

E. C. ATKINS & Co.

Incorporated

INDIANAPOLIS, INDIANA, U. S. A.

SAWS



HARDWARE EDITION, 1906

E. C. ATKINS & Co., Inc.

ESTABLISHED 1857

INCORPORATED 1885

INDIANAPOLIS, INDIANA, U. S. A.



SAWS

SAW TOOLS
MILL
SPECIALTIES

HARDWARE EDITION, 1906

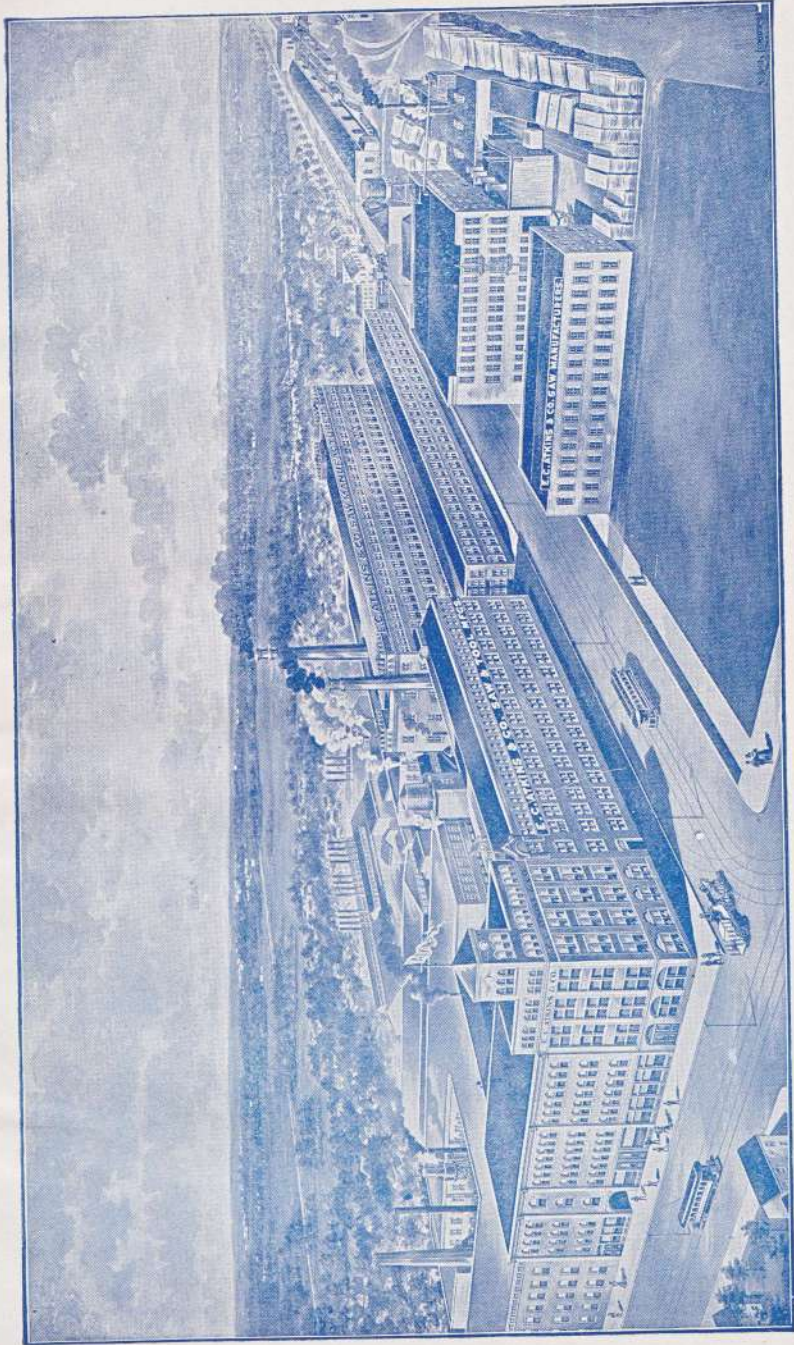
BRANCHES :

ATLANTA, GA.
CHICAGO, ILL.
MEMPHIS, TENN.

MINNEAPOLIS, MINN.
NEW ORLEANS, LA.
NEW YORK CITY.
PORTLAND, ORE.

SEATTLE, WASH.
SAN FRANCISCO, CAL.
TORONTO, CANADA.

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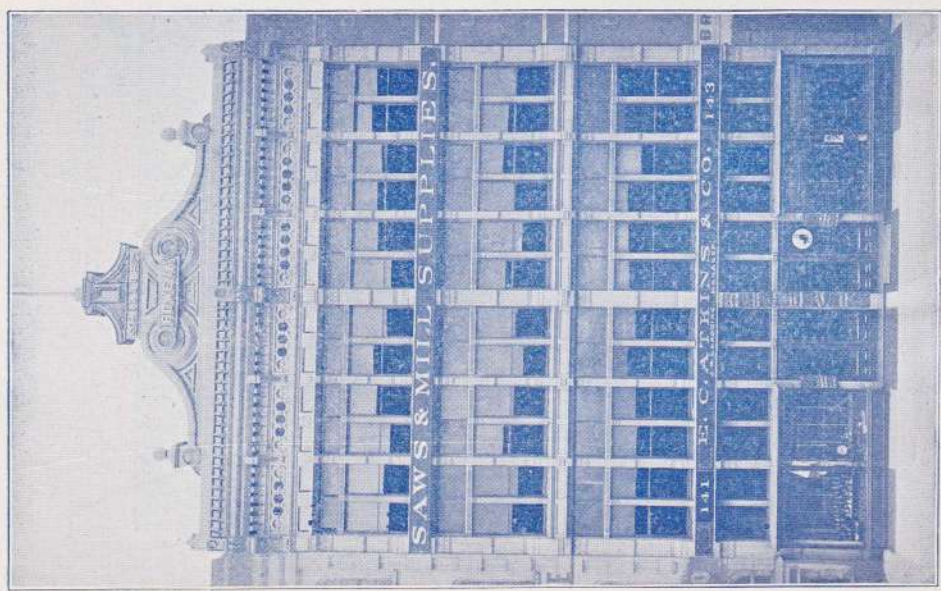
ESTABLISHED 1857

INCORPORATED 1885

**Manufacturing Plant of E. C. ATKINS & CO., Inc.
INDIANAPOLIS, INDIANA, U. S. A.**

Southwestern Branch
E. C. Atkins & Co., Inc.,
141-143 N. Main St.,
Memphis,
Tenn.

Pacific Coast Branch
E. C. Atkins & Co., Inc.,
60 First Street,
Portland,
Ore.

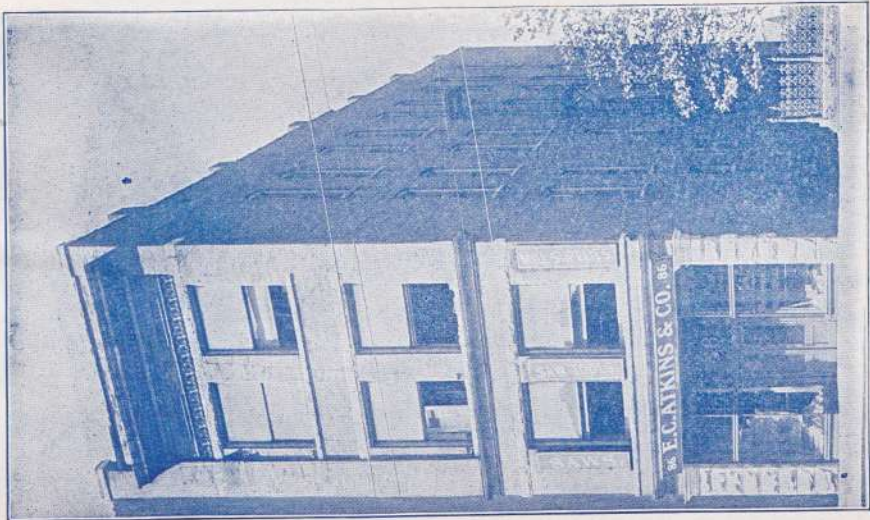


Memphis Branch

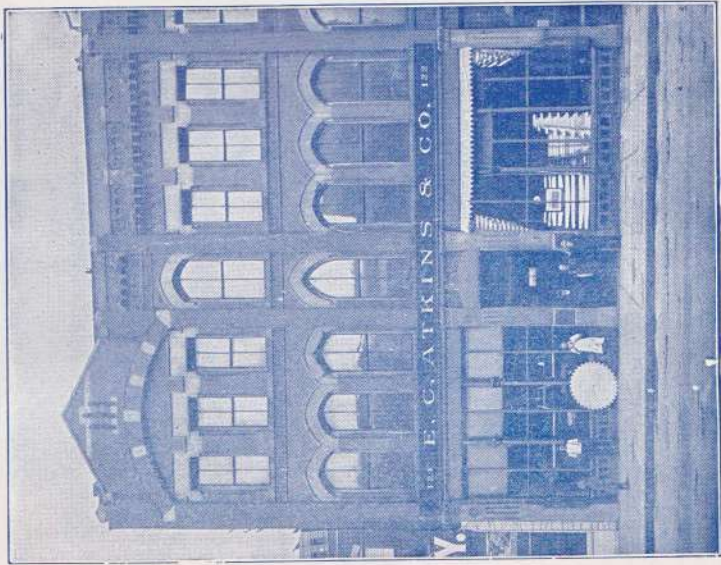


Portland Branch

Southeastern Branch
E. C. Atkins & Co., Inc.,
86 Marietta Street,
Atlanta, Ga.



Atlanta Branch



Minneapolis Branch

Northwestern Branch
E. C. Atkins & Co., Inc.,
122-124 Washington Ave., North,
Minneapolis, Minn.

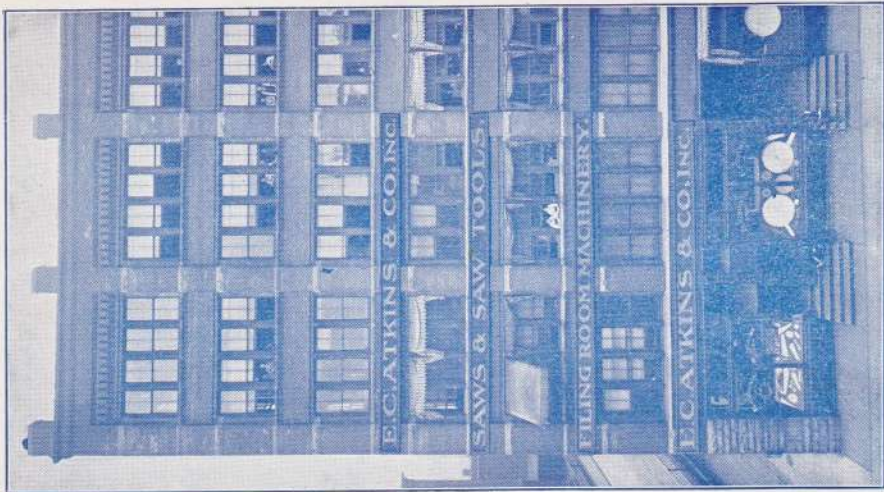
Eastern Branch,
E. C. Atkins & Co., Inc.,
No. 64 Reade Street,
New York City.

Central Branch,
E. C. Atkins & Co., Inc.,
No. 38 S. Canal St.,
Chicago, Ill.

