

DISSTON

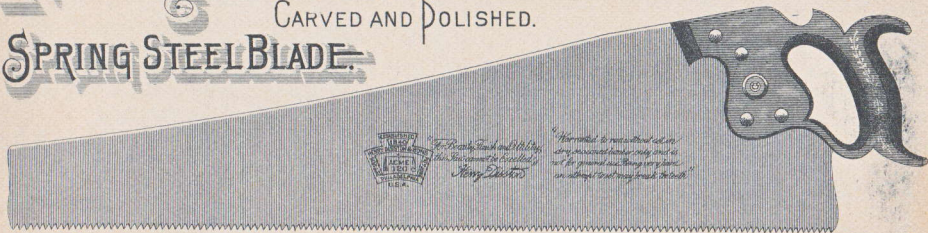


OUR AIM IS TO MANUFACTURE
"DISSTON GOODS" OF A SUPERIOR QUALITY
AND AT A COST TO MAKE THEM
PURCHASABLE BY ALL MECHANICS

400

No 120, ACME.

Apple Wood Handle.
CARVED AND POLISHED.
SPRING STEEL BLADE.



SPECIALLY MADE TO WORK WITHOUT SET.....
FOR SMOOTH CUTTING IN DRY LUMBER

“DISSTON”
ON A SAW IS A GUARANTEE OF QUALITY.

WHY PAY MORE FOR A SAW
WITHOUT THE MAKER'S BRAND ON IT THAN
FOR ONE BEARING HIS OWN NAME?
THE MANUFACTURER WILL CERTAINLY MAINTAIN
HIS REPUTATION.

• UNEQUALED •

THE DEMAND FOR A SKEW BACK SAW OF THE SUPERIOR QUALITY AND
FINISH OF OUR NO 12 HAS INDUCED US TO MAKE THE

No 12 HAND SAW

LONDON SPRING STEEL.

HIGHLY POLISHED SKEW BACK BLADE—

CARVED APPLE HANDLE.

EXTRA
HENRY DISSTON & SONS
— PATENT —
NEWCASTLE & LONDON
PHILADELPHIA U.S.A.
— LONDON 12 SPRING —
EXTRA HARD AND WARRANTED
PATENT GRIND

"SUPERIORITY" IS OUR WATCHWORD

We spare no pains or expense to
maintain the high reputation we have
achieved for the Quality of the

DISSTON SAWS.

The
SAW
with "DISSTON" on it
is Guaranteed
SUPERIOR in QUALITY and FINISH
to any saw
without "DISSTON" on it.



1840

"If you want a Saw, it is best to get one with a name on it which has a reputation. A man who has made a reputation for his goods knows its value, as well as its cost, and will maintain it."

Henry Disston

THE FINEST SAW IN THE WORLD

№12, LONDON SPRING STEEL

HIGHLY POLISHED BLADE...
CARVED APPLE HANDLE.



DISSTON SAWS MAY BE HIGHER IN PRICE THAN
OTHERS BUT YOU GET THE DIFFERENCE IN
QUALITY AND FINISH.

DO YOU USE DISSTON SAWS?
IF NOT, WHY NOT?

DISSTON'S

Newest production in the line of **HIGH GRADE**
HAND SAWS a perfectly proportioned beauti-
fully finished **TOOL**.

SPRING STEEL,

100

SKEW BACK,

Apple Wood Handle.
— Carved and Polished.



A MECHANIC'S

ability is often judged by the class of Tools he uses
Your reputation will be safe with this **SAW** in your Chest.

DISSTON SAWS HAVE BEEN IMITATED
BUT NEVER DUPLICATED

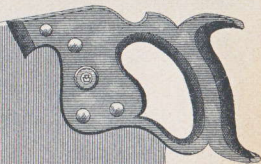
THE MOST POPULAR SAW
IN THE WORLD

 **D** Skew Back

Spring Steel
Apple Handle



*"For Beauty, Finish and Utility,
This Saw cannot be equalled."
Henry Jackson*



Perfection comes of long experience
We have Manufactured Saws **SIXTY-NINE YEARS**

THE HANDLES OF THE DISSTON HANDSAWS ARE SPECIALLY ADJUSTED TO THE BLADES TO GIVE THE CORRECT "HANG" OR PITCH TO THE SAW WHEN ENTERING THE WORK—EACH HANDLE BEING SEPARATELY FITTED TO ITS BLADE.

