, Polished Edge, Brass Screws, Oval Back,  $\frac{3}{4}$  inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade, 5 $\frac{1}{2}$  inches. Blued blade,  $\frac{3}{4}$  inch wide, 11 Points.

	16	18	20	22	24 inches
No. 6.....	\$16.25	16.75	17.50	18.50	19.50 per dozen

## FLAT BACK, No. 7



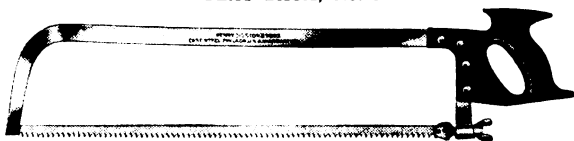
Beech Handle, Polished Edge, Brass Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade, 5 inches. Bright blade,  $\frac{3}{4}$  inch wide, 10 points.

	16	18	20	22	24	26	28 inches
No. 7. Polished.....	\$13.50	14.25	15.00	15.75	16.50	17.25	18.00 per dozen
No. 7 $\frac{1}{2}$ . Nickel-plated..	17.50	18.25	19.00	19.75	20.50	21.25	22.00 "

Packed one-third dozen in box

# BUTCHERS' SAWS

## FLAT BACK, No. 8

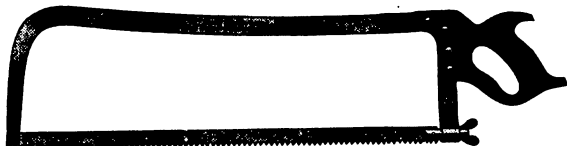


Beech Handle, Polished Edge, Brass Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{2}$  inches. Bright blade,  $\frac{1}{8}$  inch wide, 10 points.

	16	18	20	22	24	26	28 inches
No. 8 . . . . .	\$17.75	18.25	19.00	20.00	21.00	22.00	23.00 per dozen

Handles specially made with thumb-hold, giving an easy, comfortable grip and perfect control over the saw

## FLAT BACK, No. 13

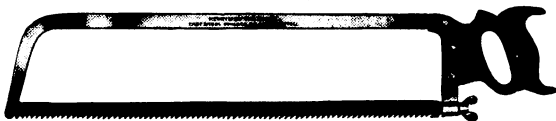


Cherry Handle, Polished Edges, Nickel-plated Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch, special temper and tension. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $5\frac{1}{4}$  inches. Clock-spring blade, 24 gauge,  $\frac{3}{4}$  inch wide, 13 points to the inch.

	16	18	20	22	24	26 inches
No. 13 . . . . .	\$20.00	20.50	21.00	21.50	22.00	23.00 per dozen

The manner of inserting and fastening the blade in this saw is quick and easy. Front end of blade is fastened with a threaded screw, the blade is held at the stretcher end by a loose pin, giving a quick and easy adjustment. Diamond shape stretcher passing through a diamond shape eye, tightening with a wing nut, makes the saw sanitary.

## FLAT BACK, No. 15

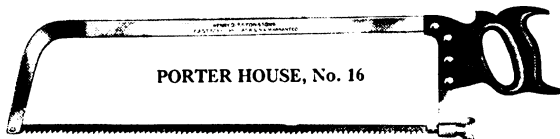


Beech Handle, Polished Edge, Brass Screws, Flat Back,  $\frac{1}{8}$  inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{2}$  inches. Blued blade, 1 inch wide, 11 points.

	16	18	20	22	24	26	28 inches
No. 15 . . . . .	\$11.75	12.50	13.25	14.00	14.50	15.50	16.50 per dozen

Packed one-third dozen in box

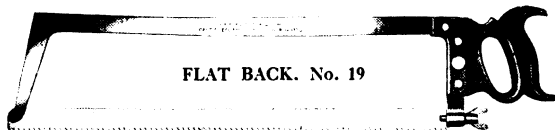
# BUTCHERS' SAWS



PORTER HOUSE, No. 16

Apple Handle, Polished Edge, Nickel-plated Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $5\frac{1}{8}$  inches. Clock-spring blued blade,  $\frac{1}{2}$  inch wide, 14 points, fastened with screw in front end.

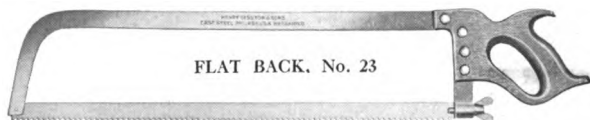
		16	18	20	22	24	26	28	inches
No. 16.	Polished.....	\$13.75	14.50	15.25	16.25	17.00	18.00	19.00	per dozen
" 16 $\frac{1}{2}$ .	Nickel-plated.....	17.75	18.50	19.25	20.25	21.00	22.00	23.00	"



FLAT BACK, No. 19

Beech Handle, Polished Edge, Brass Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $5\frac{1}{8}$  inches. Bright blade,  $1\frac{1}{2}$  inches wide. 11 points.

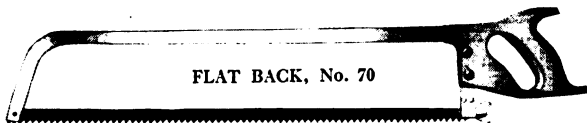
		16	18	20	22	24	26	28	inches
No. 19.	Polished.....	\$18.50	19.25	20.00	21.00	22.00	23.00	24.00	per dozen
" 19 $\frac{1}{2}$ .	Nickel-plated.....	22.50	23.25	24.00	25.00	26.00	27.00	28.00	"



FLAT BACK, No. 23

Beech Handle, Polished Edge, Nickel-Plated Screws, Flat Back, 1 inch x  $\frac{1}{4}$  inch. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{8}$  inches. Bright blade, 1 inch wide. 11 points.

		16	18	20	22	24	26	28	inches
No. 23	.....	\$15.75	16.50	17.25	18.00	18.75	19.50	20.25	per dozen

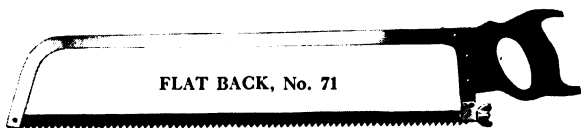


FLAT BACK, No. 70

Beech Handle, Polished Edge, Steel Screws, Flat Back,  $\frac{1}{2}$  inch x  $\frac{1}{4}$  inch, Square Edge. Depth from inside centre-edge of 24-inch frame to tooth-edge of blade,  $4\frac{1}{8}$  inches. Blued blade,  $\frac{1}{2}$  inch wide, 11 points.

		14	16	18	20	22	24	26	28	inches
No. 70	.....	\$8.75	9.25	9.75	10.40	11.00	11.75	12.50	13.25	per dozen

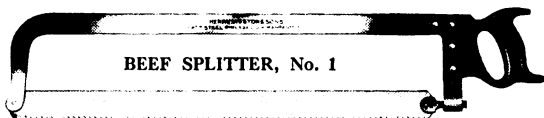
Packed one-third dozen in box



**FLAT BACK, No. 71**

Beech Handle, Polished Edge, Steel Screws, Flat Back,  $\frac{3}{4}$ " x  $\frac{1}{4}$ " Square Edge.  $4\frac{1}{2}$  inches from inside centre-edge to tooth-edge in 24-inch size. Blued Blade,  $\frac{3}{4}$  inch, 11 points.

14	16	18	20	22	24	26	28	inches
\$9.40	10.00	10.50	11.00	11.50	12.35	13.00	14.00	per dozen

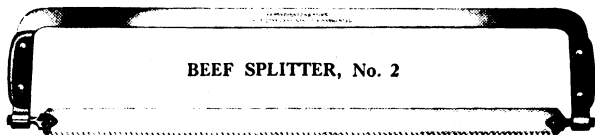


**BEEF SPLITTER, No. 1**

Beech Handle, Polished Edge, Brass Screws, Flat Back,  $1\frac{1}{2}$  inch x  $\frac{1}{2}$  inch. Depth from inside centre-edge of 28-inch frame to tooth-edge of blade,  $5\frac{1}{4}$  inches. Bright heavy blade, 2 inches wide, 8 Points fastened with screw in front end.

No. 1	24	26	28	30	32	34	inches
	\$25.00	24.00	25.00	26.25	27.50	29.00	per dozen

Packed one-third dozen in box



**BEEF SPLITTER, No. 2**

Beech Grips, Polished Edge, Brass Screws, Flat Back,  $1\frac{1}{2}$  inch x  $\frac{3}{8}$  inch, depth from inside centre-edge of frame to tooth-edge of blade,  $6\frac{1}{4}$  inches. Bright, heavy blade, 2 inches wide, 8 Points.

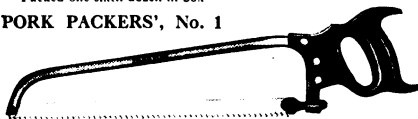
No. 2	34 in.	36 in.
	\$4.00	\$4.50 each

The length or size is determined by the length of the blade it takes, measured over all.

Packed one-sixth dozen in box

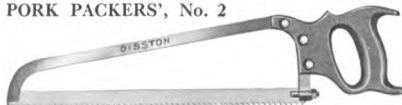
**PORK PACKERS', No. 1**

Beech Handle, Polished Edge, Brass Screws, Oval Back,  $\frac{1}{2}$  inch x  $\frac{1}{8}$  inch. Bright blade, 1 inch wide, 11 Points.



No. 1	14 in.	16 in.	18 in.
	\$12.25	\$13.00	\$13.75 per dozen

**PORK PACKERS', No. 2**



Beech Handle, Polished Edge, Brass Screws, Flat Back,  $\frac{1}{2}$  inch x  $\frac{1}{8}$  inch. Bright blade, 1 inch wide, 11 Points.

No. 2	14 in.	16 in.	18 in.
	\$10.25	\$11.00	\$11.75 per dozen

Packed one-third dozen in box

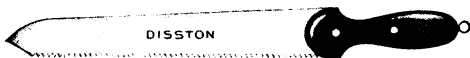


# DE-HORNING, No. 6



Japanned Malleable Iron Frame, Beech Handle, complete, with Blade 10 inches long, 1-inch wide.  
**No. 6. Complete.** . . . \$7.00 per dozen      Blades only . . . . . \$1.30 per dozen  
 Packed half dozen in box.

## SAW KNIVES CRUCIBLE STEEL BLADE



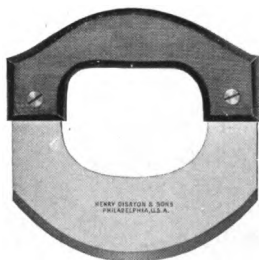
**Disston** . . . . . \$4.30 per dozen      **Keystone** . . . . . \$3.45 per dozen  
 Packed one dozen in box.

## MINCING KNIVES

- No. 4.** Crucible steel blade, plain Beech handle, brass screws. . . . . \$22.00 per gross
- No. 6.** Crucible steel blade, Beech handle, varnished edges, brass screws, \$27.50 per gross
- No. 8.** Heavy crucible steel blade, Beech handle, varnished edges, brass screws, \$29.50 per gross.

Nos. 4 and 6 same pattern, but smaller in size than No. 8.  
 Packed one dozen in box.

## BUTCHERS' BLOCK SCRAPERS

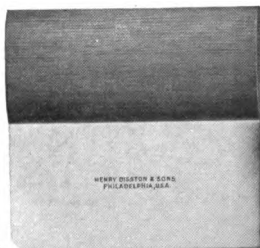


No. 8

## WALL SCRAPERS

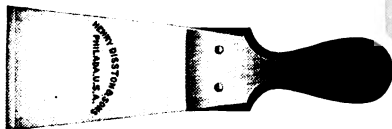
- | No                          | Per doz. |
|-----------------------------|----------|
| 1. Cast steel, 3 ins. wide, | \$1.50   |
| 2. Cast steel, 4 ins. wide, | 1.70     |
| 6. Special, 4 ins wide,     | 1.05     |

Packed one dozen in box.



Butchers' Block Scrapers, plain Beech handle, six-inch blade, 5 inches wide, \$3.75 per dozen.

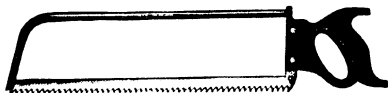
Packed one dozen in box.



No. 2

# KITCHEN SAWS

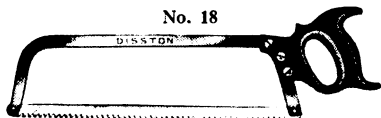
STANDARD, No. 0



Round Back,  $\frac{3}{8}$  inch, Bright Blade,  $\frac{3}{4}$  inch wide.

	12	14	16 inches
No. 0 .....	\$5.10	5.10	5.60 per dozen

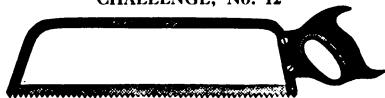
No. 18



Heavy Flat Back,  $\frac{5}{8}$  inch x  $\frac{1}{2}$  inch, Bright Blade,  $\frac{3}{4}$  inch wide.

	12	14	16	18 inches
No. 18 .....	\$6.30	6.30	7.00	7.75 per dozen

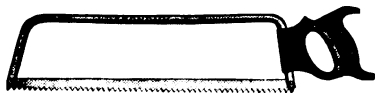
CHALLENGE, No. 12



Flat Back,  $\frac{1}{2}$  inch x  $\frac{1}{2}$  inch, Blade,  $\frac{5}{8}$  inch wide.

	12	14	16 inches
No. 12 .....	\$3.40	3.40	3.70 per dozen

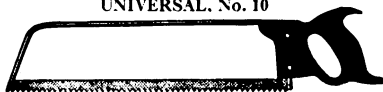
ECONOMY, No. 1000



Oval Back,  $\frac{1}{2}$  inch x  $\frac{1}{2}$  inch, Blade,  $\frac{3}{4}$  inch wide.

	12	14	16 inches
No. 1000 .....	\$3.80	3.80	4.10 per dozen

UNIVERSAL, No. 10



Round Back,  $\frac{1}{2}$  inch, Blade,  $\frac{3}{4}$  inch wide.

	12	14	16 inches
No. 10 .....	\$3.15	3.15	3.45 per dozen

Packed half dozen in box.

## BUTCHER SAW BLADES



Bright blades, $\frac{3}{4}$ to $1\frac{1}{2}$ inches wide, inclusive							
12	14	16	18	20	22	24	26
\$2.90	3.10	3.30	3.50	3.70	3.90	4.10	4.30
Bright blades $1\frac{1}{2}$ to 2 inches wide, inclusive							
16	18	20	22	24	26	28	inches
\$3.90	4.10	4.30	4.50	4.70	4.90	5.10	per dozen

WHEN WIDTHS OF BRIGHT BLADES ARE NOT SPECIFIED ON ORDER,  $1\frac{1}{4}$  INCH WILL BE SENT.  
REGULARLY MADE 11 POINTS TO INCH, NOT PUNCHED AT ENDS.

## CLOCK-SPRING BLUED BLADES

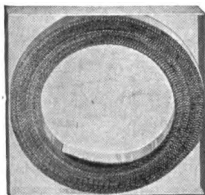
	12	14	16	18	20	22	24	26	28	inches
To $1\frac{1}{2}$ inches wide.....	\$3.10	3.30	3.50	3.70	3.90	4.10	4.30	4.50	4.75	per dozen
To 2 " " " " " " " "	3.70	3.90	4.10	4.30	4.50	4.70	4.90	5.10	5.35	" "

WHEN WIDTHS OF BLUED BLADES ARE NOT SPECIFIED ON ORDER,  $\frac{3}{4}$  INCH WILL BE SENT.  
REGULARLY MADE 13 POINTS TO INCH, NOT PUNCHED AT ENDS.