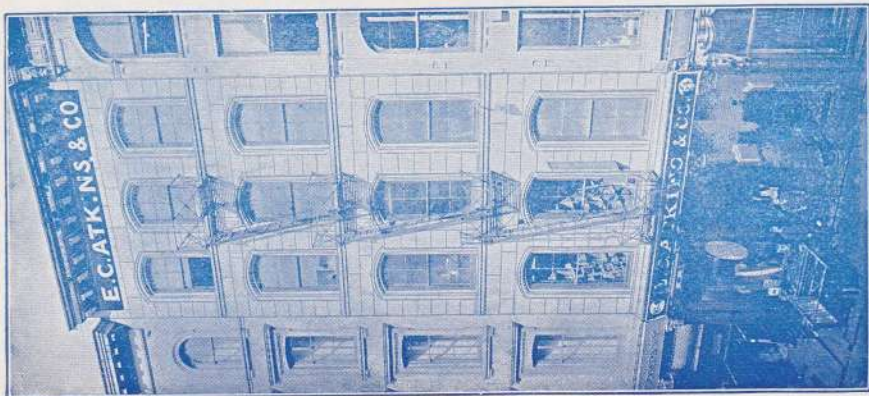


Canadian Branch

E. C. Atkins & Co., Inc.,
No. 56 King St., East,
Toronto, Ont.



Central Branch

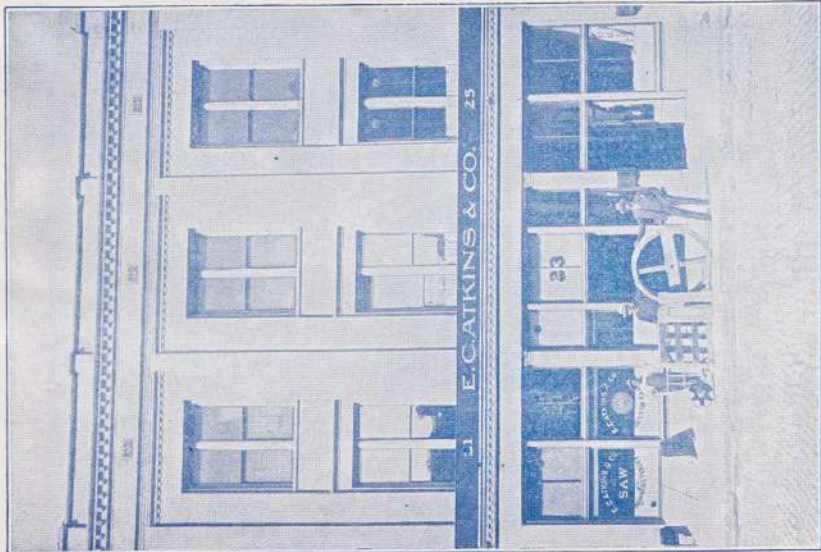


Eastern Branch

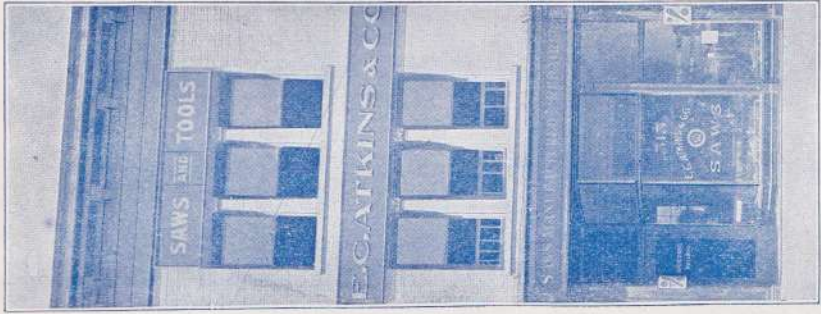
California Branch
E. C. Atkins & Co., Inc.,
Nos. 21, 23 and 25 Main Street,
San Francisco, Cal.

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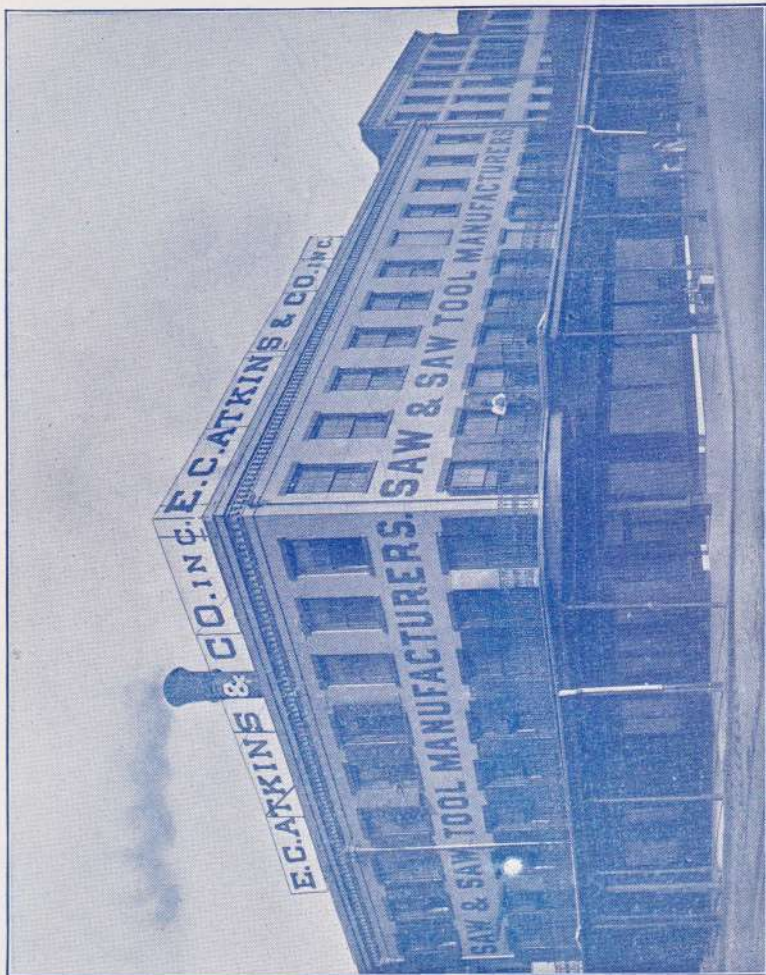
Puget Sound Branch
E. C. Atkins & Co., Inc.,
No. 313 Second Avenue, South,
Seattle, Wash.



California Branch.



Puget Sound Branch.



Gulf Coast Branch

Nos. 229 to 239 Canal Street, 102 to 106 North Peters Street,
NEW ORLEANS, LA.

OFFICE OF
E. C. ATKINS & Co., INCORPORATED
SHEFFIELD SAW WORKS

INDIANAPOLIS, IND., January 1, 1906.

TO THE TRADE:

We have the pleasure to submit herewith our illustrated Catalogue, containing the complete line of saws, tools and specialties of our manufacture, with revised price lists, which supersede all previous lists.

We have made no radical changes in our general line, but have added quite a number of specialties to our list and invite your careful examination of the following pages wherein you will find comprehensive illustrations and descriptions of our complete production of Saws, Saw Tools and Specialties, embracing the finest quality and most salable goods of the kind on the market.

The extensive additions and improvements which we have made in our plant during the past year have greatly increased our capacity in every department, and we are now in better shape than ever to execute all orders promptly and satisfactorily.

We shall continue to maintain the high standard of excellence which has characterized our Saws in the past and the trade may safely recommend them, secure in the knowledge that our guarantee is their protection. The Atkins Trade Mark on a saw is assurance of its superior quality and absolute reliability.

To accommodate our friends in their respective territories we maintain branches at Memphis, Tenn., Atlanta, Ga., Minneapolis, Minn., Portland, Ore., San Francisco, Cal., Seattle Wash., and New Orleans, La., where we operate complete repair shops. Orders for repair work sent to any of these branches will have as careful attention as though sent to the factory. We also have sales branches with complete stocks at New York City, Chicago, Ill., and also at Toronto, Canada.

Respectfully soliciting a continuance of your past favors, we remain,

Yours truly,

E. C. ATKINS & Co., INC.

TERMS OF WARRANTY.

Each saw is warranted as true as it is possible to make it, and free from flaws and seams. If found to be defective in any of these particulars it may be returned, and if, upon examination, the saw is found to be 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.

Saws cracked or broken, as the result of filing square corners in the gullets, or from using a cold-chisel or punch in re-toothing, will not be replaced under our warranty.

Any alterations in the holes of a circular saw by filing, reaming, or otherwise, will generally spring the saw. When such alteration is made, the saw will not be subject to above warranty.

The name of "E. C. Atkins & Co." on a saw is assurance to the buyer of its superior quality and reliability.

E. C. ATKINS & Co., INC.

SPECIAL WORK.

Owing to our large facilities for the successful manipulation of all kinds of sheet steel, we are prepared to furnish estimates and to manufacture almost any device from sheet steel. Submit designs and write for prices.

The demand for specially constructed saws for special work is constantly increasing. We are prepared to meet this demand fully and will take pleasure in furnishing tools designed to meet such cases. Write for any information or submit your plans to us for quotations.

We respectfully solicit your inquiries for prices and trust that this new catalogue will be found interesting and prove the means of securing a liberal share of your valued orders.

Special Notice

Unless parties are known to us or furnish us with satisfactory commercial reference, cash should always accompany orders, otherwise we will follow our custom in such cases and send the goods C. O. D.

Orders for all special work, saws or supplies, not catalogued, should be accompanied with a remittance.

Packages not exceeding four pounds in weight will be sent by mail when so ordered, the purchaser to pay postage and assume the risk of loss. If registered, the additional cost will be 8 cents.

All orders submitted through our agents or by mail are subject to our approval. If declined, the parties will be notified at once.

All goods are shipped at purchaser's risk.

All prices are f. o. b. factory.

Quotations are subject to change without notice and goods invoiced at current prices when shipped.

Errors in bills or shortages should be reported immediately upon receipt of goods.

Be particular to give correct and explicit shipping directions with order, and thereby avoid unnecessary delays in the delivery.

All bills are payable in New York exchange or other funds current at par at Indianapolis.

We reserve the right to correct stenographic errors on quotations or other important matters, and will not be held responsible for delays caused by strikes, acts of Providence, or other unavoidable causes.

Very truly,

E. C. ATKINS & Co., INC.

**Medals Awarded
E. C. Atkins & Co.**

CENTENNIAL EXPOSITION,

FIRST MEDAL.

PHILADELPHIA, 1876.



WORLD'S COLUMBIAN EXPOSITION,

CHICAGO, ILLINOIS, 1893.

HIGHEST AWARDS ON

**Circular, Cylinder, Band, Gang, Drag, Cross-Cut and Hand Saws,
for Variety Exhibited, Material, Workmanship and Finish.**



Medals Awarded E. C. Atkins & Co.

EXPOSITION UNIVERSELLE INTERNATIONAL,

PARIS, 1900.



**TWO GOLD
MEDALS.**

One for best
Circular
and
Band Saws.

One for best
Cross-Cut
and
Hand Saws.



PAN-AMERICAN EXPOSITION,

BUFFALO, N. Y., 1901.



**TWO GOLD
MEDALS.**

Highest
Awards on
Circular,
Bands,
Gang, Drag,
Cylinder
and
Mill Saws,
Cross-Cut,
Hand and
Small Saws,
Saw Tools.



We have many others, including the Cotton State Expositions
at New Orleans and Atlanta.

E. C. ATKINS & CO.'S REGISTERED TRADE MARKS.



DEXTER

(TRADE MARK)



PHOENIX



THE ATKINS TELEGRAPHIC CODE.

We call particular attention to our new FIVE-LETTER CODE, as given below, and respectfully ask our patrons to make use of same, as far as possible, when telegraphing.

Time and Manner of Shipping.

Aback Express at once.
 Abaft Freight at once.
 Abash Express as soon as possible.
 Abate Freight as soon as possible.
 Abbey Answer, saying when you can ship.
 Abeam Order confirmed by mail.
 Abhor When will you ship order?
 Abide If you cannot ship at once, advise us by wire.
 Abode Customer in great hurry.
 Abyss Customer will cancel if not shipped at once.

Shipments Questions.