THE DISSTON HANDLE HAS A COMFORTABLE GRIP, MAKES THE SAW FEEL LIGHT AND WELL-BALANCED, FEEDING INTO THE WORK WITH THE MINIMUM WRIST PRESSURE.

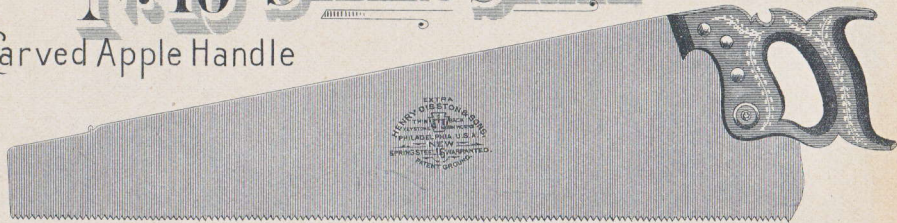
SOME SO-CALLED NEW PATTERNS OF HANDLES HAVE THE "HANDHOLD" OF SUCH SHAPE AS TO RAISE THE POINT OF THE SAW WHEN IN POSITION FOR WORK, CONSEQUENTLY THE "HANG" IS SO EXTREMELY LIGHT THAT IT REQUIRES THE EXERTION OF EXTRA WRIST PRESSURE TO MAKE THE SAW ENTER THE WORK, THUS TIRING THE OPERATOR VERY QUICKLY.

OUR LONG EXPERIENCE AND THE POPULARITY OF OUR GOODS PROVE CONCLUSIVELY THE DISSTON HANDLES ARE RIGHT IN DESIGN AND ADJUSTMENT.

We Manufacture the Finest and Largest Line of Saws in
THE WORLD.

— **NO. 16 SPRING STEEL** —

Carved Apple Handle



THE WORLD RECOGNIZES **DISSTON SAWS** AS THE
STANDARD BY WHICH ALL OTHERS ARE
⇒ **JUDGED** ⇐

IF YOUR DEALER CANNOT SUPPLY YOU,
WRITE US.

BUY A SAW WITH **DISSTON** ON IT
THE NAME IS A GUARANTEE OF SUPERIOR QUALITY

No. 8. SPRING STEEL.

• Apple Handle •



We Manufacture our own Steel and are therefore able
to watch the quality closer than other makers.

WE HAVE MADE STEEL FOR OVER FIFTY-FOUR YEARS.

THE DISSTON SAWS WILL DO MORE WORK
WITH LESS EXERTION
AND HOLD THEIR CUTTING EDGE LONGER
THAN ANY OTHER BRAND

THE SAW ON WHICH **HENRY DISSTON** BUILT UP
HIS REPUTATION AND EQUAL IN QUALITY TO THE
BEST SAW MANUFACTURED NOT STAMPED

DISSTON

No. 7, *Cast Steel*
Beech Handle.



TO DO GOOD WORK A **MECHANIC** REQUIRES GOOD TOOLS.

ALL SAWS BRANDED "DISSTON" ARE
GUARANTEED
PERFECT IN MATERIAL AND WORKMANSHIP

WE WILL WILLINGLY EXCHANGE, FREE OF COST,
ANY "DISSTON" SAW NOT SATISFACTORY TO
THE USER, IF THE FAULT IS OURS.

NARROW WIDTH

HAND SAWS.

SHIP CARPENTER'S

100 SAW.



THIS PATTERN OF SAW WAS PARTICULARLY DESIGNED FOR SHIP CARPENTERS AND OTHERS WHOSE WORK NECESSITATED THE USE OF A NARROW WIDTH BLADE, THOUGH FOR A FEW YEARS PAST THE DEMAND HAS BEEN GRADUALLY INCREASING OWING TO SOME CARPENTERS PREFERRING IT TO THE WIDER STYLES.