## BUTCHER BLADES IN COIL

EITHER BLUED OR BRIGHT

The coil of Butcher Blade is intended for use only in butcher saw frames. operated by hand



The blade is not suitable for band saw use. Blades for machine power are specially made. See page 57.

$\frac{1}{4}$  inch wide, 7 cents.

$\frac{3}{8}$  inch wide, 8 cents.

$\frac{1}{2}$  inch wide, 9 cents per foot.

Packed in coils of 25 and 50 feet. 50-foot coil (blue finish) sent when not otherwise specified.

No warranty on these saws except for visible defects as shown by split teeth

## "MIDGET" SAW PUNCH, No. 1



Made expressly for punching holes in Butcher Blades, etc., not heavier than 22 gauge.

No. 1. Iron handle.....\$1.40 each

No. 2. Iron handle, lighter weight....\$0.50 each

# "HAND" HACK SAWS



**No. 340. For Cutting Iron and Steel.** Made especially for use of Structural Iron Workers, particularly in places and positions where the ordinary hack frame cannot be used. Blade of special high temper, hollow ground for clearance, requiring no set on teeth. 12 points to inch. Do not attempt to set.

16	18	20	22	24	26	28	30	inches
\$20.75	23.00	25.00	28.00	30.25	32.50	36.00	39.00	per dozen

**No. 341. For Cutting Copper and Brass.** Similar to No. 340. Same price. Made 10 points to inch. Do not attempt to set teeth.

**No. 342. For Cutting Metal Trim.** Designed especially for cutting light-pressed steel shapes—steel mouldings and metal trim of all kinds. Special high temper, hollow ground for clearance, requiring no set. 16 points to inch. Do not attempt to set.

18-inch.....	\$23.00	20-inch.....	25.00	22-inch.	28.00 per dozen
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**No. 343. For Cutting Kalamein.** Soft metal drawn over a wooden or composition body—and material of a similar nature. 11 points to inch. Teeth can be set and filed.

16	18	20	22	24	26	28	30	inches
\$14.75	16.25	18.00	20.00	21.50	22.50	25.50	28.50	per dozen

## BACK SAWS FOR METAL



**No. 440. For Cutting Steel or Iron.** 12 points to inch.

	20	22	24	26	28	30	32	inches
4-inch under back,	\$30.00	32.50	35.00	37.50	40.00	42.50	45.00	dozen
5 " " "		35.65	38.75	41.90	45.00	48.15	51.25	"

**No. 441. For Cutting Copper.** 10 points to inch Same price as No. 440.

**No. 442. For Cutting Metal Trim.** 15 points to inch. Same price as No. 440

Above saws special high temper. Do not attempt to set teeth.

**No. 443. For Cutting Kalamein.** 11 points to inch.

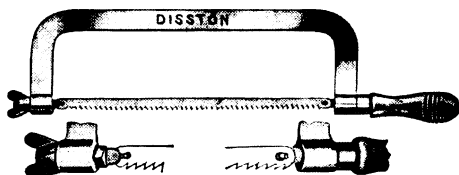
	20	22	24	26	28	30	32	inches
4-inch under back,	\$24.00	26.00	28.00	30.00	32.00	34.00	36.00	dozen
5 " " "		28.50	31.00	33.50	36.00	38.50	41.00	"

For Filing Nos. 340, 341, 342, 440, 441 and 442 we recommend a Disston Superfine 5-inch, 3-square Metal Saw File, No. 2 Cut.

For Nos. 343 and 443 use a Disston 5½-inch Slim Taper File.

# HACK SAW FRAMES

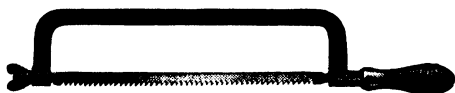
## REVERSIBLE FRAME, No. 1



Solid Flat Back, Forged Steel Frame, Solid Sockets, Hardwood Handle, Polished. Depth from inside edge of 10-inch frame to tooth-edge of blade,  $3\frac{1}{8}$  inches.

No. 1. Polished, frame only	8	9	10	12	14	16	inches
	\$9.00	9.50	10.00	11.00	12.00	13.00	per dozen
No. 1½. Nickel-plated, frame only	8	9	10	12	14	16	inches
	\$11.00	11.50	12.00	13.00	14.50	15.50	"

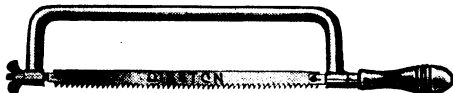
## "KEYSTONE" REVERSIBLE FRAME, No. 2



Solid Oval Back, Hardwood Handle, Depth from inside edge of 10-inch frame to tooth-edge of blade,  $2\frac{1}{4}$  inches.

No. 2. Japanned, frame only	8	9	10	12	14	16	inches
	\$5.15	5.35	5.60	5.80	6.00	6.25	per dozen
" 3. Polished	8	9	10	12	14	16	inches
	6.85	7.10	7.30	7.50	7.75	8.00	"

## IMPROVED REVERSIBLE FRAME, No. 18



Solid Oval Back, Tinned, Extra Strong, Square Stretcher, Reversible, Hardwood Handle, Polished. Depth from inside edge of 12-inch frame to tooth-edge of blade, 3 inches.

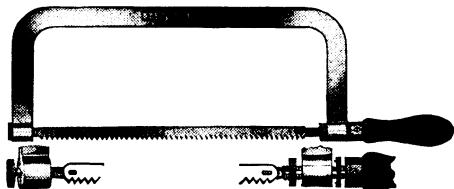
No. 18. Tinned, frame only	8	9	10	11	12	14	16	18	inches
	\$6.00	6.25	6.50	6.75	7.00	7.50	8.00	8.50	per dozen

No. 18 FOR DISSTON HOLLOW-GROUND BLADE AND THOSE ON WHICH THE LENGTH IS MEASURED OVER ALL.

Packed one frame in box

# HACK SAW FRAMES

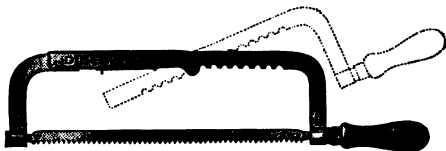
No. 25



Solid Steel Flat Back 1 inch x  $\frac{1}{4}$  inch, Depth  $4\frac{1}{2}$  inches from inside edge of frame to edge of blade. Polished Hardwood Handle. This is the strongest frame made. No riveted parts. Reversible Stretcher, special adjustment, sockets of solid steel forged. Made for 12-inch blades only.

No. 25. Polished, Frame only.....\$16.00 per dozen  
 " 25 $\frac{1}{2}$ . Nickel-plated, Frame only..... 19.00 "

## IMPROVED ADJUSTABLE, No. 31



Steel Frame, Riveted Sockets, Polished Hardwood Handle. Blade readily inserted; parts will not fall out while readjusting. Adjustable to half-inches.

Depth from inside edge of frame to tooth-edge of blade,  $3\frac{3}{8}$  inches. Adapted for blades 8 to 12 inches.

No. 31. Polished, Frame only.....\$16.25 per dozen  
 " 31 $\frac{1}{2}$ . Nickel-plated, Frame only..... 18.00 "

No. 100



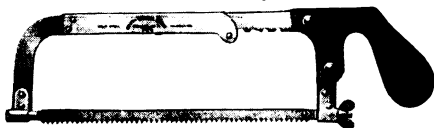
Steel Frame, Nickered, Riveted Sockets, Reversible, Black Hardwood Handle. Stretchers will not fall out while readjusting. Depth from inside edge of frame to tooth-edge of blade,  $3\frac{5}{8}$  inches. Made for 8-inch blade only.

No. 100. Nickered, Frame only.....\$6.00 per dozen

Packed one frame in box

# HACK SAW FRAMES

No. 35½

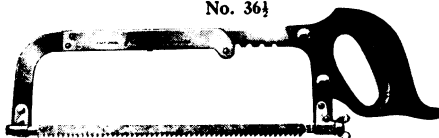


Extension  
Frame

Pistol Grip Handle, Hardwood, Black Finish, Steel Frame, Nickel-plated, adjustable by half inches to take in blades 8 to 12 inches. Riveted sockets. Reversible stretchers; will not fall out while readjusting.

No. 35½. Frame only. . . . . \$16.00 per dozen

No. 36¼

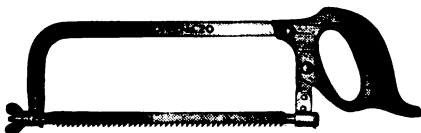


Extension  
Frame

Closed Handle, Hardwood, Black Finish, Steel Frame, Nickel-plated, adjustable by half inches to take in blades 8 to 12 inches. Riveted sockets. Reversible stretchers; will not fall out while readjusting.

No. 36¼. Frame only. . . . . \$16.00 per dozen

No. 2.

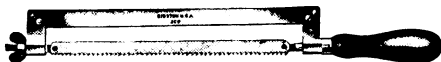


Steel Frame, Nickeled, Riveted Sockets, Reversible, Hardwood Handle. Stretchers will not fall out while readjusting. Depth from inside of frame to tooth-edge of blade 3¼ inches.

	8	9	10	12 inches
No. 20. Frame only . . . . .	\$8.00	\$8.50	9.00	10.00 per dozen

Put up one frame in a box.

No. 200



Depth, 1 inch from tooth-edge to inside of Back.

Steel Frame, Square Stretcher, Reversible four positions, Hardwood Handle.

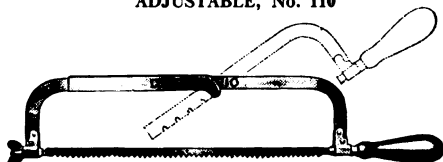
The low-back frame permits its use in extremely close quarters and affords better control of the saw. Adapted especially for electricians and plumbers, etc. Takes in 8-inch blade, measured centre to centre of holes.

No. 200. Frame and Blade . . . . . \$6.50 per dozen

Packed one-sixth dozen in box.

# HACK SAW FRAMES

ADJUSTABLE, No. 110

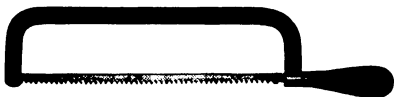


Steel Frame, Nickeled, Riveted Sockets, Reversible, Black Hardwood Handle. Blade easily inserted. Stretchers will not fall out while readjusting. Adjustable 8 to 12 inches. Depth from inside edge of frame to tooth-edge of blade,  $3\frac{1}{2}$  inches.

No. 110. Nickeled, Frame only.....\$8.00 per dozen

Packed one frame in box.

# EAGLE HACK SAW, No. 115



Japanned Frame and Handle. Stretcher made with a square stock, preventing blade from turning. The blade can readily be loosened or tightened by turning handle. Depth from inside edge of 12-inch frame to tooth-edge of blade,  $2\frac{1}{2}$  inches.

	8	9	10	12	14 inches
No. 115. Frame only...	\$3.60	4.20	4.50	4.80	5.20 per dozen

Packed one in a box.

# SCREW SLOTTING HACK BLADES



Disston Special Crucible Steel, tapered and hollow ground to run without set. Tempered so they can be refilled. Milled teeth. Put up in a set of four blades, one each.

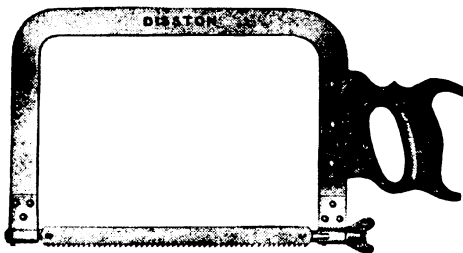
8 in. centre to centre of holes,	$\frac{1}{2}$ in. wide,	12 gauge (.109)	24 Points	\$0.26	each
8 " " "	" "	14 " (.083)	24 " "	0.23	"
8 " " "	" "	16 " (.065)	24 " "	0.22	"
8 " " "	" "	18 " (.049)	24 " "	0.19	"

Screw Slotting Blades.....\$0.90 per set



# RAIL HACK SAWS

No. 6



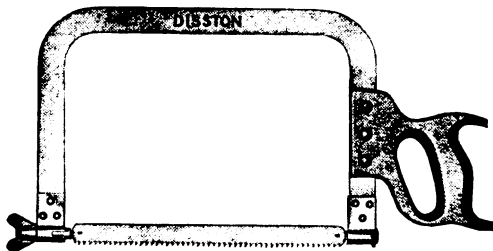
Nos. 6, 7, 8, 9, 10, Steel Frame, Polished, Riveted Sockets. Strong and durable.

These are specially adapted for Large Work, cutting off Iron Beams, Girders, etc., and will be found a very valuable tool for Contractors.

No. 6.	7½ in.	inside of frame to tooth-edge, suitable for	9 in. blades,	\$15.00 per doz.	Frames only
" 7.	10½	" " " " " "	12 " "	18.00 " "	" "
" 8.	10½	" " " " " "	14 " "	19.00 " "	" "
" 9.	10½	" " " " " "	16 " "	23.00 " "	" "
" 10.	10½	" " " " " "	18 " "	28.00 " "	" "

Nos. 9 and 10 MADE WITH HANDLE ON EACH END

## No. 11, DROP HANDLE



Nos. 11, 12, 13, 14, 15, Steel Frame, Nickel-plated, Riveted Sockets. Drop handle

No. 11.	7½ in.	inside of frame to tooth-edge, suitable for	9 in. blades,	\$20.00 per doz.	Frames only
" 12.	10½	" " " " " "	12 " "	23.00 " "	" "
" 13.	10½	" " " " " "	14 " "	24.00 " "	" "
" 14.	10½	" " " " " "	16 " "	28.00 " "	" "
" 15.	10½	" " " " " "	18 " "	33.00 " "	" "

Packed one frame in box

Nos. 14 and 15 MADE WITH HANDLE ON EACH END

Blades, ¾ in. wide, 21 gauge, 15 points.....	9	12	14	16	18	inches
	\$13.50	16.20	18.90	21.60	24.30	per gross
Length of blades measured from centre to centre of holes						

Trade Mark Registered  
U. S. Patent Office

# HACK SAW BLADES

IMPROVED "CHROMOL" Hardened throughout.



## MILLED TEETH

Made of "CHROMOL STEEL," a high-grade material peculiarly suited for Metal-cutting Blades. The teeth are milled, giving the greatest possible strength, and making them sharp and clean; set in such a manner that every third tooth is straight—acting as a cleaner—while the two intervening teeth are set alternately right and left. This arrangement allows each tooth to do its full share of the work, and the action of the cleaner tooth, to a great extent, relieves the set teeth of part of the wear, which considerably prolongs the life of the blade.

They are hardened by the DISSTON process, which renders them hard and tough without being brittle.

For hand frame use we recommend blades with Number of Teeth as follows:

**14 Teeth.** For stock of sufficient thickness to avoid catching teeth against edges, *e. g.*, steel rails, cold rolled stock, cast iron and bronze, brass and copper, also hard rubber and fibre.

**18 Teeth.** For general use. For cutting tool steel, hard metal, and light structural shapes, etc.

**24 Teeth.** For sheet metal or tubing from 16 to 20 gauge, brass, copper, drill rod, wrought iron, pipe, etc.

**32 Teeth.** For tubing with thin walls and thin sheet metal.

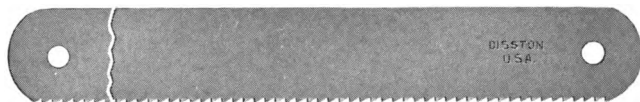
**IN GENERAL:** The coarser the tooth the faster the cut; the finer the tooth the less risk of tooth breakage.