Abuse Shall we ship via rail?
 Acorn Shall we ship via rail and lakes?
 Acrid Shall we ship via steamer?
 Actor Shall we ship via express?
 Acute Shall we ship via sailing vessel?
 Adage Shall we ship via cheapest route?
 Adapt Shall we ship via quickest route (freight)?
 Adder When will you ship?
 Admix When can you ship?
 Adult Can you ship us promptly?
 Agape Can you ship today?
 Agate Can you make shipment by the
 Agast Can you ship on receipt of order?
 Agile Can you furnish within
 Agone When can you ship us partial shipment?
 Aneal When can you make complete shipment of our
 order?
 Abear When will you complete our order?
 Angel When and how did you make shipment?
 Anger Where did you make shipments?
 Angle Shall we get through rate of freight?
 Anile Shall we prepay freight?
 Anise Shall we prepay express?
 Ankle Shall we send wire tracer after shipment?
 Annal Shall we cancel unfilled portion of order?
 Annex Shall we hold for shipping instructions?
 Annoy Shall we make partial shipment, balance later?
 Antic Shall we enter order to be shipped at earliest
 date possible?

Shipments Answers.

Apace Ship via rail.
 Apeak Ship via rail and lakes.
 Apery Ship via steamer.
 Apian Ship via express.
 Apish Ship via sailing vessel.
 Aport Ship via cheapest route.
 Appal Ship via quickest route (freight).
 Apron We can ship
 Aptly We can ship at once.
 Araby We expect to ship today.
 Ardor We expect to ship
 Arear We expect to ship order complete
 Areek We expect to make partial shipment
 Arena We expect to ship balance of order
 Argon We made you shipment
 Argot We completed your order
 Argue Shipment was made to
 Argus Shipment was made by
 Arian Shipment was made on
 Ariel We will ship as soon as possible.
 Arise We can make shipment on receipt of order.
 Armed We cannot promise definitely.
 Armor Impossible for us to fill your order in time spe-
 cified.
 Arose If ordered immediately, can ship
 Array If ordered today, can ship
 Arrow Will do our best to ship earlier.

Shipments Answers—Cont'd.

Aside Will try to ship in 1 day.
 Aspen Will try to ship in 2 days.
 Aspic Will try to ship in 3 days.
 Assay Will try to ship in 4 days.
 Astel Will try to ship in 5 days.
 Astun Will try to ship in 6 days.
 Asure Will try to ship in 7 days.
 Atilt Will try to ship in 8 days.
 Atimy Will try to ship in 9 days.
 Atjar Will try to ship in 10 days.
 Atluk Will try to ship in 2 weeks.
 Atman Will try to ship in 3 weeks.
 Atoll Will try to ship in 4 weeks.
 Atone Will try to ship in 5 weeks.
 Attic Will try to ship in 6 weeks.
 Attus Will try to ship in 60 days.

Shipments Instructions.

Audit Please send shipping instructions.
 Auget We have sent wire tracer after shipment.
 Aunty Ship today sure.
 Aural Ship today or cancel.
 Auris Ship as soon as possible.
 Avail Ship on the date specified without fail.
 Avens Ship at once any portion of our order.
 Avert Ship today what you have ready and balance
 at earliest convenience.
 Avian Very urgent, rush order.
 Aview Cancel our order.
 Avoke Cancel balance of order.
 Awake Cancel balance of order unless shipped by
 Awful We are entirely out of
 Awned We are urgently in need of
 Axiom Send wire tracer after shipment.
 Axmon Get through rate of freight.
 Aziam Prepay freight.
 Azale Prepay express.

Prices.

Bacon At what prices can you furnish?
 Badge At what price and how soon can you furnish?
 Bafta Prices are subject to change without notice.
 Baggy We quote you
 Bairn We cannot furnish
 Baize Not less than
 Baked Delivery in your city.
 Baken Free on board at
 Baler Less freight allowance per 100 pounds of
 Balky Please send specifications in detail.
 Balmy We cannot accept offer
 Balsa You can quote

Orders.

Banal We have entered your order for
 Bandy Enter our order at prices named.
 Banjo Will you accept order?
 Banns We accept your order.
 Banty Duplicate our order
 Barky Enter our order for
 Baron Send detail specifications.
 Basal We cannot accept your order.
 Basic Order confirmed by mail.

General.

Basso See letter of this date.
 Baste Please reply immediately by telegraph.
 Basyl Your telegram is unintelligible, please repeat.

Discounts.

Per Cent.	Per Cent.
Batch 2	Bites 45
Bathe 2½	Blame 50
Baton 3	Bland 50-5
Bazar 5	Blare 50-10
Beaky 7½	Blast 50-10-5
Beam 10	Blaze 50-10-10
Beard 15	Bleak 55
Beast 20	Blear 60
Bedew 20-5	Bless 60-5
Beeve 20-10	Blind 60-10
Befit 20-10-5	Blink 60-10-5
Befog 20-10-10	Bliss 60-10-10
Belay 25	Bloat 65
Belie 30	Boast 70
Belle 30-5	Bogle 70-5
Berob 30-10	Bogus 70-10
Berry 30-10-5	Boost 70-10-5
Berth 30-10-10	Boots 70-10-10
Beryl 35	Booty 75
Beset 40	Borne 80
Bight 40-5	Bossy 80-5
Bigot 40-10	Bower 80-10
Biped 40-10-5	Boxer 80-10-5
Bison 40-10-10	Braid 80-10-10

Terms.

Brain 10 days net.
Brash 30 days net.
Bravo 60 days net.
Brawl 90 days net.
Braxy 4 months net.
Breed Special terms per contract.
B'be 2 per cent. cash in 10 days or 60 days net.
Brier 3 per cent. cash in 10 days.

Circular and Mill Saws.

Cabal Circular saws, solid tooth rip.
Cabby Circular saws, solid tooth cross-cut.
Cabin Circular saws, solid tooth Kerf King.
Cache Circular saws, solid tooth shingle or heading saws.
Caddy Circular saws, inserted chisel tooth (style tooth No. 5).
Cadet Circular saws, inserted chisel tooth (style tooth No. 4).
Cadge Circular saws, inserted chisel tooth (style tooth No. 3).
Calix Circular saws, inserted chisel tooth (style tooth No. 2½).
Calla Circular saws, inserted chisel tooth (style tooth No. 2).
Camel Circular saws, inserted chisel tooth (style tooth No. 1).
Canal Circular saws, inserted chisel tooth (short holder pattern).
Candy Circular saws, solid tooth, edgers.
Caned Circular saws, solid tooth, re-saws.
Canny Circular saws, solid tooth, top saws.
Canoe Circular saws, veneering saws in segments.
Canto Circular saws, slate.
Caper Circular saws, McKam tooth.
Carib Circular saws, wabble.
Carol Circular saws, lock corner box cutters.
Carom Circular knives.
Carve Circular saws, metal
Caste Circular saws, milling saws for Bryant machine.
Catch Circular saws, milling saws for Higley machine.
Cater Circular saws, lathe.
Catty Circular saws, Tindel high duty.
Cavil Band saws, (mill).
Chafe Band saws, (scroll).
Chalk Mulay saws.
Chant Mulay saws, special pattern for Chandler & Taylor mill.
Charm Gang saws.
Chasm Rift saws.
Cheer Drag saws, tapered 8 x 6 inches.
Chide Drag saws, tapered 7 x 5 inches.
Chump Drag saws, tapered 7½ x 4½ inches.
Churn Drag saws, equal width, 10 inches.

Circular and Mill Saws—Cont'd.

Cider Drag saws, equal width, 8 inches.
Cinch Drag saws, lance tooth.
Clash Drag saws, turtle tooth.
Cleft Drag saws, mill tooth.
Cleave Drag saws, single hook tooth.
Click Drag saws, Diamond tooth.
Cliff Whip saws.
Climb Pit Saws.
Clink Cylinder Saws.
Cloak Bilge Saws.

Speed—Revolutions per Minute.

Clerk 200	Comus 1350
Cleve 250	Couch 1400
Click 275	Coney 1450
Cliff 300	Conid 1500
Climb 325	Conne 1550
Cling 350	Cooky 1600
Clipt 375	Coomb 1650
Cloak 400	Cooth 1700
Closh 425	Coppy 1750
Closh 450	Copsy 1800
Cload 475	Coque 1850
Clove 500	Coral 1900
Crown 525	Corne 1950
Clubs 550	Cosey 2000
Clump 575	Cough 2100
Coach 600	Count 2200
Coaly 625	Coury 2500
Coats 650	Cover 2750
Cocoa 675	Cowan 3000
Codex 700	Cowle 3250
Codle 725	Coxal 3500
Cohog 750	Cozen 3750
Coign 775	Crake 4000
Coind 800	Cramp 4500
Coync 825	Crash 5000
Cokes 850	Crawl 5500
Colic 875	Craze 6000
Colly 900	Cream 6500
Colon 950	Credo 7000
Colza 1000	Creel 7500
Comal 1050	Crisp 8000
Combs 1100	Croak 8500
Comet 1150	Crone 9000
Comic 1200	Crust 9500
Comma 1250	Cyzer 10000
Compo 1300	

Diameter.

Daffy 1 inch.	Diary 38 inch.
Dairy 2 inch.	Dicky 40 inch.
Daisy 3 inch.	Digit 42 inch.
Dally 4 inch.	Dingy 44 inch.
Dance 5 inch.	Dirge 46 inch.
Dandy 6 inch.	Dirty 48 inch.
Darby 7 inch.	Doggy 50 inch.
Daunt 8 inch.	Dolce 52 inch.
Davit 9 inch.	Dolly 54 inch.
Dawdy 10 inch.	Dolor 56 inch.
Dazed 11 inch.	Donor 58 inch.
Death 12 inch.	Doric 60 inch.
Debar 13 inch.	Dotty 62 inch.
Debut 14 inch.	Doubt 64 inch.
Decay 15 inch.	Dough 66 inch.
Decoy 16 inch.	Douse 68 inch.
Decry 17 inch.	Dower 70 inch.
Defer 18 inch.	Downy 72 inch.
Deify 19 inch.	Drama 74 inch.
Deign 20 inch.	Drape 76 inch.
Deity 21 inch.	Drawl 78 inch.
Delve 22 inch.	Dread 80 inch.
Demit 23 inch.	Dream 82 inch.
Demon 24 inch.	Drego 84 inch.
Demut 25 inch.	Dress 86 inch.
Denim 26 inch.	Drier 88 inch.
Dense 27 inch.	Drift 90 inch.
Derby 28 inch.	Drink 92 inch.
Deter 29 inch.	Droll 94 inch.
Deuce 30 inch.	Drone 96 inch.
Devil 32 inch.	Droop 98 inch.
Devon 34 inch.	Dross 100 inch.
Diana 36 inch.	

Gauge.