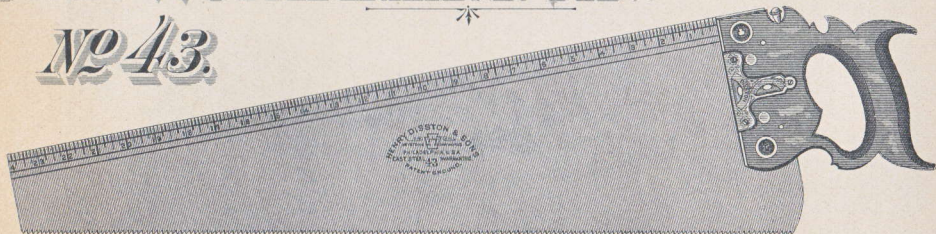
WE WILL FURNISH THE "SHIP SAW WIDTH" IN ANY OF THE REGULAR STYLES

WE HAVE MADE SAWS OF THIS WIDTH FOR OVER SIXTY-ONE YEARS

ONE OF THE MOST USEFUL **SAWS** —————
—————
EVER OFFERED TO THE **TRADE** .

A FULL COMBINATION SAW.

No 43.



HAND SAW, SAME QUALITY BLADE AS DISSTON No. 7

• 24 INCH SQUARE AND RULE •

• STRAIGHT-EDGE •

• SCRATCH-AWL •

INDEPENDENT HANDLE

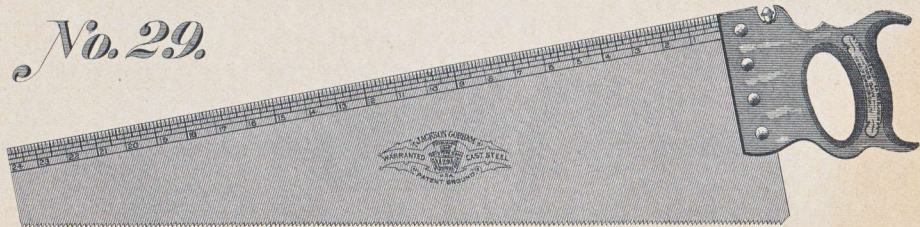
WITH PLUMB AND LEVEL ATTACHMENT.

**26 INCH
LENGTH
ONLY.**

No 42. SAME STYLE AS ABOVE WITHOUT PLUMB AND LEVEL ATTACHMENT.

THE COMBINING IN ONE TOOL OF THE ADVANTAGES OF SEVERAL
TENDS TO A SAVING OF TIME, LABOR AND EXPENSE.

No. 29.



COMPRISING

HAND SAW

24 INCH SQUARE AND RULE

STRAIGHT-EDGE

SCRATCH-AWL

INDEPENDENT HANDLE

26 INCH
LENGTH
ONLY.

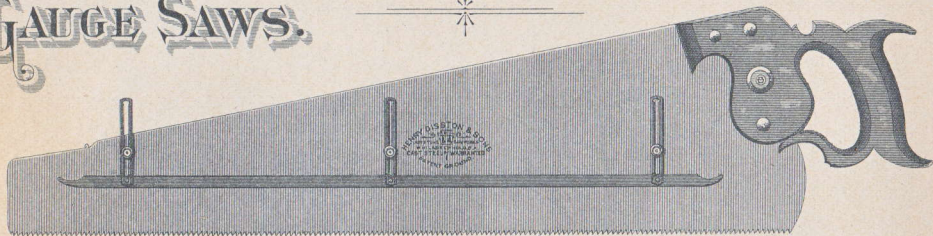
We Endeavor to
Anticipate all Requirements
in the Line of

SAWS.

A USEFUL DEVICE—

THE MERIT OF WHICH IS READILY APPARENT

GAUGE SAWS.