**IN ORDERING, SPECIFY NUMBER OF TEETH OR POINTS WANTED  
OTHERWISE 14 TOOTH BLADES WILL BE SENT**

Length	Width	Gauge	Teeth to Inch	Price per Gross
8"	1 1/2"	No. 23 .025"	*14 *18 *24 *32	\$8.00
9"	1 1/2"	No. 23 .025"	*14 *18 *24 *32	9.00
10"	1 1/2"	No. 23 .025"	*14 *18 *24 *32	10.00
12"	1 1/2"	No. 23 .025"	14 18 *24 *32	12.00
12"	3/4"	No. 23 .025"	*14 *18	12.00
14"	3/4"	No. 23 .025"	14 18 24	14.80

\*Regularly carried in stock.

# MACHINE HACK SAW BLADES



## MILLED TEETH

These Blades are made of the same steel, teeth milled and set in the same manner as on the Improved Chromol Blades for hand use.

## DISSTON IMPROVED "CHROMOL" FOR LIGHT GRAVITY FEED MACHINES AND USE IN RAIL HAND FRAMES

Trade Mark Registered U. S. Patent Office

Length	Width	Gauge	Teeth to Inch	Price per Gross
10"	$\frac{3}{4}$ "	No. 22 .028"	14 18 24	\$14.40
12"	$\frac{3}{8}$ "	No. 22 .028"	*14 18 24	16.80
12"	$\frac{3}{8}$ "	No. 21 .032"	*14 18	17.88
14"	$\frac{3}{8}$ "	No. 21 .032"	*14 18	20.40

## DISSTON IMPROVED "CHROMOL" FOR HEAVY MACHINES

Length	Width	Gauge	Teeth to Inch	Price per Gross
10"	$\frac{3}{4}$ "	No. 18 .049"	10 14	\$24.72
12"	$\frac{3}{4}$ "	No. 21 .032"	10 *14 18	21.36
12"	$\frac{3}{4}$ "	No. 18 .049"	*10 *14	28.92
12"	1"	No. 18 .049"	*10 14	37.92
12"	1"	No. 16 .065"	10	44.64
14"	$\frac{3}{4}$ "	No. 21 .032"	10 *14 18	24.36
14"	$\frac{3}{4}$ "	No. 18 .049"	*10 *14	33.12
14"	1"	No. 18 .049"	*10 14	43.56
14"	1"	No. 16 .065"	8 *10	50.88
16"	$\frac{3}{4}$ "	No. 21 .032"	10 14 18	27.48
16"	$\frac{3}{4}$ "	No. 18 .049"	10 14	37.44
16"	1"	No. 18 .049"	*10 *14	49.08
16"	1"	No. 16 .065"	8 *10	56.88
17"	$\frac{3}{4}$ "	No. 18 .049"	10 14	39.72
17"	1"	No. 18 .049"	*10 *14	51.72
17"	1"	No. 16 .065"	8 *10	59.52
17"	1 $\frac{1}{4}$ "	No. 16 .065"	8 10	71.76
18"	1"	No. 18 .049"	*10 14	54.36
18"	1"	No. 16 .065"	8 *10	62.04
18"	1 $\frac{1}{2}$ "	No. 16 .065"	8 10	90.24
20"	1"	No. 18 .049"	10 14	59.52
20"	1"	No. 16 .065"	8 10	67.92
24"	1"	No. 18 .049"	*10 14	70.32
24"	1"	No. 16 .065"	8 *10	79.32
24"	1 $\frac{1}{2}$ "	No. 16 .065"	*8 10	119.04
30"	1 $\frac{1}{2}$ "	No. 16 .065"	8 10	147.84

\* Regularly carried in stock.

NOTE—14" and 17" blades measure respectively 13 $\frac{1}{2}$ " and 16 $\frac{1}{2}$ " between centres of holes.

# HACK SAW BLADES

## DISSTON'S HOLLOW GROUND

LENGTH MEASURED OVER ALL



### MILLED TEETH

We call particular attention to these blades for work requiring accuracy.

They are made of Disston special crucible steel; hollow ground to run without set, and tempered so that they can be refiled.

For sawing all classes of metal they are superior to any other blade on the market, and are so acknowledged by all practical people who use them.

Length, inches	8	9	10	11	12	13	14	16	18
Width, inches	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	1
Gauge [Disston] Tooth-edge	20	20	19	19	19	19	19	19	19
Gauge decimal equivalent	.035	.035	.042	.042	.042	.042	.042	.042	.042
Teeth, per inch	14	14	14	14	14	14	14	14	14
Per dozen	\$2.30	2.40	2.50	2.60	2.70	3.00	3.25	4.00	4.50

## DISSTON "DURAFLEX" HACK SAW BLADES

A MILLED TOOTH, FLEXIBLE BACK BLADE



An unusually good flexible back blade; made of a special Disston-made alloy steel, with milled teeth. We recommend this blade where awkward cutting positions are encountered and for unskilled workers, because of its flexibility and ability to withstand abuse.

Length	Width	Gauge	Teeth to Inch	Price per Gross
8"	$1\frac{1}{2}$ "	No. 23 .025"	*14 *18 *24 *32	\$8 00
9"	$1\frac{1}{2}$ "	No. 23 .025"	*14 *18 *24 *32	9 00
10"	$1\frac{1}{2}$ "	No. 23 .025"	*14 *18 *24 *32	10 00
12"	$1\frac{1}{2}$ "	No. 23 .025"	14 18 *24 *32	12 00
12"	$1\frac{3}{4}$ "	No. 23 .025"	*14 *18	12.00

\*Regularly carried in stock.

**Locksmiths' Blades**,  $\frac{1}{4}$  inch wide, 23 [.025] or 25 [.020] gauge, 16 or 22 points.

6-inch ..... \$6.00      8-inch ..... \$7.20 per gross

**Jewelers' Blades**,  $\frac{1}{4}$  inch wide, 28 [.014] gauge, 30 points.

6-inch ..... \$9.00 per gross

Always specify length from centre to centre of holes, width, gauge or thickness, and number of "Points" to inch desired.

## PLASTERING TROWELS

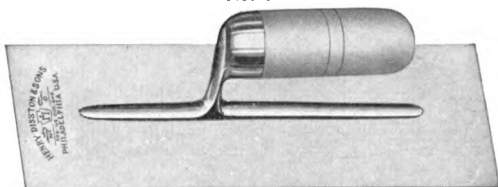
Plastering Trowels, as illustrated on the following pages, are what are known as finishing trowels, and are always supplied when not otherwise specified.

Browning Trowels furnished when specially ordered, at same price, these being one gauge heavier than finishing trowels, and working side not ground to thin edge.

Disston Trowels are made of the highest grade crucible steel, carefully tempered and ground, the handles are mounted in the most approved manner, and are fully guaranteed.

We have been manufacturing Trowels since 1855.

No. 0

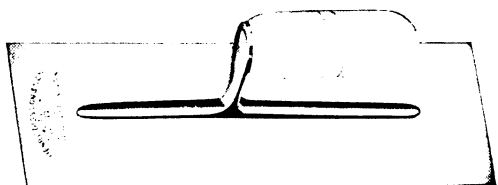


Length of Blade .....	10 and 10½	11	11½	12 inches
Width of Blade .....	4½	4¾	4½	5 "
Number of Rivets .....	4	4	5	5

No. 0. DISSTON Finishing Trowel... \$14.75   16.25   17.75   19.50 per dozen

The mounting and handle of this trowel are adjusted by an improved method, making it strong, durable and easy to the hand. The blade is of the highest grade crucible steel, highly tempered, and properly ground from the centre to the edges on the working side.

No. 1



Length of Blade .....	10 and 10½	11	11½	12 inches
Width of Blade .....	4½	4¾	4½	5 "
Number of Rivets .....	4	4	4	4

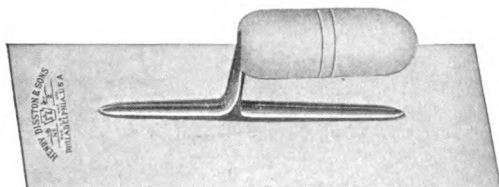
No. 1. DISSTON EXTRA..... \$13.75   15.25   16.75   18.50 per dozen

The handles of the No. 1 Plastering Trowels are fastened by an improved method, fitting better to the hand, and not liable to come loose.

Packed half dozen in box.

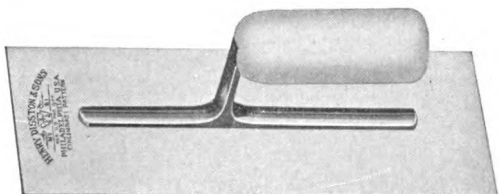
# PLASTERING TROWELS

No. 2



	Length of Blade	10 and 10½	11	11½	12	inches
	Width of Blade	4½	4¾	4¾	4¾	"
	Number of Rivets	3	3	4	4	"
No. 2.	DISSTON.	\$12 25	13 50	14.50	15.75	per dozen

## CINCINNATI PATTERN



	No. 21 CINCINNATI					
	5 rivets in all lengths					
	Length of Blade	10 and 10½	11	11½	12	inches
	Width of Blade	4½	4¾	4¾	5	"
No. 21.	DISSTON.	\$12.50	13.00	13.50	14.00	per dozen

	No. 22 CINCINNATI EXTRA, WALNUT HANDLE					
	5 rivets in all lengths					
	Length of Blade, 10 and 10½	11	11½	12	12½	inches
	Width of Blade, 4½	4¾	4¾	5	5¼	"
No. 22.	DISSTON.	\$14.00	14.50	15.00	16.50	17.50 per dozen
	Packed half dozen in box.					

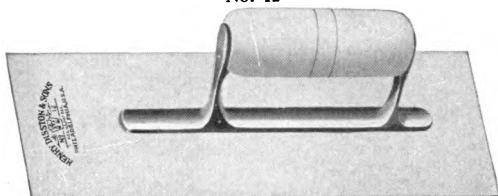
## WOODROUGH & McPARLIN CINCINNATI PLASTERING TROWELS.

	No. 121 CINCINNATI—5 rivets in all lengths					
	Length of Blade	10 and 10½	11	11½	12	inches
	Width of Blade	4½	4¾	4¾	4¾	"
No. 121.	W. & McP.	\$12.50	13.00	13.50	14.00	per dozen

	No. 122 CINCINNATI EXTRA, WALNUT HANDLES—5 rivets in all lengths					
	Length of Blade	10½	11	11½	12	inches
	Width of Blade	4¾	4¾	4¾	4¾	"
No. 122.	W. & McP.	\$14.00	14.50	15.00	15.50	per dozen
	Packed half-dozen in box					

# PLASTERING TROWELS

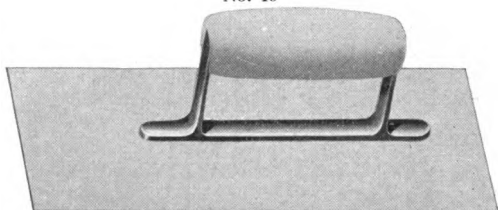
No. 12



	Four rivets in all lengths			
Length of Blade.....	10 and 10½	11	11½	12 inches
Width of Blade.....	4½	4½	4½	5
<b>No. 12. DISSTON.....</b>	<b>\$12.25</b>	<b>13.50</b>	<b>14.50</b>	<b>15.75 per dozen</b>

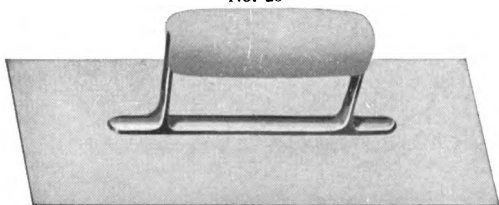
Distance on 11-inch trowel from end of blade to shank at one end 4½ inches, and 2 inches at the other end; 4½ inches between shanks.

No. 13



Three rivets in all lengths  
Distance on 11-inch trowel from end of blade to shank at one end 4½ inches, and 2½ inches at the other end; 4½ inches between shanks; width of blade, all lengths, 4½ inches.

No. 23



	Three rivets in all lengths			
	Same as No. 13, except mounting is in centre of blade			
Length of Blade.....	10 and 10½	11	11½	12 inches
<b>Nos. 13 and 23.....</b>	<b>\$7.75</b>	<b>8.50</b>	<b>9.25</b>	<b>10.00 per dozen</b>

The above Trowels especially adapted for Cement Workers' use  
Packed half-dozen in box

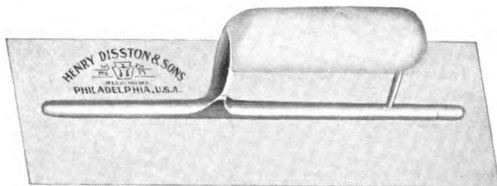
# PLASTERING TROWELS

## WESTERN, No. 16

Same pattern and dimensions as No. 17, WITHOUT REINFORCING POST.

		10 and 10½	11	11½	12	inches
No. 16.	DISSTON.....	\$15.00	15.50	16.00	16.50	per dozen

## WESTERN, No. 17

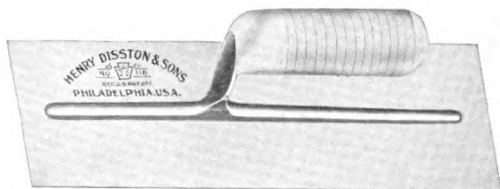


Made of the highest grade crucible steel; tempered by our improved method, accurately ground, thin blades. Fastened with seven rivets to long mounting with shield. Tang extends through handle and is securely fastened with flush barrel nut. End of handle beveled for thumb-rest. The strengthening post at end of handle prevents the mounting from bending when the trowel is used for work such as cementing, etc., where pressure is exerted. Polished handles.

		Length of Blade.....10 and 10½	11	11½	12	inches
		Width of Blade.....4½	4¾	4⅞	5	"
No. 17.	DISSTON.....	\$16.00	16.50	17.00	17.50	per dozen

## PLASTERERS' FINISHING, No. 118

### LEATHER GRIP



These Trowels are of the same high quality, workmanship and pattern as Nos. 16 and 17, with the exception that the blades are fastened with ten rivets to extra long mountings.

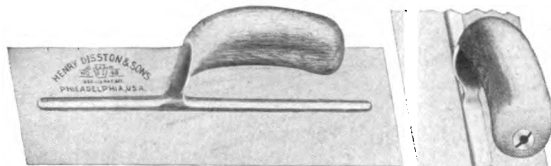
			11	11½	12	inches
No. 18.	Polished Handle.....	\$16.50	\$17.00	\$17.50		per dozen
" 19.	" " with post.....	17.50	18.00	18.50		"
" 28.	" " ex.thin blade, 24 ga. ....	16.50	17.00	17.50		"
" 118.	Leather Grip.....	20.50	21.00	21.50		"
" 119.	" " with post.....	21.50	22.00	22.50		"
" 128.	" " extra thin blade, 24 ga. ....	20.50	21.00	21.50		"

Packed half-dozen in box



## PLASTERING TROWEL

### No. 38 FINISHING



Made of the highest grade Crucible Steel, tempered by our improved method; accurately ground blades, extra thin, 24 gauge, slightly concaved. Extra long mounting, fastened to the blade with ten rivets. The handle is specially shaped and formed to fit the hand.