Eager	30	Enarm	7 x 15
Easel	29	Endew	7 x 16
Eaves	28	Endie	7 x 17
Ebrew	27	Eneid	8 x 8
Eburn	26	Enema	8 x 9
Eccle	25	Enemy	8 x 10
Echin	24	Enerd	8 x 11
Eclat	23	Engin	8 x 12
Ecole	22	Engle	8 x 13
Ectal	21	Ensky	8 x 14
Edder	20	Ensue	8 x 15
Edict	19	Entad	8 x 16
Edify	18	Entry	8 x 17
Edile	17	Envoy	8 x 18
Educt	16	Enzym	9 x 9
Efaggs	15	Eosin	9 x 10
Egret	14	Epaet	9 x 11
Eisel	13	Ephah	9 x 12
Ejido	12	Ephor	9 x 13
Eking	11	Epoch	9 x 14
Elaic	10	Epode	9 x 15
Elamp	9	Epure	9 x 16
Elate	8	Erack	9 x 17
Elder	7	Erato	9 x 18
Elect	6	Erber	10 x 10
Elegy	5	Erbia	10 x 11
Elemi	4	Erect	10 x 12
Elfin	3	Ergal	10 x 13
Elide	2	Ergon	10 x 14
Elmes	1	Erica	10 x 15
Elode	5 x 5	Ermin	10 x 16
Eloge	5 x 6	Erose	10 x 17
Eloin	5 x 7	Erump	10 x 18
Elong	6 x 6	Ervum	11 x 11
Elope	6 x 7	Escar	11 x 12
Elsen	6 x 8	Esmal	11 x 13
Elute	6 x 9	Essay	11 x 14
Elver	6 x 10	Estat	11 x 15
Email	6 x 11	Ester	11 x 16
Emang	6 x 12	Estoc	11 x 17
Embar	6 x 13	Estre	11 x 18
Embla	6 x 14	Etaac	11 x 19
Embog	6 x 15	Ethal	11 x 20
Emery	6 x 16	Ethic	12 x 12
Emeer	7 x 7	Ethic	12 x 13
Emend	7 x 8	Ethos	12 x 14
Emmet	7 x 9	Erite	12 x 15
Empty	7 x 10	Etude	12 x 16
Empt	7 x 11	Eurus	12 x 17
Emrod	7 x 12	Evade	12 x 18
Enact	7 x 13	Event	12 x 19
Enage	7 x 14	Evict	12 x 20

Hand of Saws.

Fable..... Right Hand Facer..... Left Hand

Number of Teeth.

Facie	4 teeth.	Fetch	58 teeth.
Fadge	6 teeth.	Fetor	60 teeth.
Faggy	8 teeth.	Fever	62 teeth.
Fagot	10 teeth.	Fibre	64 teeth.
Fagus	12 teeth.	Fiend	66 teeth.
Faham	14 teeth.	Fiery	68 teeth.
Faint	16 teeth.	Filch	70 teeth.
Fairy	18 teeth.	Filet	72 teeth.
Faith	20 teeth.	Filly	74 teeth.
False	22 teeth.	Filum	76 teeth.
Fancy	24 teeth.	Final	78 teeth.
Fanon	26 teeth.	Finch	80 teeth.
Farad	28 teeth.	Finis	82 teeth.
Farce	30 teeth.	Finit	84 teeth.
Faren	32 teeth.	Finny	86 teeth.
Fasel	34 teeth.	Firth	88 teeth.
Fatal	36 teeth.	Fitch	90 teeth.
Fauld	38 teeth.	Flail	92 teeth.
Favel	40 teeth.	Flake	94 teeth.
Feast	42 teeth.	Flank	96 teeth.
Feces	44 teeth.	Flash	98 teeth.
Feign	46 teeth.	Flaxy	100 teeth.
Felon	48 teeth.	Fleak	110 teeth.
Fenks	50 teeth.	Fletz	120 teeth.
Foef	52 teeth.	Flier	130 teeth.
Ferny	54 teeth.	Fling	140 teeth.
Fetal	56 teeth.	Flirt	150 teeth.

Number of Teeth—Cont'd.

Float	.....160 teeth.	Foggy	..... 44 to 50.
Flock	.....170 teeth.	Foist	..... 46 to 52.
Flown	.....180 teeth.	Fonde	..... 48 to 54.
Fluff	..... 30 to 36.	Foray	..... 50 to 56.
Fluid	..... 32 to 38.	Forté	..... 52 to 58.
Flush	..... 34 to 40.	Forum	..... 54 to 60.
Flute	..... 36 to 42.	Fount	..... 56 to 62.
Flyer	..... 38 to 44.	Foyne	..... 58 to 64.
Focal	..... 40 to 46.	Frack	..... 60 to 66.
Focus	..... 42 to 48.		

Point to Point.

Frill	..... ¼ inch.	Funny	..... 1¾ inch.
Frisk	..... ½ inch.	Funge	..... 2 inches.
Frith	..... ¾ inch.	Furil	..... 2½ inches.
Fudge	..... 1 inch.	Futsy	..... 2¾ inches.
Fugie	..... 1¼ inch.	Fyord	..... 2¾ inches.
Funic	..... 1½ inch.	Fyldc.	..... 3 inches.

Diameter of Holes.

Gabby Standard mandrel and pin holes.

Mandrel Holes.

Gadhi	..... ¼ inch.	Glint	..... 2-in. full.
Gaily	..... ⅜ inch.	Globy	..... 2-in. scant.
Galea	..... ½ inch.	Glare	..... 2½ inch.
Gamba	..... ⅝ inch.	Glory	..... 2¾ inch.
Garum	..... ¾ inch.	Glove	..... 2¾ inch.
Gaudy	..... ¾ inch.	Glump	..... 2¾ inch.
Gavel	..... 1 inch.	Gnasp	..... 2¾ inch.
Gawky	..... 1 inch.	Gnome	..... 2¾ inch.
Geist	..... 1¼ inch.	Graf	..... 2¾ inch.
Gelid	..... 1¼ inch.	Grail	..... 2¾ inch.
Gemel	..... 1¼ inch.	Grape	..... 2¾ inch.
Gemma	..... 1¼ inch.	Greet	..... 2¾ inch.
Gemot	..... 1¼ inch.	Gride	..... 2¾ inch.
Gcnct	..... 1½ inch.	Grief	..... 2¾ inch.
Genie	..... 1½ inch.	Grill	..... 2¾ inch.
Genus	..... 1½ inch.	Grive	..... 2¾ inch.
Geode	..... 1½ inch.	Groin	..... 2¾ inch.
Gerne	..... 1½ inch.	Grope	..... 3 inch.
Ghost	..... 1½ inch.	Groom	..... 3½ inch.
Gilet	..... 1½ inch.	Growl	..... 4 inch.
Glace	..... 1½ inch.	Guara	..... 4½ inch.
Glady	..... 1½ inch.	Guile	..... 5 inch.
Gland	..... 1½ inch.	Guird	..... 5½ inch.
Glick	..... 2-in. even.	Gumps	..... 6 inch.

Pin Holes.

Habit	..... ⅝ inch.	Haust	..... ⅝ inch.
Haler	..... ¾ inch.	Haven	..... ¾ inch.
Hamal	..... ¾ inch.	Hawse	..... ¾ inch.
Hanse	..... ¾ inch.	Hazel	..... ¾ inch.
Hatch	..... ¾ inch.	Heave	..... ¾ inch.
Haulm	..... ¾ inch.	Heazy	..... 1 inch.

Chisel Bit Holders and Teeth.

	Pattern.		Pattern.
Hedge	..... No. A.	Hocus	..... No. D D.
Heigh	..... No. B.	Hodge	..... No. 5.
Hemic	..... No. C.	Hoker	..... No. 4.
Hewer	..... No. D.	Holly	..... No. 3.
Hinch	..... No. A. A.	Honey	..... No. 2.
Hoard	..... No. B. B.	Hooch	..... Short Holder.
Hobby	..... No. C. C.		

Width of Point of Chisel Bit Teeth.

Icche	..... ⅜ inch.	Index	..... ⅜ inch.
Ichor	..... ½ inch.	Indin	..... ½ inch.
Ictus	..... ⅝ inch.	Indue	..... ⅝ inch.
Ideal	..... ¾ inch.	Inert	..... ¾ inch.
Idiot	..... ¾ inch.	Infer	..... ¾ inch.
Idler	..... ¾ inch.	Inhex	..... ¾ inch.
Igloo	..... ¾ inch.	Iniad	..... ¾ inch.
Ileum	..... ¾ inch.	Inkle	..... ¾ inch.
Imago	..... ¾ inch.	Inlet	..... ¾ inch.
Imide	..... ¾ inch.	Inmid	..... ¾ inch.
Impar	..... ¾ inch.	Inovo	..... ¾ inch.
Inane	..... ¾ inch.	Irian	..... ¾ inch.
Incle	..... ¾ inch.		

Shingle Machines.

Jacal	.....	Challoner's Hand Feed Machine.
Jacky	.....	Challoner's Double Block Machine.
Jager	.....	Challoner's Ten Block Machine.
Jalee	.....	Perkins Grand Mogul.
Jamba	.....	Perkins Columbia.
Jaunt	.....	Perkins Michigan Favorite.
Javel	.....	Perkins Perfection.
Jawed	.....	Trevor Machine.
Jazel	.....	Chase Machine.
Jelly	.....	Greenwood Machine.
Jerky	.....	Flynn Machine.
Jewel	.....	Lane's Machine.
Jifty	.....	Novelty No. 3 Machine.
Jippo	.....	Novelty No. 4 Machine.
Joker	.....	Buckeye Hall's Patent.
Joule	.....	Dunbar.
Jubba	.....	Mitchell Clipper.
Judge	.....	Letson & Burpee.
Jugal	.....	Saw Only, No Flange.
Jugum	.....	Saw and New Flange Complete.
Juice	.....	Saw to be Fitted to Old Flange.
Julep	.....	Templey by Mail.

Diameter of Flanges.

Kalan	.....16	inches.	Kedge	.....24	inches.
Kalpa	.....18	inches.	Keech	.....25	inches.
Kambu	.....20	inches.	Kelis	.....26	inches.
Kapok	.....21½	inches.	Ketch	.....27	inches.
Karat	.....22	inches.	Ketol	.....28	inches.

Feed.

Keyel	.....1	inch.	Kithe	.....5	inches.
Keyed	.....1½	inches.	Kitty	.....6	inches.
Kiaek	.....2	inches.	Kiver	.....7	inches.
Kieve	.....2½	inches.	Klang	.....8	inches.
Kilts	.....3	inches.	Kloof	.....9	inches.
Kinch	.....3½	inches.	Knack	.....10	inches.
Kirle	.....4	inches.	Knaave	.....11	inches.
Kitar	.....4½	inches.	Knell	.....12	inches.

Kind of Dress.

Knick	.....	Spring Set.
Knoll	.....	Spread or Swage Set.

Kind of Timber.

Knout	.....	Hardwood.	Kotow	.....	Hemlock.
Knowl	.....	Softwood.	Kreel	.....	Fir.
Knuf.	.....	Norway Pine.	Krore	.....	Redwood.
Knurl	.....	Yellow Pine.	Kukri	.....	All Kinds of
Kokil	.....	Hickory.		.....	Timber.

Length.

Labor	.....	¼	foot.	Leger	.....16	feet.
Lache	.....	⅓	foot.	Leggy	.....17	feet.
Ladle	.....	½	foot.	Leman	.....18	feet.
Lagre	.....	⅔	foot.	Lemma	.....19	feet.
Laith	.....	¾	foot.	Lends	.....20	feet.
Lakin	.....	1	foot.	Lente	.....21	feet.
Lamba	.....	2	feet.	Lepal	.....22	feet.
Lanky	.....	3	feet.	Lepra	.....23	feet.
Lapis	.....	3½	feet.	Lerry	.....24	feet.
Larch	.....	4	feet.	Leste	.....25	feet.
Lardy	.....	4½	feet.	Letch	.....26	feet.
Larix	.....	5	feet.	Leton	.....27	feet.
Laser	.....	5½	feet.	Leuch	.....28	feet.
Lasso	.....	6	feet.	Leute	.....29	feet.
Lates	.....	6½	feet.	Lefay	.....30	feet.
Lause	.....	7	feet.	Levec	.....31	feet.
Lavic	.....	7½	feet.	Levin	.....32	feet.
Lawny	.....	8	feet.	Lewan	.....33	feet.
Lazar	.....	8½	feet.	Lewth	.....34	feet.
Leach	.....	9	feet.	Libel	.....35	feet.
Leaky	.....	9½	feet.	Lichi	.....36	feet.
Learn	.....	10	feet.	Licit	.....37	feet.
Lease	.....	10½	feet.	Lifen	.....38	feet.
Leddy	.....	11	feet.	Ligan	.....39	feet.
Leder	.....	12	feet.	Likes	.....40	feet.
Ledge	.....	13	feet.	Limam	.....41	feet.
Leful	.....	14	feet.	Limbo	.....42	feet.
Legal	.....	15	feet.	Limes	.....43	feet.