NO. 7. QUALITY AND PATTERN OF SAW.

ADAPTED FOR

TENONING—SHOULDERING—DOVETAILING

CURVING—COG-CUTTING

OR ANY PURPOSE—

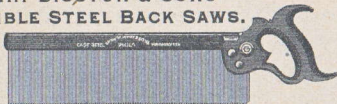
WHERE A DEFINITE DEPTH OF CUT IS REQUIRED

↓
FITTED TO
ANY PATTERN
STRAIGHT BACK
HAND SAW
↑

BACK SAWS OF DISSTON BRAND

PERFECT IN WORKMANSHIP AND TRUE IN CUTTING.

HENRY DISSTON & SONS'
CRUCIBLE STEEL BACK SAWS.



No. 4. DISSTON & SONS Apple Handle, Polished Edge, Blued Back.

DOVETAIL SAW.

Extra Quality Spring Steel, Polished Steel Back,
Apple Handle.



PATTERN-MAKER'S
SAW.

Extra Quality Spring Steel,
Apple Handle.



THE DISSTON SAWS

MAKE LESS KERF AND TAKE LESS MUSCLE
TO DRIVE THEM THAN MOST BRANDS.

DISSTON SAWS

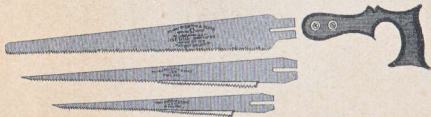
have been in the lead for **SIXTY-NINE YEARS**
and are still **AT THE HEAD.**

NO. 5. KEYHOLE SAW AND PAD.



This is a cheap and convenient combination of Keyhole Saw, Saw Pad and Screw-Driver.

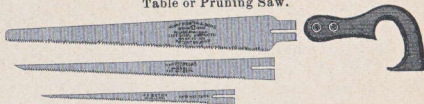
PATENT SQUARE HOLE SAWS.



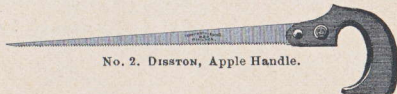
Square Hole Compass, Square Hole Saw and Pruning Blade.

NO. 3. NEST OF SAWS.

Patent Combining one each, Keyhole Compass and Table or Pruning Saw.



CAST-STEEL COMPASS SAW.

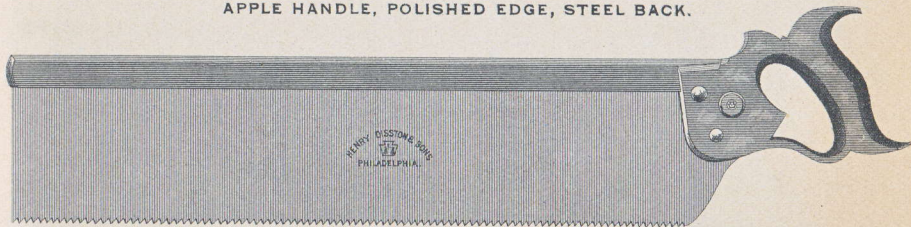


No. 2. Disston, Apple Handle.

The many unsolicited Testimonials received warrant our CLAIM for making
THE FINEST GRADE OF TOOLS.

FOR SAWING SMOOTH AND PERFECT MITRES
USE THE **DISSTON** No. 4, CRUCIBLE STEEL MITRE-BOX SAW.

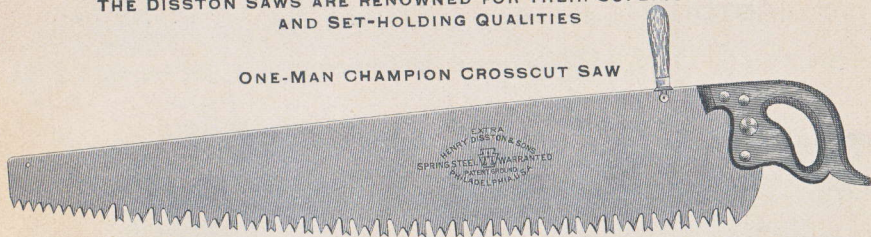
APPLE HANDLE, POLISHED EDGE, STEEL BACK.