Length of Blade	10 1/2	11	11 1/2	12	inches
Width of Blade	4 1/2	4 3/4	4 1/2	5	

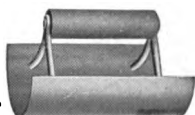
No. 38. DISSTON	\$17.75	18.25	18.75	19.25 per dozen
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No. 48 same as No. 38, except made only in 11" and 12", 4" wide, 22 gauge, for cement workers.

Packed half-dozen in box

### CIRCLE OR COVE TROWEL

INSIDE



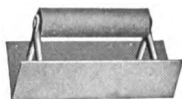
No. 24, Inside or No. 25, Outside Circle  
Radius 2 3 inches

6 inches long... \$9.00 11.80 per dozen

State whether "Inside" or "Outside" is wanted

### CORNER TROWEL

INSIDE



No. 26, Inside or No. 27, Outside Angle

6 inches long... \$7.00 per dozen

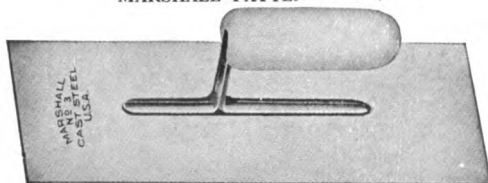


### MASONS' MITRE RODS

BEVELED ON LONG EDGE

4	6	8	10	12	inches
\$2.50	2.95	3.75	4.80	5.80	per dozen
14	16	18	20		inches
\$6.70	7.50	8.75	9.15		per dozen

### MARSHALL PATTERN No. 3



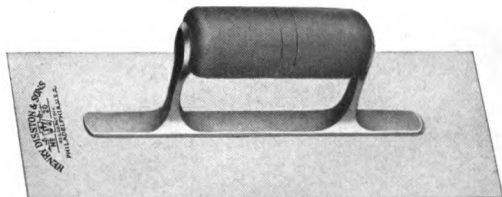
Width of Blades, 4 1/4 inches for all lengths. Three rivets in all lengths.  
Length of Blade 10 and 10 1/2 11 11 1/2 12 inches

No. 3. MARSHALL	\$7.75	8.50	9.25	10.00 per dozen
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Packed half-dozen in box

## TROWELS

### CEMENTERS', No. 20

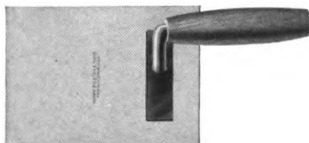


Four rivets in all lengths

Extra heavy blade, 16 gauge. Made of high-grade Crucible Steel. Tempered by our improved method, accurately ground. Mounting  $\frac{3}{4}$ -inch wide and extends within 2 inches of the ends.

Length of Blade .....	11 4 5/8	11 1/2 4 1/4	12 5	inches
Width of Blade .....				"
No. 20. DISSTON .....	\$17.00	18.25	19.75	per dozen

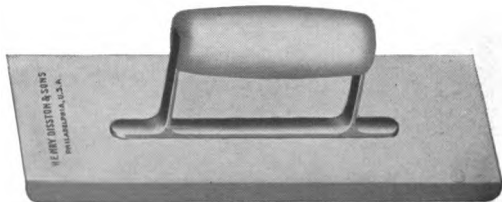
### PAINTERS' CEMENT, No. 49



Used by ironworkers and ship painters in cementing the bilge keel of vessels, etc.

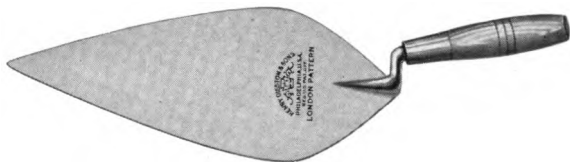
Crucible Steel Blade, Riveted Tang.  $5\frac{1}{2}$  inches x  $4\frac{1}{2}$  inches. . . . . \$8.00 per dozen

### CEMENTERS' EDGING TROWEL, No. 50

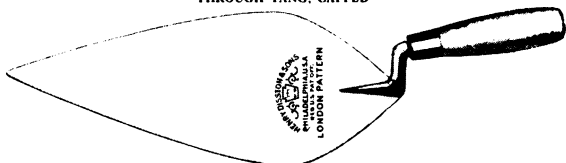


No. 50. DISSTON .....	11 \$14.00	11 1/2 15.00	12 16.00	13 inches 18.00	per dozen
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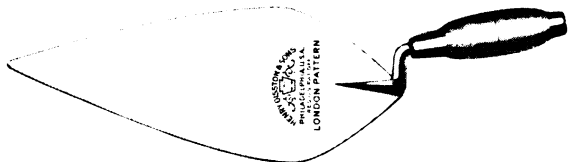
Packed half-dozen in box

**BRICK TROWELS**
**LONDON PATTERN, No. 5**


	7½	8	8½	9	9½	10	10½ inches
<b>No. 5.</b>	\$7.50	8.00	8.50	9.00	9.50	10.00	10.50 per dozen
	11	11½	12	12½	13	13½	14 inches
	\$11.00	11.50	12.00	12.75	13.50	14.25	15.00 per dozen

**LONDON PATTERN, No. 6**
**THROUGH TANG, CAPPED**


	7½	8	8½	9	9½	10	10½ inches
<b>No. 6.</b>	\$7.75	8.25	8.75	9.25	9.75	10.25	10.75 per dozen
	11	11½	12	12½	13	13½	14 inches
	\$11.25	11.75	12.25	13.00	13.75	14.50	15.25 per dozen

**LONDON PATTERN, No. 7**
**THROUGH TANG, DOUBLE FERRULE**


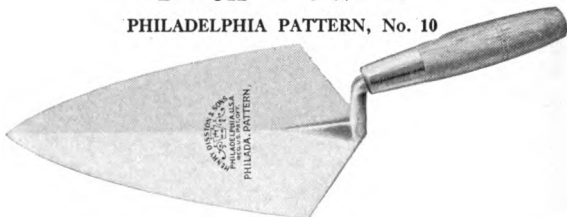
	7½	8	8½	9	9½	10	10½ inches
<b>No. 7.</b>	\$8.00	8.50	9.00	9.50	10.00	10.50	11.00 per dozen
	11	11½	12	12½	13	13½	14 inches
	\$11.50	12.00	12.50	13.25	14.00	14.75	15.50 per dozen

Packed half-dozen in box

Post at right angle to blade, insuring proper balance

## BRICK TROWELS

PHILADELPHIA PATTERN, No. 10



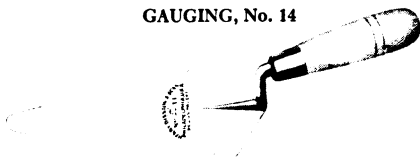
No. 10.	<sup>7½</sup> \$8.50	<sup>8</sup> 9.00	<sup>8½</sup> 9.50	<sup>9</sup> 10.00	<sup>9½</sup> 10.50	<sup>10</sup> 11.00	<sup>10½</sup> inches 11.50 per dozen
	<sup>11</sup> \$12.00	<sup>11½</sup> 12.50	<sup>12</sup> 13.00	<sup>12½</sup> 13.75	<sup>13</sup> 14.50	<sup>13½</sup> 15.25	<sup>14</sup> inches 16.00 per dozen

No. 12. Same pattern as No. 10, with light-weight, flexible blade.

No. 12.	<sup>7½</sup> \$9.50	<sup>8</sup> 10.00	<sup>8½</sup> 10.50	<sup>9</sup> 11.00	<sup>9½</sup> 11.50	<sup>10</sup> 12.00	<sup>10½</sup> inches 12.50 per dozen
	<sup>11</sup> \$13.00	<sup>11½</sup> 13.50	<sup>12</sup> 14.00	<sup>12½</sup> 14.75	<sup>13</sup> 15.50	<sup>13½</sup> 16.25	<sup>14</sup> inches 17.00 per dozen

Packed half-dozen assorted lifts in box  
Post at right angle to blade, insuring proper balance

## GAUGING, No. 14



No. 14.	<sup>7</sup> \$8.75	<sup>7½</sup> 9.00	<sup>8</sup> inches 9.25 per dozen
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## GARDEN TROWEL, No. 47

CRUCIBLE STEEL BLADE  
SOLID SHANK

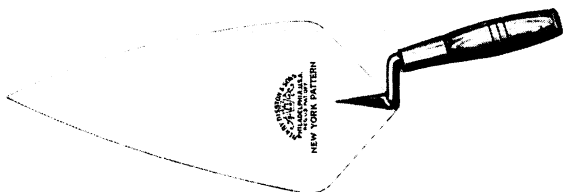


6-inch:	\$5.25	7-inch:	\$5.75 per dozen
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Packed half-dozen in box

# BRICK TROWELS

NEW YORK, No. 11

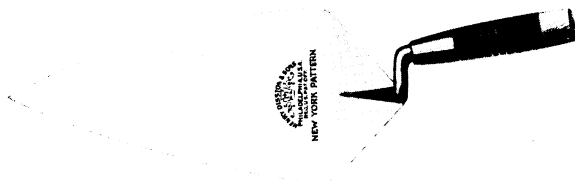


Extra quality Crucible Steel Blade, carefully hardened and tempered, ground to a true and correct taper.

No. 11.	7½	8	8½	9	9½	10	10½	inches
	\$9.50	10.00	10.50	11.00	11.50	12.00	12.50	per dozen
	11	11½	12	12½	13	inches		
	\$13.00	13.50	14.00	14.75	15.50	per dozen		

NEW YORK, No. 111

WITH LEATHER GRIP



No. 111.	7½	8	8½	9	9½	10	10½	inches
	\$12.00	12.50	13.00	13.50	14.00	14.50	15.00	per dozen
	11	11½	12	12½	13	inches		
	\$15.50	16.00	16.50	17.25	18.00	per dozen		

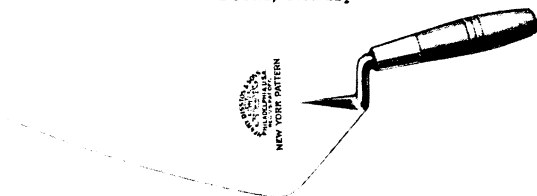
The tang extends through handle and is riveted.

Packed half-dozen in box

Post at right angle to blade, insuring proper balance

# BRICK TROWELS

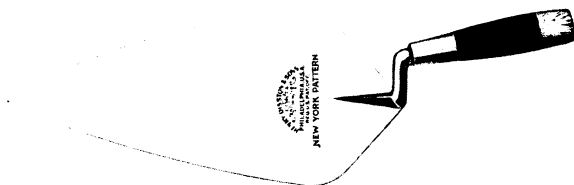
NEW YORK, No. 11½



Extra quality Crucible Steel Blade, carefully hardened and tempered, ground to a true and correct taper.

	7½	8	8½	9	9½	10	10½ inches
No. 11½.	\$9.50	10.00	10.50	11.00	11.50	12.00	12.50 per dozen
	11	11½	12	12½	13 inches		
	\$13.00	13.50	14.00	14.75	15.50	per dozen	

NEW YORK, No. 111½



Similar to No. 11½ with Leather Grip.

	7½	8	8½	9	9½	10	10½ inches
No. 111½.	\$12.00	12.50	13.00	13.50	14.00	14.50	15.00 per dozen
	11	11½	12	12½	13 inches		
	\$15.50	16.00	16.50	17.25	18.00	per dozen	

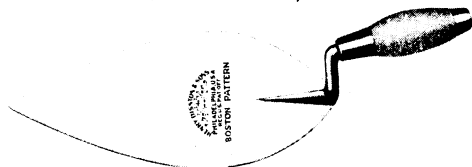
These Trowels are of same quality and design as our No. 11 and 111, with the exception that the tang does not extend through handle, thus giving a solid wood end, which is preferred by some users.

Packed half-dozen in box

Post at right angle to blade, insuring proper balance

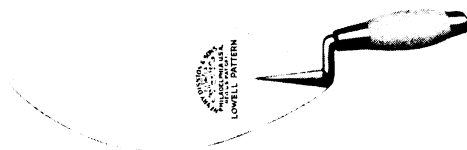
# BRICK TROWELS

BOSTON PATTERN, No. 32



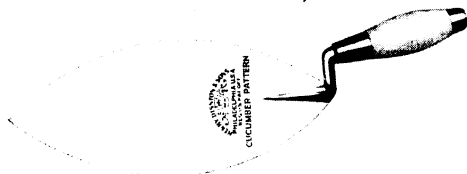
6	6½	7	7½	8	8½	9	9½	10	10½ inches
\$5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00 per dozen

LOWELL PATTERN, No. 33



6	6½	7	7½	8	8½	9	9½	10	10½ inches
\$5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00 per dozen

CUCUMBER PATTERN, No. 34



6	6½	7	7½	8	8½	9	9½	10	10½ inches
\$5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00 per dozen

Packed half-dozen in box

Post at right angle to blade, insuring proper balance

# BRICK TROWELS

## “PEERLESS”

This is the highest type, the very ACME OF PERFECTION in Trowel making.

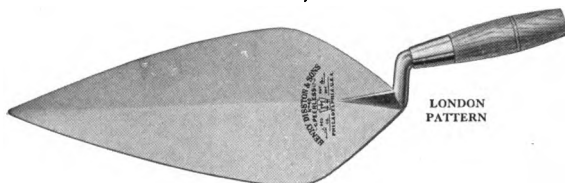
Each DISSTON Trowel is made from a single diamond-shaped piece of steel from one end of which is forged the tang. The steel—DISSTON CRUCIBLE STEEL—is of a quality adapted for trowel blades, which are highly tempered, taper-ground, and possess the characteristic spring, giving greatest efficiency.

The post being straight, or at right angles with the blade, gives better balance in use.

The handles made of hickory, polished; reinforced with a long, heavy nickel-plated steel ferrule.

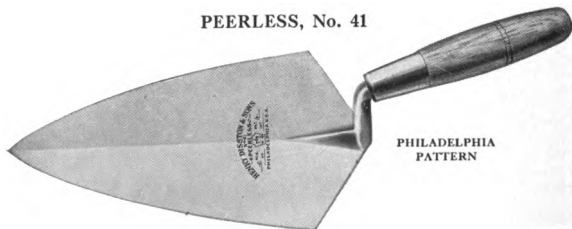
For efficiency, lasting qualities and beauty of finish these Trowels establish a new standard.

### PEERLESS, No. 40



	9½ and 10	10½	11	11½	12 inches
No. 40 .....	\$18.25	18.75	19.25	19.75	20.25 per dozen

### PEERLESS, No. 41

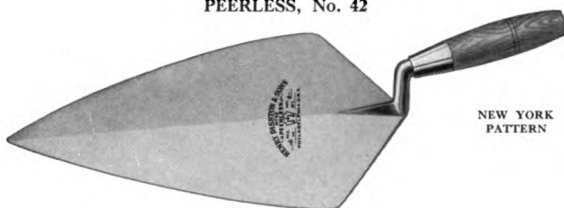


	9½ and 10	10½	11	11½	12 inches
No. 41 .....	\$18.25	18.75	19.25	19.75	20.25 per dozen

Packed half-dozen in box

Assorted weights—light, medium and heavy



**TROWELS**
**PEERLESS, No. 42**

**NEW YORK  
PATTERN**

	9½ and 10	10½	11	11½	12 inches
<b>No. 42</b> .....	\$18.25	18.75	19.25	19.75	20.25 per dozen

Packed half-dozen in box  
Assorted weights—light, medium and heavy.