Length—Cont'd.

Limps	.....	44	feet.	Loris	.....	82	feet.
Linch	.....	45	feet.	Lorry	.....	83	feet.
Linen	.....	46	feet.	Lorum	.....	84	feet.
Lingo	.....	47	feet.	Loser	.....	85	feet.
Lippy	.....	48	feet.	Lotah	.....	86	feet.
Lisps	.....	49	feet.	Loter	.....	87	feet.
Lisse	.....	50	feet.	Lothe	.....	88	feet.
Litel	.....	51	feet.	Loupe	.....	89	feet.
Lithe	.....	52	feet.	Loves	.....	90	feet.
Litui	.....	53	feet.	Lowan	.....	91	feet.
Lived	.....	54	feet.	Lowly	.....	92	feet.
Livar	.....	55	feet.	Lozel	.....	93	feet.
Livid	.....	56	feet.	Lucid	.....	94	feet.
Loach	.....	57	feet.	Lucky	.....	95	feet.
Loans	.....	58	feet.	Lucre	.....	96	feet.
Loath	.....	59	feet.	Lulla	.....	97	feet.
Lobar	.....	60	feet.	Lummy	.....	98	feet.
Lobby	.....	61	feet.	Lumps	.....	99	feet.
Lobed	.....	62	feet.	Lunar	.....	100	feet.
Lobus	.....	63	feet.	Lunch	.....	105	feet.
Local	.....	64	feet.	Lunda	.....	110	feet.
Locks	.....	65	feet.	Lunet	.....	115	feet.
Locus	.....	66	feet.	Lunge	.....	120	feet.
Lodge	.....	67	feet.	Lupin	.....	125	feet.
Loess	.....	68	feet.	Luppa	.....	130	feet.
Loffe	.....	69	feet.	Lupus	.....	135	feet.
Lofty	.....	70	feet.	Lures	.....	140	feet.
Logan	.....	71	feet.	Lurks	.....	145	feet.
Logic	.....	72	feet.	Lusty	.....	150	feet.
Lokau	.....	73	feet.	Lutes	.....	200	feet.
Lolly	.....	74	feet.	Lyart	.....	300	feet.
Looby	.....	75	feet.	Lycee	.....	400	feet.
Looper	.....	76	feet.	Lycin	.....	500	feet.
Loony	.....	77	feet.	Lyden	.....	600	feet.
Lourd	.....	78	feet.	Lymph	.....	700	feet.
Loppy	.....	79	feet.	Lynch	.....	800	feet.
Loral	.....	80	feet.	Lynde	.....	900	feet.
Lorer	.....	81	feet.	Lyric	.....	1000	feet.

Width.

Mabby	.....	⅓	Merge	.....	18
Macaw	.....	⅓	Merit	.....	19
Macer	.....	¼	Mesad	.....	20
Macle	.....	⅓	Mesby	.....	21
Macho	.....	½	Metif	.....	22
Madam	.....	⅔	Metra	.....	23
Madge	.....	¾	Midst	.....	24
Madly	.....	¾	Milky	.....	25
Mahoe	.....	1	Mimic	.....	26
Maize	.....	1¼	Mince	.....	27
Major	.....	1½	Minor	.....	28
Makwa	.....	1¾	Minus	.....	29
Malty	.....	2	Mirth	.....	30
Malwa	.....	2¼	Mitty	.....	31
Mammy	.....	2½	Mizer	.....	32
Manas	.....	2¾	Molar	.....	33
Manch	.....	3	Molly	.....	34
Mango	.....	3¼	Monad	.....	35
Mania	.....	3½	Monte	.....	36
Manse	.....	3¾	Moody	.....	37
Manor	.....	4	Moose	.....	38
Manta	.....	4¼	Mopus	.....	39
Marge	.....	4½	Moral	.....	40
Marsh	.....	4¾	Moria	.....	41
Marum	.....	5	Morse	.....	42
Marry	.....	5¼	Mosca	.....	43
Masha	.....	5½	Mosby	.....	44
Mason	.....	5¾	Mothy	.....	45
Massy	.....	6	Moton	.....	46
Matal	.....	6½	Motto	.....	47
Mates	.....	7	Mound	.....	48
Matsu	.....	7½	Mourn	.....	49
Matte	.....	8	Mouse	.....	50
Maund	.....	8½	Mover	.....	51
Mauve	.....	9	Mucin	.....	52
Mawky	.....	9½	Mucus	.....	53
Maxim	.....	10	Muggy	.....	54
Mazer	.....	11	Mulse	.....	55
Meach	.....	12	Mumps	.....	56
Mealy	.....	13	Mural	.....	57
Medal	.....	14	Murex	.....	58
Media	.....	15	Musad	.....	59
Melee	.....	16	Music	.....	60
Melon	.....	17			

Number.

Nabit	0	Nates	18
Nabob	1	Nauch	19
Nacre	2	Naval	20
Nader	3	Nazir	21
Naggy	4	Nebby	22
Naive	5	Nebel	23
Naked	6	Needy	24
Nakir	7	Neigh	25
Namaz	8	Nerve	26
Namer	9	Newly	27
Nanga	10	Nexal	28
Nanmu	11	Niata	29
Napal	12	Nihill	30
Nappy	13	Nippy	31
Nares	14	Noisy	32
Narre	15	Nomic	33
Nasal	16	Noose	34
Nasus	17	Nopal	35

Quantity.

Paard	1	Pence	325
Pacer	2	Penna	350
Pacha	3	Peony	375
Padat	4	Perch	400
Paddy	5	Perdu	450
Pagan	6	Perge	500
Pages	7	Peril	550
Pagle	8	Pesky	600
Paint	9	Petal	650
Palas	10	Peter	700
Palet	11	Peths.	750
Palla	12	Petit	800
Palms	13	Petty	850
Palpi	14	Pewit	900
Paisy	15	Phase	950
Panee	16	Pheer	1000
Pandy	17	Pheno	1100
Paned	18	Phial	1,200
Pangs	19	Phoca	1,300
Panic	20	Phone	1,400
Pants	21	Photo	1,500
Paper	22	Phren	1,600
Pappy	23	Phyla	1,700
Parch	24	Physy	1,800
Parel	25	Piaga	1,900
Parka	26	Piano	2,000
Parle	27	Picot	2,500
Parry	28	Picra	3,000
Parst	29	Piend	3,500
Party	30	Pillar	4,000
Pasan	31	Piles	4,500
Pasch	32	Pilot	5,000
Pasha	33	Pilum	5,500
Paspy	34	Pimel	6,000
Passé	35	Pinax	6,500
Pasty	36	Pinch	7,000
Patas	37	Piney	7,500
Patén	38	Pinky	8,000
Patio	39	Pinna	8,500
Patly	40	Pinto	9,000
Patte	41	Pipal	9,500
Pause	42	Pipet	10,000
Pavas	43	Pique	1 dozen.
Pavon	44	Pirrol	2 dozen.
Pawed	45	Pirry	3 dozen.
Payer	46	Pisky	4 dozen.
Peach	47	Plaga	5 dozen.
Pearl	48	Plaid	6 dozen.
Pease	49	Plash	7 dozen.
Peaty	50	Plazh	8 dozen.
Pecan	60	Plead	9 dozen.
Pecul	70	Plebs	10 dozen.
Pedal	75	Pleom	11 dozen.
Pedes	80	Pluck	12 dozen.
Pedro	90	Plume	14 dozen.
Pedum	100	Plyer	16 dozen.
Peeps	125	Poach	18 dozen.
Peery	150	Poddy	20 dozen.
Peggy	175	Poise	25 dozen.
Peine	200	Poker	30 dozen.
Pekoe	225	Polar	35 dozen.
Pelts	250	Polly	40 dozen.
Pelma	275	Pombe	45 dozen.
Penal	300	Pongo	50 dozen.

Quantity—Cont'd.

Popit	60 dozen.	Press	250 dozen.
Poppy	70 dozen.	Pride	300 dozen.
Porro	75 dozen.	Prime	350 dozen.
Posca	80 dozen.	Prink	400 dozen.
Posse	90 dozen.	Prior	450 dozen.
Pouch	100 dozen.	Probe	500 dozen.
Prank	150 dozen.	Procm	750 dozen.
Prays	200 dozen.		

Cross-Cut Saws.

Prosy	Pacific Coast pattern cut to ends.
Prune	Silver-Steel.
Psalm	Special Steel.
Puffy	Segment-Ground.

Styles of Tooth.

Rabat	Silver Steel Diamond.
Rabbi	Silver Steel Dexter.
Rabid	Rex, Pennsylvania Pattern.
Racer	Rex, Perforated.
Rache	Perfection.
Radix	Hemlock King.
Rainy	Dexter, 14 x 16 Gauge.
Rally	Dexter, 14 x 18 Gauge.
Rampe	Dexter, 14 x 19 Gauge.
Raspe	Moss Back Lance Tooth not perforated.
Rater	Moss Back Lance Tooth perforated.
Ravel	Moss Back Tuttle Tooth perforated.
Razor	Moss Back Tuttle Tooth not perforated.
React	Victor Lance Tooth perforated.
Reaks	Lance Tooth.
Realm	Diamond, 14 x 16 Gauge.
Rebel	Diamond, 14 x 18 Gauge.
Rebus	Lone Star.
Redan	Tuttle Tooth, 14 x 16 Gauge.
Redif	Tuttle Tooth, 14 x 18 Gauge.
Redly	Tuttle Tooth, 14 x 19 Gauge.
Reefy	Matchless, 14 x 19 Gauge. (Segment Ground.)
Reesk	Matchless, 14 x 18 Gauge.
Reeve	One Man Matchless.
Regal	Hollow Back Matchless.
Reina	American, 14 x 16 Gauge.
Relax	American, 14 x 18 Gauge.
Relét	Common, 14 x 16 Gauge.
Relic	Common, 14 x 18 Gauge.
Renne	Feather Edge, 14 x 18 Gauge.
Repel	Hickory, 14 by 16 Gauge.
Resin	Electric, 14 x 16 Gauge.
Rheic	Electric, 14 x 18 Gauge.
Rhime	Sheffield, 14 x 16 Gauge.
Rhumb	Sheffield, 14 x 18 Gauge.
Riata	Single Hook, 14 x 16 Gauge.
Rifle	Single Hook, 14 x 18 Gauge.
Rimer	Double Hook, 14 x 16 Gauge.
Rinse	Double Hook, 14 x 18 Gauge.
Ripen	Rex, Falling Saw.
Risel	Perfection Tooth "Rex" Falling Saw.
Risky	Hollow Back American.
Risus	Hollow Back Victor.
Rithe	One-Man Cedar King.
Roach	One-Man Tuttle.
Roams	One-Man American.
Robin	One-Man American Skew Back.
Rocky	One-Man Victor.
Rocta	One-Man Diamond.
Roddy	One-Man Saws. Silver-Steel.
Roily	One-Man No. 1 handle.
Roint	One-Man No. 2 handle.
Roker	Occident, (Coast Pattern.)
Rompt	Pacifico, (Coast Pattern.)
Ronin	Worden, (Coast Pattern.)
Roody	Tyee, (Coast Pattern.)
Roost	Dexter, (Coast Pattern.)
Rotor	Clincher, (Coast Pattern.)
Rough	Redwood King, (Coast Pattern.)
Roule	Redwood Falling Saw, (Coast Pattern.)
Roupy	Star of the West, (Coast Pattern.)
Routh	Pacific Star, (Coast Pattern.)
Rowdy	Howatson, (Coast Pattern.)
Rowel	Perfection, (Coast Pattern.)
Rowme	Victor, (Coast Pattern.)
Ruach	Lance Tooth, (Coast Pattern.)
Rubin	Diamond, (Coast Pattern.)

Styles of Tooth—Cont'd.