THESE SAWS ARE MEASURED THE FULL LENGTH OF THE BLADE. THE PECULIAR
SHAPE OF BUTT OR HEEL MAKES THE TOOTHED EDGE ABOUT TWO INCHES SHORTER
THAN THE FULL LENGTH OF THE BLADE.

THE DISSTON SAWS ARE RENOWNED FOR THEIR SUPERIOR EDGE
AND SET-HOLDING QUALITIES

ONE-MAN CHAMPION CROSSCUT SAW



OTHER PATTERNS OF ONE-MAN AND WIDE SAWS ILLUSTRATED IN CROSSCUT SAW BOOKLET
MAILED ON REQUEST

CHAMPION CROSSCUT SAW



WITH THE SAME AMOUNT OF FITTING AND EXERTION THE DISSTON SAWS WILL DO
MORE WORK THAN ANY OTHER BRAND OF SAW ON THE MARKET

THE DISSTON LINE OF CROSSCUT SAWS IS COMPLETE AND UNEQUALED

ORIOLE CROSSCUT SAW



TENON TOOTH CROSSCUT SAW



HAVING A THOROUGH KNOWLEDGE OF THE REQUIREMENTS OF SAWS, WE MAKE
THEM TO MEET THOSE REQUIREMENTS

THE DISSTON METHOD OF GRINDING POSSESSED BY NONE OTHERS INSURES
A FREE AND RAPID CUTTING SAW

TRIUMPH GREAT AMERICAN
(NARROW CROSSCUT SAW)



GREAT AMERICAN CROSSCUT SAW



EVERY OPERATION, FROM THE MAKING OF THE STEEL TO THE FINISHED SAW IS
CAREFULLY SUPERVISED AT THE DISSTON WORKS, THUS ASSURING A
UNIFORMITY AND SUPERIORITY OF QUALITY

Accuracy, fineness of finish and superior quality of material are Characteristics of **DISSTON GOODS.**



**NO. 93
GAUGE.**

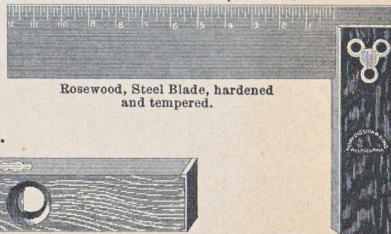
Mortise, Rosewood, Screw Slide, Head and Stem Plated, Thumb Screw.

**BEVEL, NO. 2.
WITH IMPROVED FLUSH SCREW.**



Rosewood with hardened
and tempered Blade.

TRY SQUARE, NO. 1



Rosewood, Steel Blade, hardened
and tempered.

NO. 16.



Arch Top Plate, two Side Views, Tipped and Polished.

—All **LUMBER** is thoroughly seasoned by us before being
MANUFACTURED INTO **STOCKS**.

DISSTON SCREW-DRIVERS.

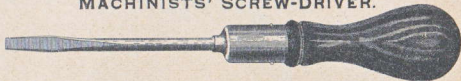
TELEGRAPH.



ELECTRIC.



MACHINISTS' SCREW-DRIVER.

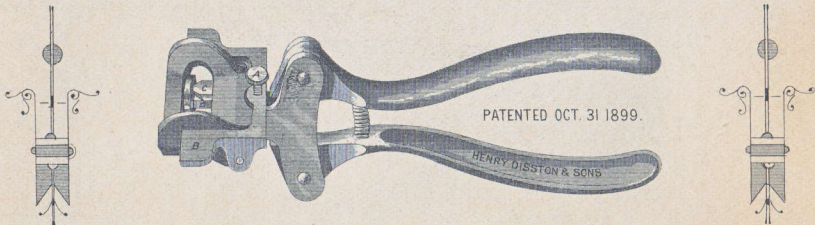


ROUND BLADES, MADE OF CRUCIBLE STEEL, CAREFULLY HARDENED AND TEMPERED. HARD-WOOD HANDLE, STAINED CHERRY. THE TANG IS DRIVEN IN THE HANDLE, THE RIVET EXTENDS THROUGH FERRULE, HANDLE AND TANG, AND HEADED AT BOTH ENDS, THUS PREVENTING THE BLADE FROM TURNING IN THE SOCKET, AND MAKING A STRONG AND DURABLE DRIVER.