**PEERLESS POINTING, No. 45**


	4	4½	5	5½	6	7 inches
<b>No. 45</b> .....	\$6.10	6.35	6.60	6.85	7.10	7.60 per dozen

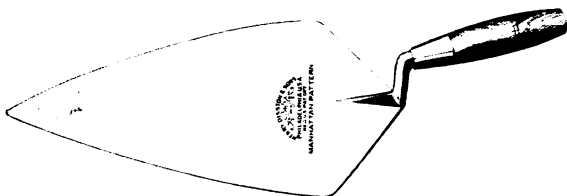
**PACIFIC, No. 110**


Crucible steel blade, extra wide heel (1 inch wider than Philadelphia Pattern).  
Particularly adapted for use in Cement Work.  
Post at right angle to blade, insuring proper balance.

		LEATHER GRIP HANDLE			
	10	10½	11	11½	12 inches
<b>No. 110</b> .....	\$16.00	16.50	17.25	18.00	18.75 per dozen
		WOOD HANDLE			
<b>No. 109</b> .....	\$12.00	12.50	13.00	13.50	14.00 per dozen

# BRICK TROWELS

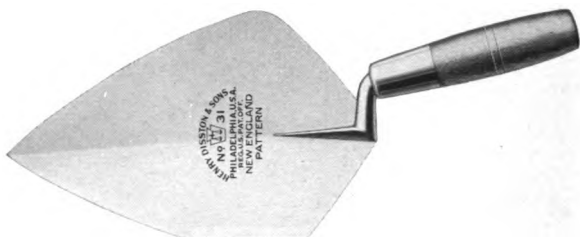
MANHATTAN, No. 30



Extra quality, wide heel, crucible steel blade. Carefully hardened and tempered; ground to a true and correct taper.

	9½	10	10½	11	11½	12 inches
No. 30. Wood Handle.	\$11.50	12.00	12.50	13.00	13.50	14.00 per dozen
No. 130. Leather Handle.	\$14.00	14.50	15.00	15.50	16.00	16.50 "

## NEW ENGLAND, No. 31



Trowel designed to meet a growing demand for a short, wide heel trowel. This trowel is 6½ inches wide at the widest part of the heel, making it an extremely well-balanced tool.

Each Disston Trowel is made of a single diamond-shaped piece of steel, from one end of which is forged the tang. The steel—Disston Crucible Steel—is of a quality especially adapted for trowel blades, which are highly tempered, bevel ground, and possess a characteristic spring, giving greatest efficiency.

The post being made straight, or perpendicular to the blade, gives better balance in the working. Made with either leather or wood handles; long, heavy ferrule, fastened to the tang in such a manner that it will not work loose.

	8½	9	9½ inches
No. 31. Wood Handle . . . . .	\$10.50	11.00	11.50 per dozen
No. 131. Leather Handle . . . . .	\$13.00	13.50	14.00 "

Made in the above lengths only

Packed half-dozen in box

Post at right angle to blade, insuring proper balance

# POINTING TROWELS

## REGULAR, No. 15

SOLID SHANK



	4	4½	5	5½	6	7	inches
No. 15.....	\$4.25	4.50	4.75	5.00	5.25	5.75	per dozen

## LONDON, No. 16

SOLID SHANK, SPECIAL SHAPE, NARROW POINT



	4	4½	5	5½	6	7	inches
No. 16.....	\$4.25	4.50	4.75	5.00	5.25	5.75	per dozen

## BRICKLAYERS', No. 17

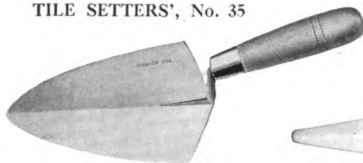
SOLID SHANK



	4½	5	5½	6	inches
No. 17.....	\$4.75	5.25	5.50	5.75	per dozen

The No. 15 Pointing Trowel will be sent unless otherwise specified

## TILE SETTERS', No. 35



Crucible steel blade

6½ inches x 3¾ inches . . \$9.50 per doz.

## CROSS JOINT, No. 48



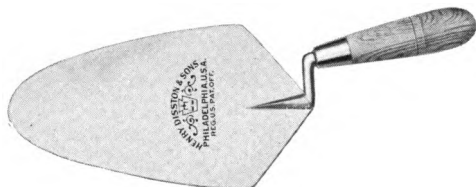
Crucible steel blade

	3½	4	4½	5	5½	inches
	\$4.35	4.35	4.65	4.90	5.15	per dozen

Packed half-dozen in box

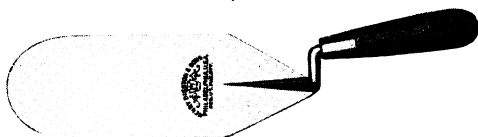
# TROWELS

COKE, No. 80



No. 80. 9-inch.....\$7.25 per dozen

COKE, No. 90

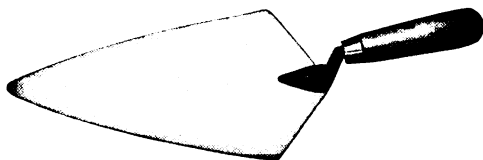


No. 90. 9-inch.....\$9.00 per dozen

Packed half-dozen in box

QUAKER CITY BRICK TROWEL, No. 100

RIVETED TANG



No. 100. Made 10½-inch length only.....\$2.25 per dozen

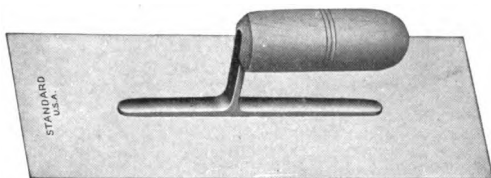
Packed one dozen in box

# TROWELS

"STANDARD BRAND"

PLASTERING, BRICK AND POINTING

PLASTERING, No. 150

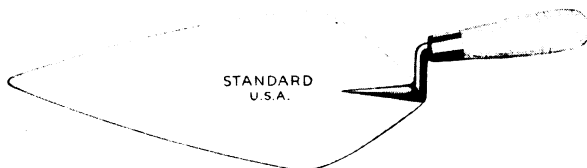


10	10½	11	11½	12 inches
\$6.50	7.00	7.50	8.00	9.00 per dozen

## BRICK

LONDON PATTERN, No. 151

PHILADELPHIA PATTERN, No. 152



LONDON PATTERN, PER ILLUSTRATION, SENT UNLESS OTHERWISE SPECIFIED

8	8½	9	9½
\$6.25	6.50	6.75	7.00
10	10½	11	11½
\$7.25	7.50	7.75	8.00
12	12½	13	13½
\$8.25	8.50	8.75	9.25
			14 inches
			9.50 per dozen

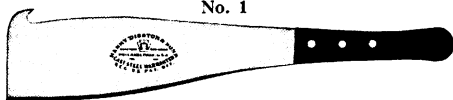
POINTING, No. 153

4	4½	5	5½	6 inches
\$2.95	3.00	3.10	3.20	3.40 per dozen

Packed half-dozen in box

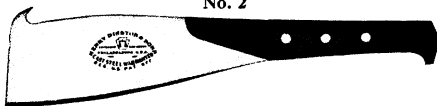
# CANE KNIVES

No. 1



No. 1. Length, including Handle,  $21\frac{1}{2}$  inches; Length of Blade, 14 inches; Width of Blade at point,  $4\frac{3}{8}$  inches; Thickness or Gauge, 18 . . . . . \$6.50 per dozen  
Weight,  $11\frac{1}{2}$  pounds per dozen

No. 2



No. 2. Length, including Handle, 21 inches; Length of Blade, 13 inches; Width of Blade at point,  $4\frac{1}{4}$  inches; Thickness or Gauge, 16 . . . . . \$8.00 per dozen  
Weight, 17 pounds per dozen

No. 9



No. 9. Length, including Handle,  $20\frac{1}{4}$  inches; Length of Blade,  $11\frac{1}{2}$  inches; Width of Blade at point,  $6\frac{1}{4}$  inches; Thickness or Gauge, 18 . . . . . \$6.50 per dozen  
Weight, 11 pounds per dozen

No.  $9\frac{1}{2}$



No.  $9\frac{1}{2}$ . Length, including Handle,  $20\frac{1}{4}$  inches; Length of Blade,  $11\frac{1}{2}$  inches; Width of Blade at point,  $5\frac{3}{4}$  inches; Thickness or Gauge, 20 . . . . . \$6.00 per dozen  
Weight,  $9\frac{1}{2}$  pounds per dozen

No. 16

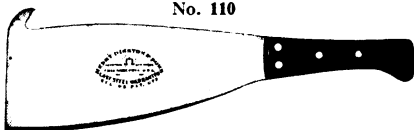


No. 16. Length, including Handle,  $21\frac{3}{4}$  inches; Length of Blade,  $12\frac{5}{8}$  inches; Width of Blade at point,  $4\frac{1}{4}$  inches; Thickness or Gauge, 16 . . . . . \$9.00 per dozen  
Weight,  $20\frac{1}{2}$  pounds per dozen

Special patterns made to order

# CANE KNIVES

No. 110



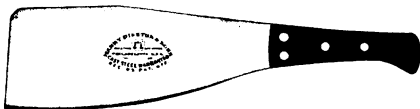
**No. 110.** Length, including Handle, 20 inches; Length of Blade, 13 inches; Width of Blade at point, 6 inches; Thickness or Gauge, 16 . . . . . \$8.00 per dozen  
Weight, 21 pounds per dozen.

No. 90



**No. 90.** Length, including Handle, 19½ inches; Length of Blade, 12¼ inches; Width of Blade at point, 5½ inches; Thickness or Gauge, 17 . . . . . \$8.00 per dozen  
Weight, 21 pounds per dozen.

No. 92



**No. 92.** Length, including Handle, 20 inches; Length of Blade, 12¾ inches; Width of Blade at point, 5 inches; Thickness or Gauge, 16 . . . . . \$9.00 per dozen  
Weight, 21 pounds per dozen.

No. 93



**No. 93.** Length, including Handle, 20 inches; Length of Blade, 12¾ inches; Width of Blade at point, 5½ inches; Thickness or Gauge, 16 . . . . . \$9.00 per dozen  
Weight, 21 pounds per dozen.

WE MANUFACTURE A COMPLETE LINE OF CANE KNIVES AND ARE PREPARED TO FURNISH SPECIAL PATTERNS ON ORDER. PRICE QUOTED ON RECEIPT OF SKETCH, GIVING FULL DESCRIPTION AND DIMENSIONS

# MACHETES



- No. 234. Wood Handle.....Length over all, 28 $\frac{1}{2}$  inches.....Blade, 24 inches  
Weight, 20 pounds per dozen



- No. 274. Wood Handle.....Length over all, 26 $\frac{3}{4}$  inches.....Blade, 22 inches  
Weight, 17 $\frac{1}{4}$  pounds per dozen



- No. 374. Wood Handle.....Length over all, 23 inches.....Blade, 18 inches  
Weight, 13 $\frac{1}{2}$  pounds per dozen

WHEN WRITING FOR ESTIMATE ON SPECIAL KNIVES, SEND SKETCH, GIVING FULL DESCRIPTION AND DIMENSIONS

# HEDGE KNIFE



- No: 1. Length over all, 24 $\frac{1}{2}$  inches.....Blade, 17 inches.....\$5.00 per dozen  
Weight, 15 $\frac{1}{2}$  pounds per dozen

# CORN KNIFE



- No. 2. Length over all, 21 $\frac{1}{2}$  inches.....Blade, 15 inches.....\$4.25 per dozen  
Weight, 12 pounds per dozen

# CHAMPION HEDGE TRIMMER, No. 3



Crucible Steel Blade, hardened and tempered, handle of selected, well-seasoned ash, 2-inch Ferrule.

- Length of Handle, with Ferrule, 20 $\frac{3}{4}$  inches; Blade, 19 $\frac{3}{4}$  inches.... \$14.00 per dozen  
Weight, 39 pounds per dozen.



# POST HOLE DIGGERS

Trade Mark  
Registered  
U. S. Pat. Off.

"SAMSON"

RAPID



OPEN



CLOSED



OPEN



CLOSED

Length, 56 inches.....\$34.00 per dozen      Length, 59 inches..... \$24.00 per dozen  
"Samson" made with 6, 8, 10, 12-foot handles, special price

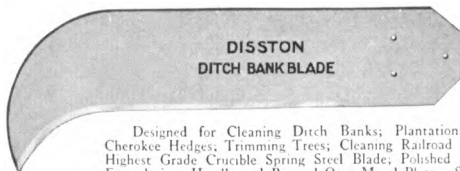
The handles of the "Samson" are made of Maplewood and the Rapid of Ash Wood, carefully selected, the blades of both are 9 inches long and made of solid steel, forged to shape.

These Diggers have been thoroughly tested and have given the greatest satisfaction to all who have used them. They work free and easy and are far superior to all plungers, augers and boring tools.

The Rapid can also be used as a transplanter.

The cuts on the left show the Diggers, with blades open, ready for plunging; those on the right showing how the dirt is grasped.

## DITCH BANK BLADES



Designed for Cleaning Ditch Banks; Plantation work; Destroying Cherokee Hedges; Trimming Trees; Cleaning Railroad Rights of Way, etc Highest Grade Crucible Spring Steel Blade; Polished and Etched; Blade Extends into Handle and Riveted Over Metal Plate. Supplied with Plates and Rivets only; Handled-up, or Separate Handles.

Ditch Bank Blade, 21½ ins. long; width, 7¼ ins.; length of cutting edge, 18 inches.....\$25.00 per dozen  
Ditch Bank Blade Handles.....\$5.00 per dozen

# BEVEL, No. 3

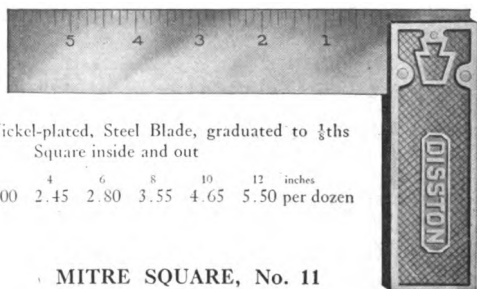


Iron Stock, Nickel-plated, Flush Screw, Parallel Edges, Steel Blade. A *slight* turn of the thumb-screw operates unique mechanism for tightening or releasing blade.