Ruble Tuttle, (Coast Pattern.)
 Ruche Auckland Pattern, No. 15.
 Ruddy Auckland Pattern, No. 7.
 Rudge Auckland Pattern, No. 8.
 Ruffy Auckland Pattern, No. 9.
 Ruing Auckland Pattern, No. 10.
 Rumal Tasmanian Pattern.
 Rummy Russian Pattern.

Cross-Cut Saw Handles.

Saber No. 1 pattern. Sambo No. 13x pattern.
 Sable No. 2 pattern. Sanat No. 14 pattern.
 Sabot No. 3 pattern. Sandy No. 15 pattern.
 Sacar No. 4 pattern. Sangu No. 16 pattern.
 Saddy No. 5 pattern. Sapor No. 17 pattern.
 Saffo No. 6 pattern. Sargo No. 18 pattern.
 Saiga No. 7 pattern. Sarre No. 19 pattern.
 Sairy No. 8 pattern. Sasin No. 20 pattern.
 Salad No. 9 pattern. Satin No. 21 pattern.
 Salin No. 10 pattern. Sauce No. 22 pattern.
 Salop No. 11 pattern. Savey No. 23 pattern.
 Salse No. 12 pattern. Savor No. 24 pattern.
 Salty No. 13 pattern. Saxon No. 25 pattern.

Cross-Cut and Hand Saw Tools.

Sayon Excelsior No. 1.
 Scala Excelsior No. 2.
 Scalp Perfection.
 Scamp Rex.
 Scant Dexter.
 Scape Diamond.
 Scath Leader.
 Scars Single Raker Guages.
 Scaup Double Raker Guages.
 Scene Improved Criterion Saw Set.
 Scion Criterion Band Saw Set.
 Scoff Hammer for Setting Saws.
 Scrim Channelling Set Block.
 Scrub Lever Saw Set.
 Sculp Raker Swage.
 Scurf Perfect Saw Set.
 Seary Perfect Saw Set and Vise.
 Sebum Wilson Saw Filer.

Hand Saws.

Seely No. 51.
 Segue No. 52.
 Seity No. 53.
 Sendo No. 54.
 Sense No. 55.
 Sepia No. 56.
 Serge No. 57.
 Serin No. 58.
 Serry No. 59.
 Sessa No. 60.
 Setee No. 61.
 Sewer No. 62.
 Shade No. 63.
 Shail No. 64.
 Shaky No. 65.
 Shama No. 66.
 Shand No. 67.
 Shark No. 68.
 Shawl No. 69.
 Shear No. 70.
 Sheek No. 71.
 Shiel No. 72.
 Shift No. 73.
 Shine No. 74.
 Shirl No. 76.
 Shoal No. 83.
 Shock No. 84.
 Shole No. 86.
 Shoot No. 400.
 Showy No. 401.
 Shrew 32-inch Rip Saw.
 Shrub 30-inch Rip Saw.

Hand Saws—Cont'd.

Shurf 28-inch Rip Saw.
 Shute 26-inch Rip Saw.
 Siege 26-inch Hand Saw.
 Silky 28-inch Hand Saw.
 Sinew 30-inch Hand Saw.
 Single 24-inch Panel Saw.
 Sipid 22-inch Panel Saw.
 Siren 20-inch Panel Saw.
 Sirup 18-inch Panel Saw.
 Sissy 16-inch Panel Saw.
 Skein 14-inch Panel Saw.

Points to the Inch.

Skink 1 point to inch.
 Skirt 2 points to inch. (1 tooth to the inch.)
 Slack 3 points to inch. (2 teeth to the inch.)
 Slave 4 points to inch. (3 teeth to the inch.)
 Sleds 5 points to inch. (4 teeth to the inch.)
 Sleep 6 points to inch. (5 teeth to the inch.)
 Slime 7 points to inch. (6 teeth to the inch.)
 Slirt 8 points to inch. (7 teeth to the inch.)
 Slued 9 points to inch. (8 teeth to the inch.)
 Slump 10 points to inch. (9 teeth to the inch.)
 Slush 11 points to inch. (10 teeth to the inch.)
 Sliely 12 points to inch. (11 teeth to the inch.)

Dollars.

Tabby.....	\$1.00	Thole.....	51.00
Tabes.....	2.00	Thyme.....	\$52.00
Taboo.....	3.00	Tibia.....	53.00
Tabut.....	4.00	Tidal.....	54.00
Tache.....	5.00	Tidly.....	55.00
Tacit.....	6.00	Tiler.....	56.00
Tacky.....	7.00	Tinea.....	57.00
Taffy.....	8.00	Tinea.....	58.00
Tagma.....	9.00	Tinge.....	59.00
Taint.....	10.00	Tinty.....	60.00
Talen.....	11.00	Title.....	61.00
Talky.....	12.00	Toast.....	62.00
Talou.....	13.00	Token.....	63.00
Talus.....	14.00	Tonal.....	64.00
Tambo.....	15.00	Tonga.....	65.00
Tamer.....	16.00	Tonic.....	66.00
Tamus.....	17.00	Topia.....	67.00
Tangy.....	18.00	Torus.....	68.00
Tanha.....	19.00	Totry.....	69.00
Tapis.....	20.00	Touch.....	70.00
Tardy.....	21.00	Touch.....	71.00
Taree.....	22.00	Towar.....	72.00
Tarse.....	23.00	Towse.....	73.00
Taste.....	24.00	Towse.....	74.00
Tauga.....	25.00	Toyon.....	75.00
Taunt.....	26.00	Trabs.....	76.00
Tawny.....	27.00	Tract.....	77.00
Taxis.....	28.00	Traik.....	78.00
Tazel.....	29.00	Tramp.....	79.00
Teach.....	30.00	Trash.....	80.00
Teats.....	31.00	Trays.....	81.00
Tease.....	32.00	Tread.....	82.00
Tecum.....	33.00	Treen.....	83.00
Teens.....	34.00	Tribe.....	84.00
Telar.....	35.00	Trick.....	85.00
Telic.....	36.00	Trims.....	86.00
Temse.....	37.00	Trist.....	87.00
Tench.....	38.00	Troll.....	88.00
Tendo.....	39.00	Trout.....	89.00
Tenet.....	40.00	Truss.....	90.00
Tenia.....	41.00	Truth.....	91.00
Tenor.....	42.00	Tuffy.....	92.00
Tense.....	43.00	Tumid.....	93.00
Terin.....	44.00	Turba.....	94.00
Terma.....	45.00	Turty.....	95.00
Terza.....	46.00	Turps.....	96.00
Testa.....	47.00	Tutor.....	97.00
Teyne.....	48.00	Twang.....	98.00
Theak.....	49.00	Twill.....	99.00
Thein.....	50.00	Twine.....	100.00

Atkins Circular Saws

Our long experience and knowledge of general requirements of users of saws in all sections and countries, enable us to make up saws for the trade which will, as a rule, prove entirely satisfactory. The buyer selects from the dealer's stock the diameter and gauge best adapted for his work, and the kind suited to his mill (right or left hand). The two important matters of TEMPER and TENSION are left entirely to the judgment of the maker. The Atkins saws seldom fail to give satisfaction in these respects, but if so, the trouble is FULLY COVERED by our WARRANTY (see page 10).

It is always better, however, to have saws MADE TO ORDER when time will permit, and in many cases it is quite essential. When sending orders please give us ALL information possible. In addition to the specifications noted, give your name, postoffice address, shipping address (if different), and state whether freight or express shipment is desired.

Each saw is carefully tested with regard to temper and tension, and a record of all saws is retained by us, so that we can at any time duplicate a saw of our manufacture.

INSTRUCTIONS FOR ORDERING CIRCULAR SAWS.

In ordering Circular Saws be careful to give following specifications in detail:

- (a) Diameter of saw in inches.
- (b) Right or left hand (see cut below).
- (c) Gauge (thickness) of saw at center and also at rim.
- (d) Number of teeth in saw.
- (e) Style or pattern of tooth (see cut on following page).
- (f) Diameter of mandrel hole; diameter of pin holes; and distance center to center of pin holes.
- (g) Number of revolutions of saw per minute WHILE IN CUT.
- (h) Greatest feed used.
- (i) Kind of timber sawed.
- (j) Spring or swage set.
- (k) For rip or cross-cut work.

All our stock saws forty inches and larger in diameter have STANDARD mandrel and pin holes, namely—two-inch mandrel hole, and five-eighths lug pin holes, three inches from center to center. If wanted different, please send full pattern of holes.

HAND OF CIRCULAR SAWS.



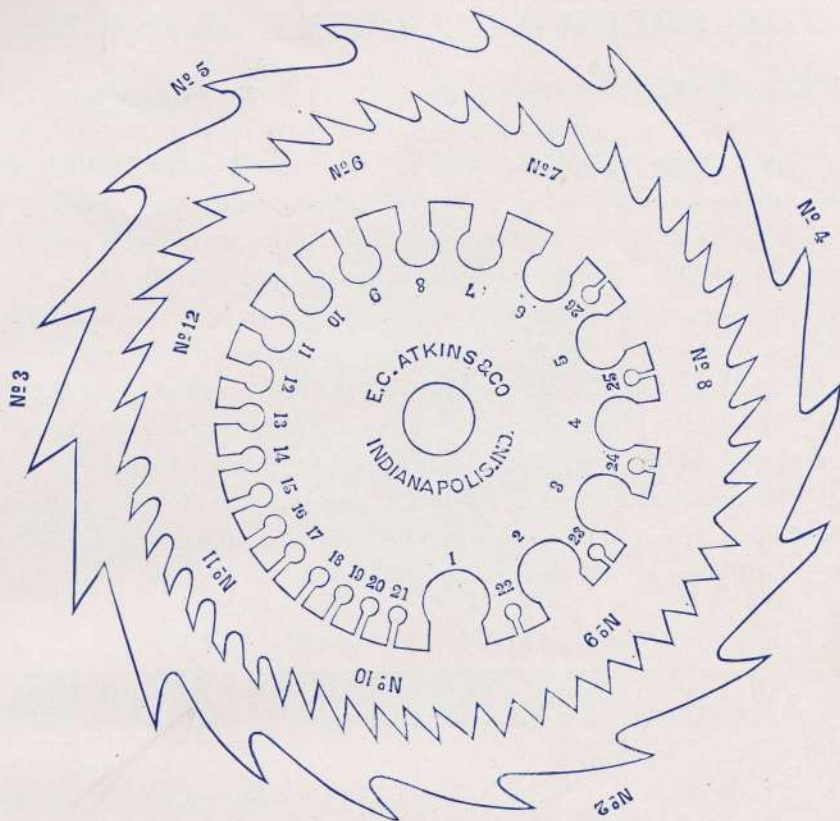
Right Hand.



Left Hand.

Standing in front of a circular saw, with the saw revolving toward you, if the log passes to the right of the saw it is a right-hand saw; if to the left, it is a left-hand saw.

See illustrations on page 30, showing hand of shingle saws.



The above illustration represents our various styles and sizes of Saw Teeth; also our Standard Gauge. By consulting it a person will be enabled to inform us what size and style of tooth and also what thickness is desired.

TABLE OF FRACTIONAL AND DECIMAL EQUIVALENTS TO ATKINS STANDARD GAUGE.