WE MAKE VARIOUS PATTERNS OF SCREW-DRIVERS

DISSTON'S "TRIUMPH" SAW SET

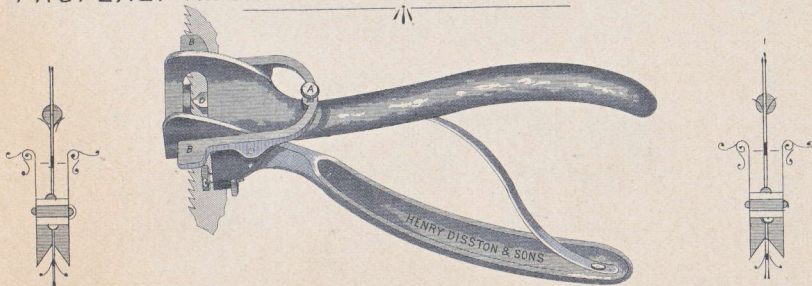
—PARTICULARLY ADAPTED FOR NARROW BLADES, SUCH AS WEB SAWS, NARROW BAND SAWS, ETC.



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.

DISSTON'S "MONARCH" SAW SET

IF PROPERLY ADJUSTED WILL NOT BREAK THE TEETH.



OPEN ON TOP. CLEAR VIEW OF THE WORK. DIE HAS
DIFFERENT SIZE FACES,
ALSO MADE IN LARGE SIZE FOR CROSS-CUT SAWS.

THE SAW



HOW TO CHOOSE IT AND HOW
TO KEEP IT IN ORDER

BEING A SERIES OF
PRACTICAL HINTS TO MECHANICS

THE writer of these pages spent over forty years in the earnest endeavor to improve that useful, nay indispensable tool, the Saw. The vigorous and almost fabulous growth of his reputation, and the brilliant success which has ultimately crowned his efforts, sufficiently attest the intrinsic value of his manufactures, and also the estimation in which they are held by a discerning and appreciative public. A man who has made a reputation for his goods, knows its value as well as its cost, and will always guard, defend and maintain it under all circumstances.

In selecting a saw, it is best to get one with a name on it which has some reputation. If a man desires to purchase a first-class watch, he selects a maker who has attained a reputation. This remark applies with equal force in the choice of a saw, or any other tool.

The first point to be observed in the selection of a saw, is to see that it "hangs" right. Grasp it by the handle and hold it in position for working. Then try if the

handle fits the hand properly. These are points of great importance for comfort and utility. A handle should be symmetrical, and the lines as perfect as any drawing. Many handles are made of green wood; they soon shrink and become loose, the screws standing above the wood. We season our handle-wood three years before using. An unseasoned handle is liable to warp and throw the saw out of shape. The next thing in order is to try the blade by springing it. Then see that it bends regularly and evenly from point to butt in proportion as the width and gauge of the saw varies. If the blade is too heavy in comparison to the teeth, the saw will never give satisfaction, because it will require more labor to use it. The thinner you can get a stiff saw the better. It makes less kerf, and takes less muscle to drive it. This principle applies to the well-ground saw. There is less friction on a narrow true saw than on a wide one. You will get a smaller portion of blade, but you will save much unnecessary labor at a very little loss of the width of the blade.