Patented October 29, 1907

	6	8	10	inches
No. 3.....	\$4.85	6.20	6.75	per dozen

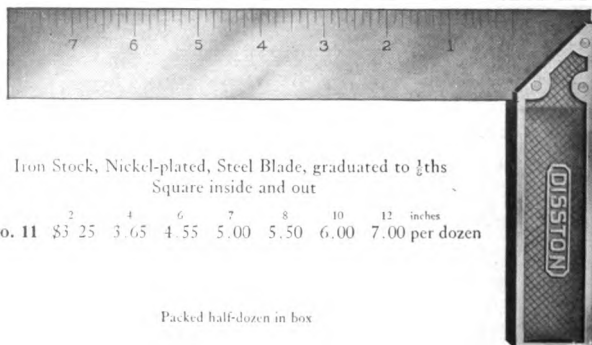
# TRY SQUARE, No. 5½



Iron Stock, Nickel-plated, Steel Blade, graduated to 1/8ths Square inside and out

	2	4	6	8	10	12	inches
No. 5½.....	\$2.00	2.45	2.80	3.55	4.65	5.50	per dozen

# MITRE SQUARE, No. 11



Iron Stock, Nickel-plated, Steel Blade, graduated to 1/8ths Square inside and out

	2	4	6	7	8	10	12	inches
No. 11	\$3 25	3 65	4 55	5 00	5 50	6 00	7 00	per dozen

Packed half-dozen in box

# TRY SQUARE, No. 1

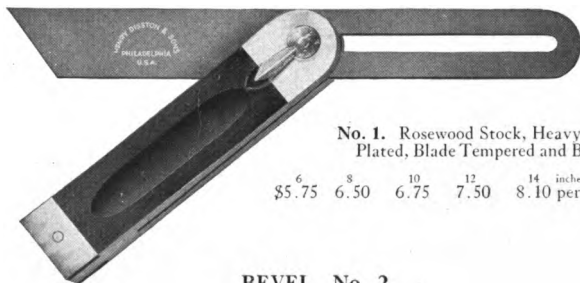


**No. 1.** Rosewood Stock, Steel Blade, Tempered and Blued.

<sup>3</sup> \$4.10	<sup>4 1/2</sup> 4.65	<sup>6</sup> 6.20	<sup>7 1/2</sup> 6.70	<sup>8</sup> 7.00	<sup>9</sup> 8.65	<sup>10</sup> 9.35	inches per dozen
<sup>12</sup> \$11.50	<sup>14</sup> 13.50	<sup>15 with rest</sup> 14.50	<sup>16 with rest</sup> 18.30	<sup>18 with rest</sup> 19.50			inches per dozen

Graduated millimeters both sides, or millimeters one side inches on the other, without extra charge, when specially ordered

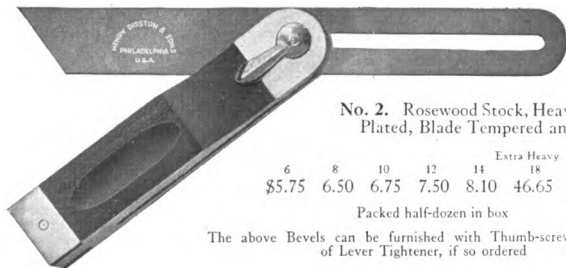
## BEVEL, No. 1



**No. 1.** Rosewood Stock, Heavy Brass Plated, Blade Tempered and Blued

<sup>6</sup> \$5.75	<sup>8</sup> 6.50	<sup>10</sup> 6.75	<sup>12</sup> 7.50	<sup>14</sup> 8.10	inches per dozen
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## BEVEL, No. 2



**No. 2.** Rosewood Stock, Heavy Brass Plated, Blade Tempered and Blued

<sup>6</sup> \$5.75	<sup>8</sup> 6.50	<sup>10</sup> 6.75	<sup>12</sup> 7.50	<sup>14</sup> 8.10	<sup>Extra Heavy</sup> <sup>18</sup> 46.65	inches per doz.
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Packed half-dozen in box

The above Bevels can be furnished with Thumb-screw in place of Lever Tightener, if so ordered

# MITRE SQUARE, No. 10

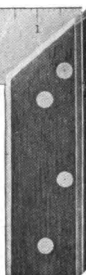


**No. 10.** Rosewood Stock, Heavy Brass Face-plate, Special L-shaped Steel Blade, as No. 15 below.



Graduated  $\frac{1}{8}$ ths

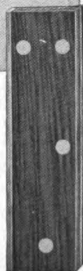
$4\frac{1}{2}$	6	$7\frac{1}{2}$	9	12	inches
\$7.25	9.50	10.65	12.85	16.00	per dozen



# TRY SQUARE, No. 15



Rosewood Stock, polished, with Flush, Heavy Brass Face-plate. This plate is fastened to the stock by a special method, which insures security. The blade consists of a solid piece of steel, L-shaped, one arm of which extends through slotted stock, flush with back and is fastened therein with heavy brass rivets; thus the stock is practically a part of the blade, insuring perfect rigidity, and making it impossible to get out of true.



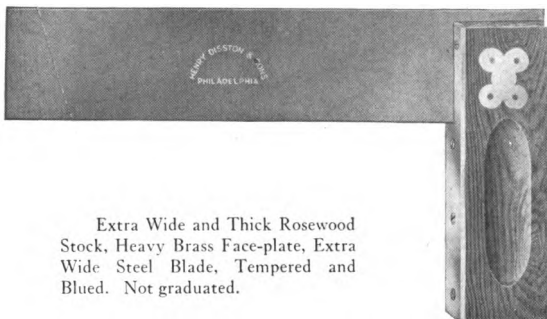
Graduated  $\frac{1}{8}$ ths, when specially ordered, at same price.

Trued inside and out. Made in the following lengths only:

	4	6	8	10	inches
No. 15	\$5.70	8.10	9.80	12.00	per dozen

Length measured from inside of stock to end of blade  
Packed half-dozen in box.

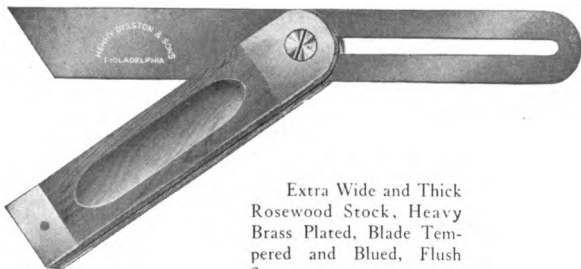
# TRY SQUARE, No. 5



Extra Wide and Thick Rosewood Stock, Heavy Brass Face-plate, Extra Wide Steel Blade, Tempered and Blued. Not graduated.

No. 5.	<sup>4</sup>	<sup>4 1/2</sup>	<sup>5</sup>	<sup>6</sup> inches	per dozen
	\$5 40	5 75	6.25	7 50	
	<sup>7</sup>	<sup>7 3/4</sup>	<sup>8</sup>	<sup>9</sup> inches	
	\$8.25	8.75	9.00	9.75	
	<sup>10</sup>	<sup>12</sup>		<sup>14</sup> inches	
	\$11.00	12.75		17.00	per dozen

# BEVEL, No. 5

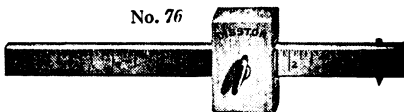


Extra Wide and Thick Rosewood Stock, Heavy Brass Plated, Blade Tempered and Blued, Flush Screw.

No. 5.	<sup>6</sup>	<sup>8</sup>	<sup>10</sup>	<sup>12</sup>	<sup>14</sup> inches
	\$5.65	6.35	6.65	7.35	8.00 per dozen

## GAUGES

No. 76



- No. 75. Hardwood, Iron Thumb-screw, Steel Point ..... \$1.15 per dozen  
 No. 76. " Oval Bar, marked with Inches, Steel Point ..... 1.25 " "  
 No. 77. " Head Plated Oval Bar marked with Inches, Steel Point ..... 2.50 " "

No. 77½



Hardwood Polished, Head Plated, Oval Bar marked with Inches, Steel Point.

- No. 77½. .... \$4.00 per dozen  
 No. 79. Boxwood, Oval Bar, marked with Inches, Steel Point ..... 4.20 " "  
 No. 80. " Head Plated, marked with Inches, Steel Point ..... 5.25 " "  
 No. 81. Hardwood, Cutting, Steel Cutter ..... 2.00 " "  
 No. 82. " Head Plated, Oval Bar, Steel Cutter ..... 3.35 " "  
 No. 84. Boxwood " " " " ..... 6.00 " "

No. 84½



- No. 84½. Boxwood, Polished, Cutting, Head Plated, Oval Bar. Steel Cutter ..... \$8.50 per dozen

No. 89



- No. 89. Beech, Mortise, Brass Slide, Brass Thumb-screw ..... \$10.00 per dozen

No. 89½



- No. 89½. Boxwood, Polished, Mortise and Marking, Graduated Stem, Brass Slide  
 and Thumb-screw ..... \$10.85 per dozen  
 Packed half-dozen in box.

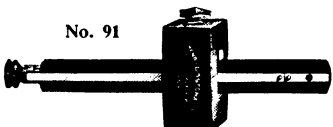
GAUGES

No. 90



No. 90. Beech, Mortise, Screw Slide, Brass Thumb-screw..... \$13.00 per dozen

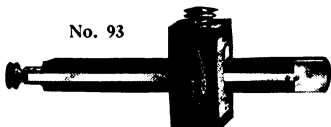
No. 91



No. 91. Rosewood, Mortise, Screw Slide, Brass Thumb-screw..... \$16.00 per dozen

No. 92. " " " " Head Plated, Thumb-screw..... 18.00 " "

No. 93



No. 93. Rosewood, Mortise, Screw Slide, Head and Stem Plated, Thumb-screw.... \$18.50 per dozen

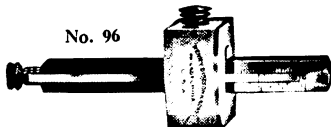
No. 95. Rosewood, Mortise, Full Plated Head and Stem, Screw Slide with Thumb-screw, but not marked with Inches..... 22.00 " "

No. 95½



No. 95½. Rosewood, Polished, Mortise and Marking, Graduated Stem, Brass Slide and Thumb-screw..... \$24.00 per dozen

No. 96



No. 96. Boxwood, Mortise, Full Plated Head and Stem, Screw Slide, marked with Inches..... \$25.00 per dozen

Packed half-dozen in box

# GAUGES

DESIGNED ESPECIALLY FOR USE IN MANUAL TRAINING SCHOOLS



No. 80 $\frac{1}{2}$

Made of hardwood; oval head, with brass screw; two brass strips inlaid in the face. Steel point. The oval shape of the head enables the user more easily to manipulate the gauge.

No. 80 $\frac{1}{2}$ .....\$5.90 per dozen



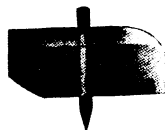
No. 83

This gauge is similar to the 80 $\frac{1}{2}$  gauge; hardwood; oval head, with brass screw; two brass strips inlaid in the face.

The bar is **not** graduated. This cutter will not follow the grain of the wood, and insures accurate work.

No. 83.....\$6.90 per dozen

Packed half-dozen in box



# HANDLES

POLISHED, BORED AND SLOTTED (For Flat Blades)



No. 1. STAMPED BRASS FERRULES



No. 2. SOLID BRASS FERRULES

	3	4	5	6	8	10	12 inches	
No. 1.....	\$1.25	1.35	1.45	1.55	1.90	2.15	2.30	per dozen
Assorted sizes, one dozen in box.....							1.70	"

	3	4	5	6	8	10	12 inches	
No. 2.....	\$1.95	2.15	2.30	2.50	2.70	3.00	3.30	per dozen

Packed one dozen in box

# FERRULES

SOLID BRASS, POLISHED

$\frac{1}{4}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
\$3.35	4.65	5.35	6.70	9.30 per gross
$\frac{1}{8}$ -inch to $\frac{3}{4}$ -inch, assorted.....				5.00
$\frac{3}{4}$ -inch and 1 inch, assorted.....				8.00 "

Packed half-gross in box



# SCREW DRIVERS

Trade Mark Registered  
U. S. Patent Office

**"ELECTRIC"**



Round Blade, Crucible Steel, carefully hardened and tempered, finished either  
**No. 15** bright or **No. 16** blued. Hardwood Handle.

	2	3	4	5	6	7	8	10	12	inches
<b>\$3.30</b>	<b>3.45</b>	<b>3.60</b>	<b>4.00</b>	<b>4.40</b>	<b>4.60</b>	<b>5.15</b>	<b>5.60</b>	<b>5.75</b>	<b>per dozen</b>	

Trade Mark Registered  
U. S. Patent Office

**"TELEGRAPH"**



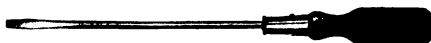
Round Blade, Crucible Steel, carefully hardened and tempered, finished bright.  
Black Hardwood Handle, with Nickel-plated Ferrule.

	2	3	4	5	6	7	8	10	12	inches
<b>No. 30.</b>	<b>\$3.55</b>	<b>3.70</b>	<b>3.90</b>	<b>4.35</b>	<b>4.75</b>	<b>4.85</b>	<b>5.35</b>	<b>5.75</b>	<b>5.90</b>	<b>per dozen</b>

**No. 10.** Same pattern and quality as "Telegraph," excepting Handle is  
"Rubberoid," with Nickel-plated Ferrule.

	3	4	5	6	7	8	10	12	inches
<b>\$4.95</b>	<b>5.10</b>	<b>5.30</b>	<b>5.75</b>	<b>6.15</b>	<b>6.25</b>	<b>6.75</b>	<b>7.15</b>	<b>7.30</b>	<b>per dozen</b>

## CABINET-MAKERS'



Round Blade,  $\frac{3}{16}$ -inch diameter, Crucible Steel, carefully hardened and tem-  
pered, finished bright. Black Hardwood Handle.

	2	3	4	5	6	7	8	10	12	inches
<b>No. 31.</b>	<b>\$3.55</b>	<b>3.70</b>	<b>3.90</b>	<b>4.35</b>	<b>4.75</b>	<b>4.85</b>	<b>5.35</b>	<b>5.75</b>	<b>5.90</b>	<b>per dozen</b>

The Tang of these Screw Drivers is driven in Handle, Rivet extends through  
Ferrule, Handle and Tang, and is headed on both ends, thus preventing the blade  
from turning in the socket, making a strong, durable driver.

Packed half-dozen in box

# SCREW DRIVERS

No. 9

THROUGH TANG, CAPPED END



Crucible Steel Blade, hardened and tempered, bright finish. Tang extends through handle, capped end. Handle, same shape as Telegraph Driver, with Rubberoid finish. Long heavy Steel Nickel-plated Ferrule. Rivet extends through Ferrule, Handle and Tang and is headed on both ends.

	3	4	5	6	7	8	10	12	inches
No. 9 . . . . .	\$5.70	6.65	7.75	9.15	10.30	11.45	13.75	15.50	per dozen

No. 38

THE STRONGEST DRIVER MADE



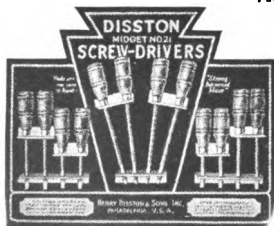
The No. 38 Screw driver will withstand the hardest work. The blade is made of Crucible Steel, specially Hardened and Tempered throughout. Handle of Hardwood, black finish. Long, heavy, Nickel-plated Ferrule.

The blade is fastened in the handle by a method which prevents its turning or coming loose.

Automobilists and others will particularly appreciate the strength of this screw driver.

	3	4	5	6	7	8	10	12	inches
No. 38 . . . . .	\$7.70	8.65	9.75	11.15	12.30	13.45	15.75	17.50	per dozen

Packed half-dozen in box



## MIDGET, No. 21

THE BLADE of the Midget Screw-Driver is manufactured from Disston-made Steel, specially hardened and tempered, and is ground sufficiently keen to fit the slot of a tiny screw. Ribs are pressed out from the tang of the blade, which prevents turning in the handle.

THE HANDLE is made from beechwood, neatly formed, covered with red shellac, and reinforced by a ferrule.

The Disston Midget No. 21 Screw-Drivers are made in three sizes—1½, 2, and 3 inches. Four of each size are arranged on an attractive card, supported by an easel, which can be readily displayed on show-case, counters, and in windows.

Just the Screw-Driver one needs to fix Locks, Clocks, Door-knobs, Drawer-pulls, Typewriters, Light Fixtures, Sewing Machines, etc. Everybody's tool kit should contain at least one of them.

Price, Per Card . . . . . \$1.50

# SCREW DRIVERS

No. 20



Forged, round, Crucible Steel Blade, flat at butt. Hardwood Handle, ebonized, Nickel-plated Ferrule.