Gauge.	Fractional Equivalent Inch.	Decimal Equivalent Inch.	Gauge.	Fractional Equivalent Inch.	Decimal Equivalent Inch.	Gauge.	Fractional Equivalent Inch.	Decimal Equivalent Inch.
1	$\frac{19}{64}$ full	.300	10	$\frac{9}{64}$ scant	.134	19	$\frac{3}{64}$ scant	.042
2	$\frac{9}{32}$ full	.284	11	$\frac{7}{8}$ scant	.120	20	.....	.035
3	$\frac{17}{64}$ scant	.259	12	$\frac{7}{64}$ scant	.109	21	$\frac{1}{32}$ full	.032
4	$\frac{15}{64}$ full	.238	13	$\frac{3}{32}$ full	.095	22	$\frac{1}{32}$ scant	.028
5	$\frac{7}{32}$ full	.220	14	$\frac{5}{64}$ full	.083	23	.....	.025
6	$\frac{13}{64}$ scant	.203	15	$\frac{5}{64}$ scant	.072	24	.....	.022
7	$\frac{11}{64}$ full	.180	16	$\frac{1}{16}$ full	.065	25	.....	.020
8	$\frac{11}{64}$ scant	.165	17	$\frac{1}{16}$ scant	.058	26	$\frac{1}{64}$ full	.018
9	$\frac{9}{64}$ full	.148	18	$\frac{3}{64}$ full	.049			

Above is Stub's Standard English Gauge, used by saw manufacturers of this country.

THE SPEED OF CIRCULAR SAWS.

This is one of the most essential things to be observed, and no one can give it too much attention. If the speed of the saw is too high, it can not do good work, besides rendering it liable to many accidents. Too high a speed generates heat in the saw, makes it touchy and limber, so that it will only run and do good work on light feed, while the teeth are in the best of order, and have keen cutting points. As soon as the teeth are dull, the saw will run or dodge whenever it comes in contact with any unusual obstacle. Again, too low a speed has its objections, but it is not attended with such ruinous effects upon the saw. These difficulties can be remedied to a limited extent by the hammering of the saw, but cannot be entirely overcome. We keep in stock Speed Indicators, with which the speed of saw mandrel can be ascertained.

We have published a pamphlet entitled "Saws and Saw Tools," containing general information relative to the care and operation of saws, which will be mailed free to any address on application.

TABLE OF SPEED OF CIRCULAR SAWS.

Size of Saw. Inches.	Rev. per Minute. Speed.	Size of Saw. Inches.	Rev. per Minute. Speed.	Size of Saw. Inches.	Rev. Per Minute. Speed.	Size of Saw. Inches.	Rev. per Minute. Speed.
8.....	4,500	26.....	1,384	42.....	870	58.....	625
10.....	3,600	28.....	1,285	44.....	840	60.....	600
12.....	3,000	30.....	1,200	46.....	800	62.....	575
14.....	2,585	32.....	1,120	48.....	750	64.....	550
16.....	2,222	34.....	1,050	50.....	725	66.....	545
18.....	2,000	36.....	1,000	52.....	700	68.....	529
20.....	1,800	38.....	950	54.....	675	70.....	514
22.....	1,625	40.....	900	56.....	650	72.....	500
24.....	1,500						

RULES FOR CALCULATING THE SPEED OF SAWS, PULLEYS OR DRUMS.

PROBLEM 1. The diameter of the driven being given, to find its number of revolutions.

RULE—Multiply the diameter of the driver by its number of revolutions, and divide the product by the diameter of the driven; the quotient will be the number of revolutions of the driven.

PROBLEM 2. The diameter and revolutions of the driver being given, to find the diameter of the driven, that shall make any given number of revolutions in the same time.

RULE—Multiply the diameter of the driver by its number of revolutions, and divide the product by the number of revolutions of the driven; the quotient will be its diameter.

PROBLEM 3. To ascertain the size of the driver.

RULE—Multiply the diameter of the driven by the number of revolutions you wish it to make, and divide the product by the revolutions of the driver; the quotient will be the size of the driver.

Solid Tooth Circular Saws



The introduction of the Circular Saw Mill marked the beginning of an era of lumber production on a large scale. The substitution of the rotary for the reciprocating idea in sawing lumber increased the output of the mill enormously, and at the same time called for a higher order of talent in the sawmaker's art. The Atkins Solid Tooth Circular Saw was a pioneer in this field. A careful study of the requirements, and a genius for providing the necessary facilities to meet them, together with the use of the **VERY BEST MATERIAL** are means by which the Atkins Saws have been a conspicuous factor in the development of the saw milling industry. This policy has been maintained throughout our fifty years of successful business, keeping pace with the growing demands and enabling us to produce saws for the most severe service required in the modern saw mill plants. Our long experience, covering all sections, is in itself a guaranty that we are prepared to meet all the requirements of the trade, and furnish saws which will give entire satisfaction in **ALL KINDS OF TIMBER**; while the large proportions to which our Circular Saw Department has grown attests the favor in which the Atkins Saws are held.

All our Saws are made from our celebrated **SILVER-STEEL**, and tempered by our own patented secret process, which imparts an even temper throughout. Every Saw is fully warranted. List prices on Solid Tooth Circular Saws will be found on the following pages.

SOLID TOOTH CIRCULAR SAWS.

PATENT GROUND AND TEMPERED.

Made from Our Celebrated Silver-Steel. Workmanship Unequaled.

Diameter, Inches.	Thickness Gauge.	Size of Hole, Inches.	List Price Each.	Extra for Each Additional Gauge (Heavier.)	Price for Beveling New Saws, (Grinding or Beveling Old Saws Extra.) Per Gauge.	Setting and Sharpening Cross-Cut Circular Saws.
1	24	3/8	\$ 0 55	\$0 01	\$0 06	\$0 20
1 1/2	24	3/8	60	01	07	22
2	23	3/8	65	01 1/2	08	24
2 1/2	22	3/8	70	02	09	27
3	21	1/2	75	02 1/2	10	30
3 1/2	20	1/2	85	03	12	33
4	19	3/4	1 10	03	14	36
5	19	3/4	1 30	04	16	40
6	18	3/4	1 55	05	18	45
7	18	3/4	1 85	06	20	50
8	18	7/8	2 20	08	22	55
9	17	7/8	2 75	10	25	60
10	16	1	3 30	12	28	65
11	16	1	3 80	14	30	70
12	15	1	4 15	17	35	75
14	15	1 1/4	5 00	21	40	85
16	14	1 1/4	6 00	25	50	95
18	13	1 1/4	7 50	30	60	1 05
20	13	1 1/4	9 00	35	70	1 15
22	12	1 1/4	11 00	45	80	1 30
24	11	1 1/4	13 00	55	90	1 45
26	11	1 1/4	15 00	65	1 05	1 60
28	10	1 3/8	17 00	80	1 20	1 75
30	10	1 3/8	19 00	90	1 30	1 95
32	10	1 1/2	22 00	1 00	1 40	2 15
34	9	1 1/2	25 00	1 20	1 55	2 35
36	9	1 5/8	28 00	1 40	1 70	2 55
38	9	1 5/8	31 00	1 75	1 85	2 75
40	9	2	36 00	2 00	2 00	2 95
42	8	2	42 00	2 50	2 20	3 15
44	8	2	50 00	3 00	2 40	3 35
46	8	2	60 00	3 50	2 60	3 60
48	8	2	70 00	4 00	2 80	3 85
50	7	2	80 00	4 50	3 00	4 10
52	7	2	90 00	5 00	3 25	4 40
54	7	2	100 00	6 00	3 50	4 70
56	7	2	115 00	7 00	3 75	5 00
58	7	2	130 00	8 00	4 05	5 30
60	6	2	145 00	9 00	4 35	5 60
62	6	2	160 00	10 00	4 65	5 90
64	6	2	180 00	12 00	5 00	6 20
66	6	2	200 00	15 00	5 35	6 50
68	5	2	225 00	18 00	5 75	6 80
70	5	2	255 00	21 00	6 15	7 10
72	5	2	290 00	24 00	6 55	7 40
74	5	2	330 00	27 00	7 00	7 70
76	5	2	375 00	30 00	7 50	8 00

See note below.

Setting and Sharpening Rip Saws, two-thirds price of Cross-Cut.

No extra charge for saws one gauge thicker than list.

Saws 38 inches and under beveled one gauge without extra charge.

Saws 40 inches and over beveled two gauges without extra charge.

Saws 48 inches in diameter and larger, thinner than ten gauge, add ten per cent. for each gauge thinner, and no warrant.

Circular Saws for Bone, Ivory or Metal, not hollow ground, advance above list 25 per cent.

NOTE—Saws 40 inches and over are filed and set or swaged ready for use without extra charge.

TOP SAWS FOR DOUBLE MILLS.

GAUGE.	DIAMETER IN INCHES.						
	24	26	28	30	32	34	36
10.....each	\$13 00	\$15 00	\$17 00	\$19 00	\$22 00	\$25 00	\$28 00

RE-SAWING OR SIDING SAWS.

GROUND TAPERING.

Diameter, Inches.	Gauge.	Price, Each.	Diameter Inches.	Gauge.	Price, Each.
16	13 x 17	\$7 50	28	9 x 13	\$20 60
16	12 x 16	7 75	28	9 x 14	21 80
16	11 x 15	8 00	28	8 x 13	22 60
18	12 x 16	9 30	30	9 x 13	22 90
18	11 x 15	9 60	30	9 x 14	24 20
18	12 x 17	9 90	30	8 x 13	25 10
20	12 x 16	11 10	32	9 x 13	26 20
20	11 x 15	11 45	32	9 x 14	27 60
20	12 x 17	11 80	32	8 x 13	28 60
22	11 x 15	13 40	34	9 x 13	29 65
22	10 x 14	13 85	34	8 x 13	31 20
22	11 x 16	14 20	34	8 x 14	32 75
24	10 x 14	15 70	36	8 x 13	34 80
24	9 x 13	16 25	36	8 x 14	36 50
24	10 x 15	16 60	36	7 x 14	39 60
26	10 x 14	18 15	38	8 x 12	36 55
26	9 x 13	18 80	38	8 x 13	38 40
26	10 x 15	19 20	38	7 x 13	42 00

EDGER SAWS.

GAUGE.	DIAMETER IN INCHES.						
	12	14	16	18	20	22	24
12.....each	\$4 50	\$5 45	\$6 25	\$7 50	\$9 00	\$11 00	\$13 00
11....."	4 65	5 65	6 50	7 80	9 35	11 00	13 00
10....."	4 85	5 85	6 75	8 10	9 70	11 45	13 00
9....."	5 00	6 05	7 00	8 40	10 05	11 90	13 55
8....."	5 15	6 25	7 25	8 70	10 40	12 35	14 10

CONCAVE SAWS.



Left Hand.



Right Hand.

The attention of manufacturers of chair or wheelwright lumber, barrels, etc., is respectfully called to Concave Saws, of which we are manufacturing large quantities. They are dished and tempered by an entirely new and patented process, and guaranteed to be of superior quality in every respect.

Inches.	Gauge.	Price, Each.	Extra for Each Additional Gauge.
4	16	\$2 20	\$0 05
6	16	2 20	05
7	15	2 60	06
8	15	3 10	08
9	15	3 60	10
10	14	4 50	13
11	14	5 20	15
12	14	5 90	17
14	13	7 20	21
16	13	9 00	25
18	12	10 75	30
20	12	13 50	35
22	12	16 50	40

All Saws concaved to a smaller circle than 16 inches, extra price.

Extra Sizes Made to Order.

When ordering Concave Saws, give circle to be cut; also, which side is to be dished or concaved, right or left hand, saw running toward you. (See cut.)

SHINGLE SAWS.

FOR EVERY MAKE SHINGLE MACHINE.



TAPERED AND PATENT GROUND.

When Ordering Shingle Saws, Give Following Specifications:

Diameter of saw (in inches). Thickness or gauge at center. Thickness or gauge at rim. Number of teeth. Right or left hand. Speed.

If you wish us to furnish the flange, give maker's name of machine, or send full and correct templet of old flange, giving size and location of holes.

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

SHINGLE AND HEADING SAWS.

SILVER-STEEL, PATENT TAPER GROUND.



Left Hand.



Right Hand.

Inches ..	30	32	34	36	38	40	42	44
Each ...	\$32 00	\$35 00	\$38 00	\$42 00	\$47 00	\$53 00	\$65 00	\$72 00
Inches ..	46	48	50	52	54	56	58	60
Each ...	\$85 00	\$100 00	\$115 00	\$135 00	\$155 00	\$175 00	\$195 00	\$215 00

SHINGLE AND HEADING SAW FLANGES.