See that it is well set and sharpened, and has a good crowning breast; place it at a distance from you and get a proper light to strike on it; you can then see if there is any imperfection in grinding or hammering. "We should invariably make a cut before purchasing a saw, even if we had to carry a board to the hardware store." We set our saws on a stake or small anvil with one blow of a hammer. A highly tempered saw takes three or four blows of a hammer, as it is apt to break by attempting to set it with only one blow. This is a severe test, and no tooth ought to break afterwards in setting, nor will it, if the mechanic adopts the proper method. The saw that is easily filed and set is easily made dull. We have frequent complaints about hard saws, but they are not as hard as we would make them if we dared; but we shall never be able to introduce a harder saw until the mechanic is educated to a more correct method of setting it. As a rule saws are given more set than is necessary, and if more attention was paid to keeping points of the teeth well

sharpened, any well-made saw would run with very little set, and there would be fewer broken ones. The principal point is that too many try to get part of the set out of the body of the plate, when the whole of the set should be on the tooth. Setting below the root of the tooth distorts and strains the saw-plate. This may cause a full-tempered cast-steel blade to crack, and eventually break at this spot; but it is always an injury even if it does not crack or break. There are many saw-sets in use with which it is impossible to set a properly tempered saw without distorting the blade and tearing out the teeth.

To overcome this difficulty, we manufacture the Triumph and Monarch Saw Sets which are unequaled for simplicity, durability and accuracy in setting all kinds of Hand Saws, Web Saws, Wood Saws, Back Saws, Band and Small Circular Saws.

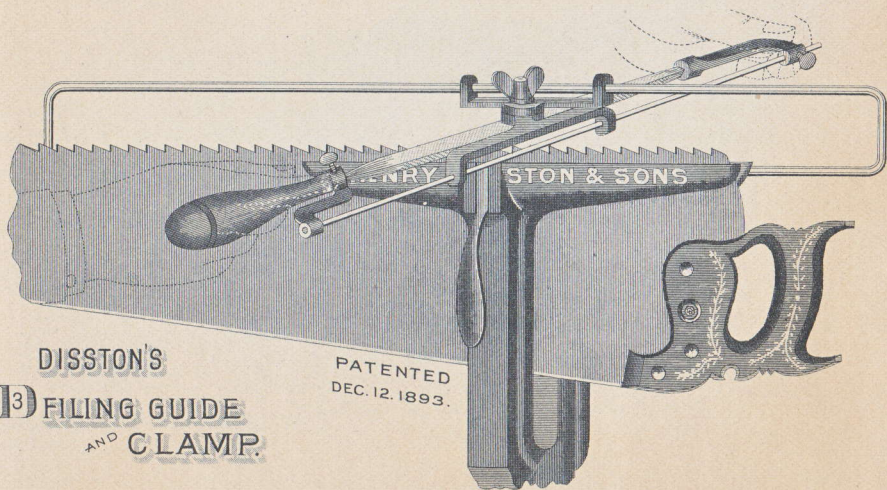
We guarantee these to do the work for which they are intended, if properly used; if they do not, the money will be refunded and the Sets can be returned at our expense.

We have long felt the need of a saw-set that would set the teeth of a saw without breaking, and which, at the same time can be worked by anybody, and believe these will meet all requirements.

To those not skilled in the art of saw filing we call attention to our **D³ FILING GUIDE AND CLAMP**, illustrated on following page. With the aid of this Guide a saw can be more accurately filed, and in much less time than by hand alone.

HENRY DISSTON & SONS, INC.

PHILADELPHIA, PA.



DISSTON'S
FILING GUIDE
AND CLAMP.

PATENTED
DEC. 12. 1893.

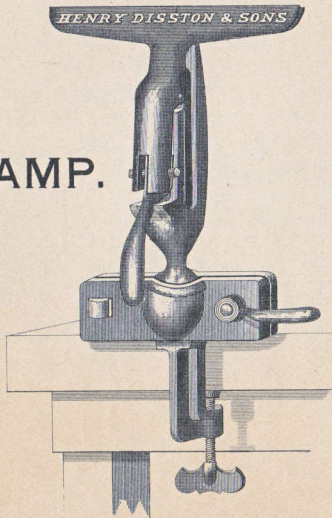
IMPROVED

NO. 1 ADJUSTABLE
BALL AND SOCKET

CLAMP.