	2	3	4	5	6	7	8	10	12	inches
No. 20.	\$2.65	3.25	3.90	4.55	5.25	6.50	7.25	9.60	10.50	per dozen

FLAT BLADE, No. 40



Flat Forged Blade, Flat Handle, Polished, Heavy Brass Ferrule.

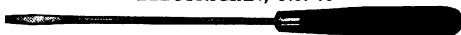
	3	4	5	6	7	8	10	12	inches
No. 40.	\$3.75	4.80	5.25	5.50	5.75	6.85	7.80	8.90	per dozen

No. 41. Above pattern, with Apple Handle, Polished, Heavy Brass Ferrule, Highly Polished Blade.

	2	3	4	5	6	7	8	10	12	inches
	\$3.50	4.00	5.25	5.70	5.95	6.85	8.00	9.10	10.75	per dozen

Packed half-dozen in box

ELECTRICIAN, No. 95



	2	3	4	5	6	inches
No. 95.	\$1.90	2.00	2.15	2.30	2.50	per dozen

Packed one dozen in box

INSULATE, No. 50

PARTICULARLY ADAPTED FOR ELECTRICIANS' USE



Crucible Steel Blade, carefully hardened and tempered; is embedded in a hard Rubber Handle, so fastened that it will not work loose.

The solid rubber acts as insulation.

The Handle, hard rubber, is of a texture eliminating brittleness, strong, tough and durable, pressed to form, the grip is milled, and the extended rings prevent the hand from slipping or touching the blade.

This is a practical, high-grade screw-driver, beautifully finished.

No. 50. 6-inch (over all).....\$16.00 per dozen

Packed one in box



## PLUMB AND LEVELS

CAREFULLY SELECTED, WELL-SEASONED HARDWOOD, SPECIAL FINISH

Disston Plumbs and Levels have achieved an enviable reputation for excellence in workmanship and design. They are all made of carefully air and kiln dried hardwood stock.

**The Distortion Plumb and Level Adjustment is the most simple and positive on the market.**

The removal of two small screws gives immediate access to the working parts. Loosen the lock screw; true up the bubble by turning the adjusting screw, then tighten the lock screw—the job is done. This is a most simple arrangement to offset possible variations. The adjustment is solid when set and there are no springs to allow annoying inaccuracy. Moreover, this adjustment cannot rust fast, because the screws work directly into the wood. Levels for all uses.

	Inches	Per Dozen
No. 1.	Level, Arch Top Plate, Two Side Views, Polished.....	Assorted 10 to 16 \$8.15
No. 3.	" " " " .....	" 18 to 24 10.75
No. 5.	Plumb and Level, Arch Top Plate, Two Side Views, Polished .....	" 12 to 18 11.90
No. 95.	" " " " .....	" 18 to 24 13.65

9  
No.[illegible]

**Packed half-dozen assorted sizes in box**

MASONS' PLUMB AND LEVELS



No. 14 1/2

Per Dozen  
\$21.00

Inches  
43

No. 14 1/2. Masons' Plumb and Level.....



No. 89

30.00

42

No. 89. Masons' Adjustable Plumb and Level, Polished, Arch Top Plate, Two Side Views, Level-Glass, Plumb-Glass, and Iron Plumb-Bob.....



No. 100

33.65

48

No. 100. Masons' Plumb and Level, Polished. Two Plumbs and Level, Proved Glasses, which are encased in Brass Tubing, with Movable Cover for protection when not in use.....

Packed half-dozen in box

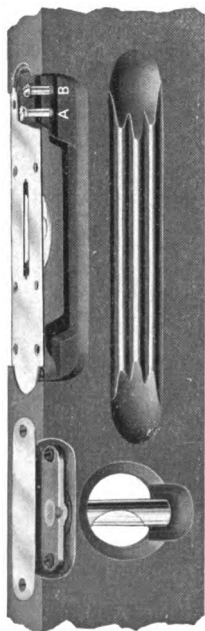
# MASONS' PLUMB AND LEVELS

MASONS', No. 105



No. 105. A light, reversible level, made of well-seasoned Cherry; 2½ inches wide, 1 inch thick. Fitted with six proved glasses (four plumb and two level), all adjustable Improved Disston Grip, ends protected with brass caps. . . . inches 42  
 • Per dozen 854.25  
 Packed one-half dozen in box

## ADJUSTABLE PLUMB AND LEVELS



With the Disston Adjustable Plumb and Levels, the adjusting of two screws (*A* and *B*) will enable anyone to true up the bubble. The simplicity of this adjustment is one of the features that makes these levels appeal to mechanics. As the illustration shows, there are no springs to get out of order, nor will the screws rust in damp weather and interfere with the adjustment.

In case of a broken glass the adjustment can be readily taken out and new glass inserted.

### DIRECTIONS FOR ADJUSTING

To adjust the level, remove the protecting shield *C*; loosen flat-head screw *A*, raise or lower round-head screw *B* until bubble is true; then tighten screw *A*. To adjust plumb, remove the protecting shield; loosen one screw and tighten the other until the bubble is true. For List of Adjustable Plumb and Levels, see following pages.

# ADJUSTABLE PLUMB AND LEVELS

	Inches	Per Dozen
No. 90. Adjustable Plumb and Level, Arch Top Plate, Two Side Views, Polished. . . . .	24 to 30	\$21.30
No. 15. Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished. Assorted	26 to 30	24.00



No. 16

No. 16. Adjustable Plumb and Level, Arch Top Plate, Two Side Views, Solid Brass Ends, Polished. Assorted . . . . .	26 to 30	28.50
No. 016. Similar to No. 16, made in four lengths only, each 2 inches wide, 1 inch thick. . . . .	12 to 18	22.50
No. 16½. Adjustable Plumb and Level, Double Stock Cherry, Arch Top Plate, Two Side Views, Solid Ends, all Trimmings Nickel-plated, Polished. Assorted . . . . .	26 to 30	29.65
No. 17. Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Solid Brass Ends, Polished. Assorted . . . . .	26 to 30	31.30
No. 22. Adjustable Triple Stock Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Solid Brass Ends, Polished. Assorted . . . . .	26 to 30	35.80
No. 24. Adjustable Plumb and Level, Arch Top Plate, Improved Duplex Side Views, Solid Brass Ends, Polished. Assorted . . . . .	26 to 30	35.80

Packed half-dozen assorted sizes in box



# ADJUSTABLE PLUMB AND LEVELS

No. 25



<b>No. 25.</b> Adjustable Plumb and Level, Triple Stock, Arch Top Plate, Two Brass Lipped Side Views, Solid Brass Ends, Improved Duplex Side Views. Assorted.....	Inches	Per Dozen
	26 to 30	\$54.00

No. 0105



<b>No. 0105.</b> A light, Reversible Carpenter's Plumb and Level, 2½ inches wide, 1 inch thick. Cherry Stock, Natural Finish. Fitted with Six Proved Glasses (four plumb, two level), Adjustable. Brass Ends Assorted.....	24 to 30	47.00
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Packed half-dozen assorted sizes in box

## PLUMB AND LEVELS



**No. 28**

**No. 28.** Plumb and Level, Solid Cherry Stock, Natural Finish, Brass Top Plate, fastened with Brass Screws, Two Brass Lipped Side Views, Two Brass Lipped Plumb Views, both Plumb and Level-glasses proved and set in Brass Tubing. Level, Adjustable, Plumb, Non-adjustable. Assorted.

**Inches:**  
18 to 24



No. 30

No. 30.	Adjustable Plumb and Level, same Pattern, Quality and Finish as No. 28	Assorted.....	38.00
"	"	" " " " " "	
No. 31.	Nos. 28 to 31 put up one level in neat pasteboard box		26 to 30 18 to 24 34.00

Age Group	Frequency	Relative Frequency	Relative Cumulative Frequency
26 to 30	38.00	0.10	0.10
18 to 24	34.00	0.09	0.19

# GRADUATING ATTACHMENT FOR USE ON PLUMB AND LEVEL



The Graduating Level is very useful in obtaining any degree or angle required. This improvement can be put into any of the Plumb and Levels in this list at \$14.00 per dozen extra. Packed one-half dozen in box



# PLUMB AND LEVELS

No. 9, D. P.  
Double Plumb



No. 9. D. P. Plumb and Level, Solid Cherry Stock, Stained, Arch Top Plate, Two Side Views, Polished. Assorted .....  
Inches 24 to 30  
Per Dozen \$21.50

No. 16, D. P.  
Double Plumb



No. 16. D. P. Adjustable, Solid Cherry Stock, Stained, Arch Top Plate, Two Side Views, Solid Brass Ends, Polished. Assorted .....  
Inches 26 to 30  
Per Dozen \$36.25

No. 30,  
D. P.



No. 30. D. P. Plumb and Level, Solid Cherry Stock, Natural Finish, Brass Top Plate, Brass Screws, Two Brass-lipped Side Views, Two Brass-lipped Plumb Views, both Plumb and Level-Glasses Proved and set in Brass Tubing. Assorted .....  
Inches 26 to 30  
Per Dozen \$47.65

Packed half-dozen assorted sizes in box

# CABINET BURNISHERS

No. 1. OVAL



No. 0.	Oval—heavy	6" long	Prices on application
No. 1.	Oval—light	4½" long	\$3.35 per dozen
No. 2.	Round	4½" "	3.35 "
No. 3.	Square—round point, cut on all sides	4½" "	4.15 "
No. 4.	Square—round point, not cut	4½" "	3.85 "
No. 5.	Half Round	4½" "	4.15 "

## MAGNETO AND MIDGET MAGNETO FILES

Both the Magneto and Midget Magneto Files are made single or double cut. They are mounted one dozen Magnetos on a card, and two dozen Midget Magnetos on a card.

The Disston "Magneto" Files are real files, carefully made of High Grade Disston Steel. These files are cut accurately. They are hardened by the Disston process, and will not only file platinum points, but any other metal which needs a fine, smooth, accurate finish.



The Disston "Midget" Magneto Files have the same good qualities as all other Disston Files—efficiency, strength, durability. They are smaller in size than the regular magneto files, and are, therefore, easier to carry and less expensive. They are manufactured from Disston-made Steel.



Mounted on Colored Display Cards  
Holding One Dozen

PRICE ON  
APPLICATION

Mounted on Colored Display Cards  
Holding Two Dozen

When ordering Magneto Files please specify whether they are to be on cards or in boxes; Regular Size, or Midget Size; Single or Double Cut.

Patented  
Nov. 11 1913

## COMBINATION FILE CARD AND BRUSH

Light  
Durable



The use of this Combination Card and Brush will keep the file in good condition. The Card is to be first used on file to loosen the filings, then cleaning with the brush.

File Card and Brush. \$7.50 per dozen      File Card only. . . . . \$6.50 per dozen

EVERY FILE STAMPED

**DISSTON**

IS WARRANTED AS PERFECT AS A FILE CAN BE MADE



**SLIM TAPER**



**TAPER**



**SQUARE**



**BLUNT BAND**



**MILL**



**FLAT BASTARD**



**HALF ROUND**



**ROUND**



**HALF ROUND WOOD RASP**

We manufacture a full line of the various kinds and sizes of Files. We have been making files since 1872.

They are made of DISSTON high quality Crucible Steel, carefully forged throughout, teeth well-formed, and hardened by our special process.

We use 35,000 dozen Disston Files annually in our own Works, therefore know what a good file should do and make Disston Files so they will do it.

# AMERICAN PRICE LIST—FILES AND RASPS

As Adopted by the File Manufacturers Association of the United States, as their List  
Price per Dozen Effective on and after April 2, 1923.

REVISED AND REPRINTED April 2, 1923

PRICE PER DOZ.

Note.—This price list comprises all of the kinds, sizes and cuts of files that will be regularly carried in stock. Anything differing from these files will be considered as special and will not be manufactured except in case of urgent necessity and when manufactured price will be based strictly upon cost of material and cost of manufacture at time goods are made.

INCH	MILL			MILL 1 R. E.		MILL 2 R. E.		MILL BLUNT		ROUND		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Bastard	2d Cut	Bastard	2d Cut	Bastard	2d Cut	Smooth
3	3.00											
4	3.00	3.50								3.00	3.50	3.90
5	3.20	3.80								3.20	3.80	4.10
6	3.50	4.00	4.50	3.90	4.50	4.40	5.00	3.90	4.60	3.50	4.00	4.50
7	3.90	4.60		4.40	5.20	4.90		4.30	4.90	3.90	4.60	4.90
8	4.30	4.90	5.40	4.80	5.50	5.40	6.10	4.90	5.80	4.30	4.90	5.40
9	4.90	5.80		5.50	6.50	6.10				4.90	5.80	6.30
10	5.60	6.40	7.00	6.30	7.20	7.00	8.00	6.70	7.80	5.60	6.40	7.00
12	7.50	8.60	9.40	8.40	9.70	9.40	10.80			7.50	8.60	9.40
14	10.70	12.20	13.10	12.00						10.70	12.20	13.10
16	14.70	16.80	17.90							14.70	16.80	17.90
18	20.20									20.20	22.70	24.30
20										27.40		

INCH	FLAT			HAND			SQUARE			THREE SQUARE		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	3.70	4.30	4.70	3.70	4.30	4.80	3.80	4.60	4.90	4.80	5.60	6.10
5	3.90	4.60	4.90	3.90	4.70	5.30	4.10	4.80	5.30	5.40	6.10	6.40
6	4.30	4.80	5.30	4.30	5.10	5.60	4.60	5.10	5.50	6.10	6.70	7.10
7	4.80	5.50	6.10	4.90	5.80	6.30	5.10	5.80	6.30	7.00	7.70	8.20
8	5.30	6.10	6.60	5.40	6.30	6.70	5.50	6.30	7.00	7.50	8.30	8.90
9	6.30	7.20	7.90	6.70	7.80	8.30						
10	7.00	8.10	8.70	7.50	8.70	9.40	7.40	8.50	9.10	9.10	10.10	10.70
12	9.70	11.00	12.10	10.70	12.30	13.50	10.20	11.50	12.80	11.80	13.00	13.90
14	13.30	15.30	16.70	15.00	17.00	18.20	13.90	16.10	17.50	15.50	17.00	18.30
16	17.80	20.10	22.30	20.10	22.80	24.20	18.70	21.20	23.30	20.60	22.50	24.20
18	23.90	26.80	29.20	26.80	29.90	31.50	25.10	28.20	30.40	27.50	29.90	32.00
20	31.50			35.10			32.80					

INCH	HALF ROUND			TAPERS		Slim Tapers	Extra Slim Tapers	Double Extra Slim Tapers	Hand- Saw Blunt	BANDSAW Blunt & Taper		PITSAW
	Bastard	2d Cut	Smooth	Sgl. Cut	Dbl. Cut					Regular	Slim	
3				2.10		2.10						
3½				2.10		2.10						
4	4.80	5.60	6.10	2.20	2.90	2.20	2.20	2.20	2.60	2.90		4.80
4½				2.40	3.10	2.30	2.30	2.30	3.00	3.10		5.40
5	5.40	6.10	6.40	2.60	3.50	2.50	2.50	2.50	3.40	3.50		5.40
5½				3.00		2.90	2.90	2.90				6.10
6	6.10	6.70	7.10	3.40	4.70	3.10	3.10	3.10	4.30	4.70	3.90	6.10
7	7.00	7.70	8.20	4.30	5.60	3.80	3.80	3.80	5.40	5.60		7.00
8	7.50	8.30	8.90	5.40	6.70	4.50	4.50	4.50	6.60	6.70	5.30	7.50
10	9.10	10.10	10.70	8.10		6.40				9.70		
12	11.80	13.00	13.90	12.50		9.50						
14	15.50	17.00	18.30									
16	20.60	22.50	24.20									
18	27.50	29.90	32.00									

Illustrated File Catalogue mailed on application

# HENRY DISSTON & SONS

## AMERICAN PRICE LIST—FILES AND RASPS

(Continued)

As Adopted by the File Manufacturers Association of the United States, as their  
list price per dozen effective on and after April 2, 1923.

REVISED AND REPRINTED April 2, 1923

PRICE PER DOZ.

INCH	WARDING			KNIFE			INCH	PILLAR			INCH	CANT SAW
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth		Bastard	2d Cut	Smooth		
4	4.00	4.80	5.40	5.40	6.10	6.40	6	4.30	5.10	5.60	4	.....
5	4.50	5.30	5.80	6.10	6.70	7.10	8	5.40	6.30	6.70	5	4.70
6	4.90	5.90	6.40	6.90	7.50	7.90	10	7.50	8.70	9.40	6	5.40
8	6.40	7.50	8.20	8.50	9.10	9.50	12	10.70	12.30	13.50	7	6.10
10	8.70	10.10	11.00	10.10	11.50	12.30	14	15.00	.....	.....	8	6.40
12	.....	.....	.....	13.70	15.20	16.10	16	20.10	.....	.....	10	8.70
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	11.40

INCH	Cabinet Files	CABINET RASPS		HALF RD. WOOD RASPS		FLAT WOOD RASPS		HAND FINISHING		INCH	Hand saw Blunt Slim	Double Ender
		2d Cut	Smooth	Bastard	Smooth	Bastard	Smooth	2d Cut	Smooth			
6	8.10	10.10	11.70	8.10	10.10	.....	.....	.....	.....	4	2.50	.....
8	10.10	12.80	15.50	10.10	13.70	9.40	12.80	.....	.....	5	3.10	.....
10	13.70	17.50	20.70	13.70	18.70	12.80	17.50	.....	.....	6	3.80	.....
12	18.70	22.80	26.80	18.70	24.80	17.50	23.20	15.20	16.20	7	.....	3.50
14	24.80	29.60	33.90	24.80	32.90	23.20	30.80	20.60	21.70	8	5.40	3.90
16	.....	.....	.....	32.90	43.60	30.80	40.90	.....	.....	9	.....	4.40
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	4.90
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	.....	6.00

INCH	Square Blunt Bastard	Round Blunt Bastard	LEAD FLOAT and WOOD FILES		INCH	SHOE RASPS		PLANER KNIFE	CROSS CUT
			Flat	Hlf. Rd.		Flat	Hlf. Rd.		
6	.....	.....	4.80	7.00	6	.....	.....	.....	6.10
8	7.40	5.60	6.30	8.50	7	.....	.....	.....	.....
10	10.20	7.50	8.60	10.70	8	10.10	10.10	6.40	7.50
12	13.90	10.70	11.80	14.10	9	12.20	12.20	.....	8.50
14	18.70	14.70	16.00	18.50	10	13.70	13.70	8.60	9.10
16	25.10	.....	21.50	24.70	12	.....	.....	.....	11.80
18	32.80	.....	.....	.....	.....	.....	.....	.....	.....

INCH	HORSE RASPS, PLAIN			HORSE RASPS, TANGED		
	1/2 File	Slim	3/4 File	Regular	Slim	Thin
12	12.80	.....	.....	16.80	.....	1.531"x .270" 16.00
13	.....	.....	.....	19.60	.....	1.594"x .275" 18.20
14	17.80	.....	.....	23.10	13" stock 21.90	1.750"x .280" 21.90
15	20.90	.....	.....	27.30	13" stock 25.20	1.812"x .285" 25.20
16	24.40	14" stock 21.50	.....	32.20	14" stock 29.70	1.875"x .290" 29.70
18	32.90	15" stock 25.90	.....	.....	.....	.....
20	.....	16" stock 32.90	.....	.....	.....	.....

The above kinds, sizes and cuts of files are regularly carried in stock. Anything differing from these files will be considered as special and will not be manufactured except in case of urgent necessity and when manufactured price will be based strictly upon cost of material and cost of manufacture at time goods are made.

Illustrated File Catalogue mailed on application



# HENRY DISSTON & SONS

## SUPERFINE FILES

LIST OF APRIL 1, 1919

PRICE PER DOZEN

Sizes and Cuts Principally Called For Are Indicated On this List by Black Faced Type

INCH	HAND				PILLAR				PILLAR NARROW				PILLAR EXTRA NARROW			
	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6
2 1/2	.....	.....	.....	.....	\$1.80	2.00	2.20	2.65	\$1.75	1.95	2.20	2.60	.....	.....	.....	.....
3	\$2.40	2.50	2.70	3.00	1.80	2.00	2.20	2.65	1.75	1.95	2.20	2.60	\$1.95	2.00	2.20	2.55
3 1/2	.....	2.60	2.75	3.05	1.80	2.00	2.20	2.65	1.75	1.95	2.20	2.60	.....	.....	.....	.....
4	.....	2.95	3.25	3.65	4.55	1.90	2.10	2.35	2.90	1.85	2.05	2.30	1.95	2.10	2.40	2.80
5	.....	3.45	3.85	4.45	5.40	2.00	2.25	2.65	3.30	1.95	2.15	2.40	2.90	2.00	2.25	2.70
6	.....	5.00	5.45	6.15	7.35	2.95	3.25	3.70	4.45	2.70	3.05	3.50	4.30	2.60	2.90	3.40
8	.....	6.60	7.45	8.40	9.80	4.20	4.55	5.10	6.00	3.70	4.25	5.05	6.35	3.50	4.00	4.80
12	.....	8.70	10.05	11.15	12.90	5.80	6.15	7.00	8.00	4.90	5.70	7.15	9.50	4.70	5.70	7.30
14	.....	11.40	13.40	14.70	17.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

INCHES		2 1/2	3	3 1/2	4	5	6	8	10	12	14
Width in Decimal parts of an inch stated as near as practicable.	HAND	.....	.43	.....	.53	.62	.72	.90	1.09	1.27	1.45
	PILLAR	.26	.29	.32	.35	.42	.48	.60	.73	.85	.....
	PILLAR NARROW	.19	.22	.24	.27	.31	.36	.45	.55	.64	.....
	PILLAR EX. NARROW	.....	.14	.....	.18	.21	.24	.30	.36	.42	.....

Pillar, Pillar Narrow, and Pillar Extra Narrow, with one or both edges cut, take same List Price as with two safe edges. Other regular widths not listed take regular list prices.

INCH	SQUARE				ROUND				HALF ROUND				CROSSING			
	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6
2 1/2	\$2.45	2.50	2.60	2.70	\$1.80	1.90	2.05	2.30	\$3.20	3.60	4.20	5.25	\$3.80	4.15	4.70	5.55
3	2.45	2.50	2.60	2.70	1.80	1.90	2.05	2.30	3.20	3.60	4.20	5.25	3.80	4.15	4.70	5.55
3 1/2	2.50	2.65	2.90	3.05	1.90	2.00	2.20	2.45	3.40	3.95	4.55	5.80	.....	.....	.....	.....
4	2.55	2.70	3.15	3.40	1.95	2.10	2.30	2.60	3.65	4.30	4.90	6.30	4.05	4.50	5.25	6.30
4 1/2	.....	2.80	3.15	3.80	4.25	2.30	2.50	2.70	3.90	4.65	5.30	6.90	.....	.....	.....	.....
5	.....	3.20	3.60	4.55	5.30	2.80	3.05	3.30	4.85	5.80	6.65	8.70	5.40	5.10	6.00	7.40
6	.....	3.95	4.75	6.15	7.60	4.00	4.30	4.60	5.00	6.75	7.80	9.00	11.10	7.80	8.60	11.90
8	.....	5.00	6.10	8.00	10.00	5.30	5.95	6.70	7.75	9.35	11.80	13.80	15.50	11.65	13.00	15.50
12	6.30	8.00	10.15	12.50	7.10	8.00	9.70	11.95	12.50	13.30	15.05	18.30	13.50	15.00	17.00	20.00

INCH	KNIFE				BARRETTE				EQUALING				WARDING			
	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	1-2	3-4	6
3	\$2.80	3.00	3.40	4.00	\$3.70	3.80	3.90	4.05	\$2.25	2.45	2.70	3.10	\$1.95	2.00	2.30	2.65
3 1/2	3.00	3.40	4.00	4.90	3.80	3.90	4.00	4.15	2.35	2.60	2.95	3.55	2.25	2.55	2.90	3.40
4	3.40	3.95	4.80	6.00	4.10	4.20	4.35	4.55	2.50	2.85	3.35	4.05	2.70	3.10	3.60	4.25
5	3.95	4.70	5.80	7.30	4.45	4.55	4.75	5.05	2.80	3.20	3.85	4.70	3.20	3.75	4.35	5.20
6	5.60	6.60	8.25	11.10	5.85	6.00	6.25	6.65	3.75	4.30	5.25	6.40	4.45	5.15	6.20	7.40
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.90	6.75	8.25	9.85

INCH	THREE SQUARE				METAL SAW				CROCHET				ROUND STRAIGHT				CANT			
	00-0	1-2	3-4	6	0	1-2	3-4	6	00-0	1-2	3-4	6	00-0	2	4	6	00-0	2	4	6
3	\$2.75	2.95	3.25	3.75	\$2.75	2.95	3.25	3.55	\$3.55	3.70	4.20	.....	.....	.....	.....	.....	\$4.60	5.20	6.05	.....
3 1/2	2.75	2.95	3.25	3.75	2.75	2.95	3.25	3.55	4.60	5.00	5.40	.....	1.80	2.00	2.20	2.45	4.75	5.35	6.25	.....
4	2.75	2.95	3.25	3.75	2.75	2.95	3.25	3.55	5.00	5.40	5.80	.....	2.00	2.20	2.40	2.65	5.00	5.65	6.60	.....
5	2.95	3.15	3.50	4.05	2.95	3.15	3.50	5.10	5.45	5.90	6.30	2.60	2.90	3.20	3.50	5.40	5.45	6.15	7.10	.....
6	3.25	3.50	3.95	4.55	3.25	3.50	3.95	6.00	6.40	6.85	7.30	3.40	3.80	4.20	4.60	5.80	.....	.....	.....	.....
8	4.35	4.70	5.30	6.10	4.35	4.70	5.30	7.95	8.45	9.00	9.50	4.80	5.30	5.80	.....	.....	.....	.....	.....	.....
10	5.85	6.30	7.20	8.30	.....	.....	.....	10.10	10.70	11.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

INCH	SLITTING				PIPPIN				Joint Round Edge	Joint Square Edge	INCHES							
	00-0	2	4	6	0	1-2	4	6	0-2	0-2	Thickness of { Thin Drill or Joint { Thick							
3	.....	.....	.....	.....	\$3.55	3.70	4.20	.....	\$2.15	\$1.75	.02							
4	4.25	5.40	6.50	.....	4.30	4.60	5.00	.....	2.40	2.00	.04							
5	5.30	6.40	7.50	.....	.....	.....	.....	.....	2.85	2.60	.06							
6	6.50	7.65	8.75	.....	6.00	6.40	6.85	.....	3.40	3.25	.08							
8	.....	.....	.....	.....	7.95	8.45	9.00	.....	4.80	4.55	.10							
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.12							
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.14							

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Illustrated File Catalogue mailed on application

# HENRY DISSTON & SONS

## SUPERFINE FILES

LIST OF APRIL 1, 1919

PRICE PER DOZEN

ROUND HANDLE NEEDLE FILES CUTS 0-2-4-6					SQUARE HANDLE NEEDLE OR ESCAPE- MENT FILES—CUTS 0-2-4-6	
Inches.....	4	4¾	5½	6¾	Inches.....	5½
Round.....	\$1.50	1.60	1.65	1.75	Round.....	\$1.70
Half Round.....	1.75	2.15	2.55	2.85	Half Round.....	2.30
Flat.....	1.75	1.90	2.30	2.55	Flat.....	2.60
Oval.....	1.85	2.05	2.25	2.45	Oval.....	2.30
Knife.....	2.05	2.35	2.70	3.15	Knife.....	2.90
Square.....	1.85	2.00	2.15	2.30	Square.....	2.10
Thr. Sqr.....	1.90	2.20	2.60	3.10	Thr. Sqr.....	2.45
Equaling.....	1.85	2.10	2.40	2.65	Equaling.....	2.45
Barrette.....	1.70	1.90	2.15	2.35	Barrette.....	2.15
Joint.....	1.60	1.65	1.70	1.75	Joint.....	2.20
Slitting.....	2.35	2.65	3.00	3.30	Slitting.....	2.70
Marking.....	1.75	1.85	1.95	2.05	Half Round Blunt.....	2.35
Assorted.....	1.80	2.05	2.30	2.50	Assorted.....	2.35

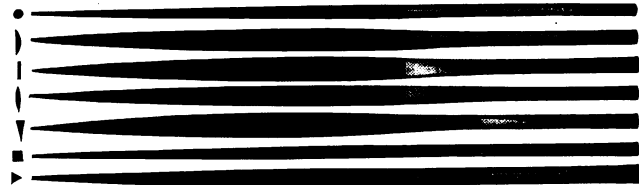
DIE SINKER'S FILES CUTS 0-2		PARALLEL MACHINE FILES—CUTS 00-0-2		BENCH FILING MACHINE FILES—CUTS 00-0-2	
Inch.....	3½	Inches.....	5	Inches.....	3¼x¼ 3¼x¼
Round.....	\$2.30	Round.....	2.50	Round.....	\$1.80 1.90
Half Round.....	3.15	Half Round.....	4.50	Half Round.....	3.20 3.90
Flat.....	2.50	Pillar.....	2.05	Pillar.....	2.50 3.00
Oval.....	3.35	Oval.....	4.85	Oval.....	2.80 3.50
Knife.....	3.65	Knife.....	3.65	Knife.....	3.20 4.10
Square.....	2.50	Square.....	2.10	Square.....	3.00 3.90
Three Square.....	2.65	Three Square.....	3.15	Three Square.....	2.90 3.80
Flat 2 R. E.....	3.50	Crochet.....	5.30	Crochet.....	3.40 4.50
Flat 1 S. E.....	2.30	Equaling.....	2.70	Equaling.....	3.30 4.30
Oval 1 S. E.....	3.35	Pippin.....	5.30	Pippin.....	3.20 4.00
Lozenge.....	4.15	Lozenge.....	5.30	Lozenge.....	3.50 4.70
Auriform.....	4.55	Cant.....	4.25	Cant.....	3.20 4.10
Assorted.....	3.15	Assorted.....	3.90	Assorted.....	3.00 3.80

Put up in dozens, either assorted (one of each kind) or in kinds.

Assorted dozens will always be sent when order does not state otherwise.

Screw Head with or without Tang, 3"..... \$2.85 | Broach, Gauge 40 to 65..... 1.35

The above kinds, sizes and cuts of files are regularly carried in stock. Anything differing from these files will be considered as special and will not be manufactured except in case of urgent necessity and when manufactured price will be based strictly upon cost of material and cost of manufacture at time goods are made.



We have a separate department thoroughly equipped for the manufacture of Superfine Files of all shapes and sizes known to the trade, and being hardened by our special process, we guarantee them equal, or superior to others of either foreign or domestic manufacture.

Illustrated File Catalogue mailed on application

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