LEVER TIGHTENER.

STRONG
AND
DURABLE.



THIS CLAMP IS NOW MADE WITH A LEVER TIGHTENER, SO ARRANGED AS TO HOLD THE SAW BLADE FIRMLY IN POSITION WHILST PERMITTING ITS INSTANT RELEASE BY A SLIGHT MOVEMENT OF THE LEVER. THE BALL AND SOCKET FEATURE OF THE NO. 1 CLAMP ENABLES THE OPERATOR TO ADJUST THE JAWS TO ANY ANGLE OR POSITION DESIRED.

WE MAKE OTHER STYLES
OF SAW CLAMPS.

DISSTON

SAW FILES.



MANUFACTURED FROM THE BEST QUALITY CRUCIBLE STEEL, MADE IN OUR OWN
STEEL WORKS.

CONSTANT CARE AS TO QUALITY OF MATERIAL, SHAPE, TEETH, HARDNESS, ETC.,
HAS ENABLED US TO PRODUCE A FILE THAT FOR

CORRECTNESS OF PATTERN AND WEARING QUALITIES
CANNOT BE EXCELLED.

WE MAKE A "SIX-INCH SAFE BACK CANT FILE" PARTICULARLY ADAPTED FOR FILING
THE No. 120 HAND SAW.

WE MANUFACTURE A FULL LINE OF

HAND
BACK
MITRE BOX
PRUNING
HACK
COMPASS
BUTCHER
JOINERS
DOVETAIL
WEB
SQUARE HOLE
STAIR BUILDERS'
KEYHOLE
NEST
WOOD

SAWS

CIRCULAR, BAND, CROSSCUT, MILL,
GANG AND DRAG SAWS, ETC.

—AND—

TROWELS, TRY SQUARES, BEVELS, PLUMB & LEVELS, GAUGES,
SCREW DRIVERS, SAW HANDLES, SAW SCREWS, SAW SETS,
SAW CLAMPS, POST HOLE DIGGERS, FILES, ETC.

DISSTON



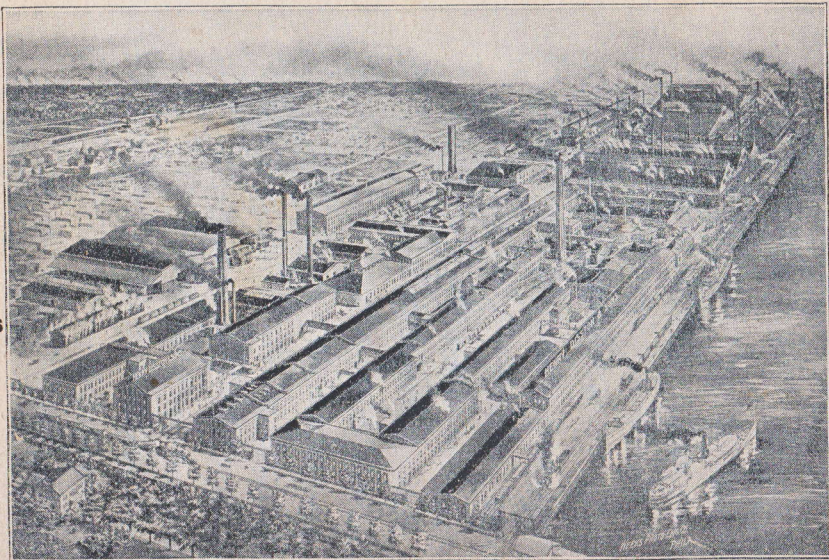
THE BRAND THAT STANDS
THE TEST OF TIME

HAS STOOD FOR ALL THAT IS BEST IN SAWS FOR THE PAST SEVENTY
YEARS AND ITS REPUTATION WILL BE MAINTAINED IN THE YEARS TO COME

IT CARRIES A FULL WARRANTY

50
ACRES

54
BUILDINGS



3500
EMPLOYEES

HENRY DISSTON & SONS, INC. SAW WORKS PHILADELPHIA, PA.