New flanges for the Perkins, Challoner or Trevor Machines, fitted to new saws, list price, \$1.40 per inch in diameter.

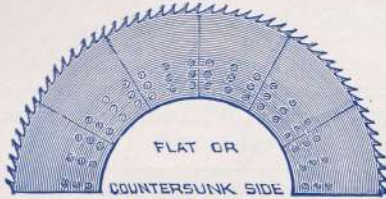
Flanges other than above, special price.

Fitting old flange to new saw, \$2.00 each, net.

If new screws are furnished, price 20 cents per dozen net.

Shingle Saw Bolts 75 cents each, net.

VENEERING SAWS IN SEGMENTS.



Left Hand.



Right Hand.

When ordering Segments give gauge or thickness at butt, gauge or thickness at 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 engraving.)

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 originally were.

Price Per Foot in Diameter of Saw.

Veneer Saws, 19 gauge and thinner.		Re-Saws, 18 gauge and thicker.	
12 inches deep, 5 gauge	\$22 40	12 inches deep, 5 gauge	\$18 95
12 " " 6 "	21 40	12 " " 6 "	18 10
12 " " 7 "	20 40	12 " " 7 "	17 25
12 " " 8 "	19 10	12 " " 8 "	16 15
12 " " 9 "	18 45	12 " " 9 "	15 60
12 " " 10 "	17 80	12 " " 10 "	15 00

Add 5 per cent. for each additional inch in depth.

Deduct 5 per cent. for each inch under 12 inches in depth.

Rates for Repairing Segment Saws.

Per foot in diameter.		Per foot in diameter.	
Grinding first and second gauge	\$2 50	Gumming	80
Grinding each additional gauge	56	Re-toothing and Hammering	2 20
Hammering	95		

COLLARS FOR SEGMENT VENEER AND RE-SAWS.

Net Price for Segment Re-Saw Collar Complete.

Consisting of cast iron flange and steel rim collar fitted to segments; including screws and coppers.

Diam. Collars, Inches.	Net Prices Fitted.	Diam. Collars, Inches.	Net Prices Fitted.	Diam. Collars, Inches.	Net Prices Fitted.	Diam. Collars, Inches.	Net Prices Fitted.
14	\$17 50	20	\$25 00	26	\$36 00	32	\$52 00
16	20 00	22	28 00	28	40 00	34	60 00
18	22 50	24	32 00	30	45 00		

Net Prices for Fitting Segments to Old Collars.

Including screws and coppers.

Diam. Collars, Inches.	Net Prices.	Diam. Collars, Inches.	Net Prices.	Diam. Collars, Inches.	Net Prices.	Diam. Collars, Inches.	Net Prices.
14	\$5 00	20	\$8 00	26	\$11 00	32	\$14 00
16	6 00	22	9 00	28	12 00	34	15 00
18	7 00	24	10 00	30	13 00		

Veneer Saw Flanges two-thirds of above prices.

When new collars of any special style different from our standard patterns are required, we charge for the pattern at actual cost; this will average from \$1.50 to \$2.50 according to the size.

Extra coppers 75 cents per dozen. Extra screws 20 cents per dozen.

CIRCULAR MITRE SAWS.

HOLLOW GROUND.



Mitre Saw.



Mitre Saw With Cleaner Teeth.

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 center hole, also diameter of collars or mandrel.

Size, Inches.	Gauge at Hole.	Gauge at Teeth.	Extra for Each Gauge Heavier than List.	Extra for Each Additional Gauge. Beveling.	Price Each.
4	21	18	\$0 05	\$0 14	\$2 50
5	20	17	06	16	3 00
6	20	17	08	18	3 50
7	19	16	09	20	4 25
8	19	16	12	22	4 75
9	18	15	15	25	5 50
10	18	15	18	28	6 00
11	17	14	21	30	6 50
12	17	14	25	35	7 00
14	16	13	32	40	7 75
16	16	13	38	50	8 75
18	15	12	45	60	10 25
20	15	12	53	70	12 25
22	14	11	68	80	15 00
24	14	11	83	90	18 00

CIRCULAR MITRE SAW WITH CLEANER TOOTH.

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

USE MITRE SAW LIST AS ABOVE.

GROOVING SAWS.

Diameter, Inches.	THICKNESS.						
	1/8 in.	3/16 in.	1/4 in.	5/16 in.	3/8 in.	7/16 in.	1/2 in.
4	\$1 20	\$1 40	\$1 60	\$2 50	\$3 50	\$4 50	\$5 50
5	1 55	1 75	2 10	3 00	4 00	5 00	6 00
6	1 90	2 20	2 70	3 50	4 50	5 50	6 50
7	2 30	2 70	3 30	4 00	5 00	6 00	7 00
8	2 70	3 20	3 90	4 75	5 75	6 75	7 75
9	3 30	3 75	4 50	5 25	6 25	7 25	8 25
10	3 90	4 50	5 10	6 00	7 00	8 00	9 00
11	4 50	5 10	5 70	6 50	7 50	8 50	9 50
12	5 10	5 70	6 25	7 50	8 50	9 50	10 50
14	6 00	7 00	8 00	9 00	10 50	12 00	13 50
16	7 00	8 00	9 00	10 00	12 00	14 00	16 00
Space Teeth	1/2 in.	1 in.	1 in.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.



Saws with less space or special teeth, extra price. Special Groovers to order, special prices. Bevel Groover Saws, add 25 per cent. to list.

THE McLEAN & McKAM PATENT CIRCULAR SAW.

UNEQUALLED FOR SMOOTH SAWING.



The demand for a saw that would cut a sufficiently smooth joint or edge to avoid the necessity of planing has been satisfactorily met in the new McLean & McKam Patent Tooth Circular Saw. It does equally good work in cross-cutting, ripping or mitreing.

This style of saw is very desirable for use in planing mills, furniture, moulding and picture frame factories and pattern shops, as the character of the work done by it is so smooth that a glue joint can be made direct from the saw. A trial is convincing proof.

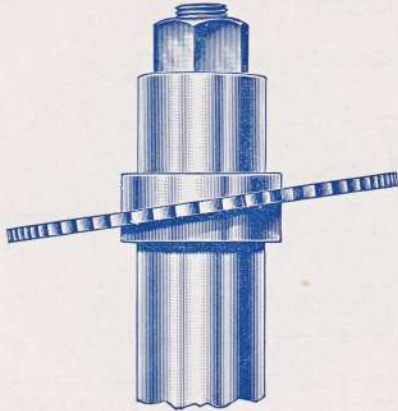
INSTRUCTIONS FOR ORDERING.

Saws to be used exclusively for ripping or for cross-cutting should be so specified. If saws are to be used as general purpose saws both for ripping and cross-cutting, specify in ordering. For smooth work, order hollow ground saws, and specify size of collars. Saws 12 inches to 18 inches will be made hollow ground unless otherwise ordered. Saws 20 inches and over will be made straight ground and set unless otherwise ordered.

In filing these saws, file only the top of the tooth, and be careful to file the same clearance as in the saw when new. Hollow ground saws of this type are designed to run without set. Straight ground saws require much less set than ordinary saws; the set should be sprung in the tooth at least half way down the tooth, and care should be used in setting not to twist the tooth out of the plane of the saw plate.

Size, Inches.	Gauge.	No. Teeth.	Extra for Each Gauge Heavier than List.	Extra for Additional Gauge Beveling.	List Hollow Ground.	List Set Tooth.
12	12 x 15	48	\$0 25	\$0 35	\$6 00	\$5 05
14	12 x 15	58	32	40	7 25	6 30
16	12 x 15	64	38	50	8 50	7 80
18	11 x 14	76	45	60	10 00	9 80
20	10 x 14	84	53	70	12 50	11 85
22	10 x 14	92	68	80	15 00	14 45
24	10 x 14	100	83	90	18 00	17 00
26	9 x 12	108	1 00	1 05	21 00	19 60
28	9 x 12	116	1 25	1 20	24 50	22 20
30	9 x 12	116	1 50	1 30	28 00	24 75
32	8 x 11	124	1 75	1 40	31 50	28 40
34	7 x 10	130	2 00	1 55	35 50	32 15
36	7 x 10	140	2 25	1 70	39 50	35 80
38	7 x 10	150	2 50	1 85	43 00	39 50
40	7 x 10	146	2 75	2 00	50 00	45 40
42	7 x 10	150	3 00	2 20	57 50	52 45
44	7 x 10	160	3 25	2 40	67 50	61 70
46	7 x 10	160	3 50	2 60	81 00	73 15
48	6 x 9	182	4 50	2 80	100 00	84 60
50	6 x 9	172	5 00	3 00	108 00	96 10

WABBLE SAWS.



List Price, Complete.

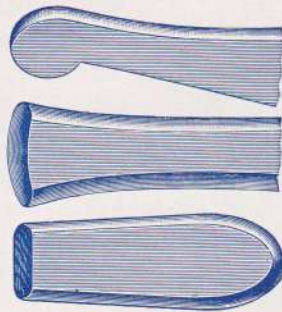
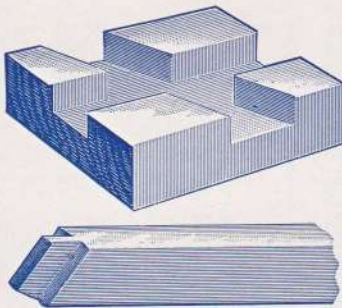
¼ Inch Thick.

5 Inches.....	\$15 00
6 "	16 00
7 "	17 00
8 "	18 00
9 "	19 00
10 "	20 00

List Price, Saws Only.

¼ Inch Thick.

5 Inches.....	\$5 00
6 "	6 00
7 "	7 00
8 "	8 00
9 "	9 00
10 "	10 00



The above illustrations are a few samples of the great range of work that can be done with the Wabble Saw.

CIRCULAR SAWS FOR CUTTING METAL.

Milling Saws Suitable for Newton and Other Makes of Machines.



Diam., Inches.	Gauge.	Size of Hole.	Price, Each.	Extra for Each Addit'l Gauge. (Heavier.)	Diam., Inches.	Gauge.	Size of Hole.	Price, Each.	Extra for Each Addit'l Gauge. (Heavier.)
2	22 x 20	1/2	\$1 00	\$0 02	28	8 x 5	2 1/2	\$31 50	\$1 00
3	22 x 20	1/2	1 30	03	30	8 x 5	2 1/2	35 00	1 12
4	21 x 19	3/4	1 50	04	32	7 x 4	2 1/2	40 00	1 25
5	20 x 18	3/4	1 80	05	34	6 x 3	2 1/2	48 50	1 75
6	19 x 17	1	2 30	06	36	6 x 3	2 1/2	54 00	2 25
7	18 x 16	1	3 00	08	38	5 x 2	2 1/2	78 00	4 00
8	18 x 16	1	4 00	10	40	5 x 2	2 1/2	90 00	5 50
9	17 x 15	1	5 00	12	42	1/4 x 5/16	3	100 00	7 00
10	16 x 14	1 1/4	6 25	15	44	1/4 x 5/16	3	110 00	9 00
12	16 x 13	1 1/4	7 75	21	46	1/4 x 5/16	3	120 00	11 00
14	14 x 11	1 1/2	9 00	26	48	1/4 x 5/16	3	135 00	13 00
16	13 x 10	1 1/2	11 00	31	50	5/16 x 3/8	3	155 00	15 50
18	12 x 9	1 3/4	13 50	38	52	5/16 x 3/8	3	175 00	18 00
20	11 x 8	1 3/4	16 75	45	54	5/16 x 3/8	3	195 00	20 00
22	10 x 7	2	19 50	55	56	5/16 x 3/8	3	220 00	22 00
24	9 x 6	2	23 50	70	58	3/8 x 7/16	3	245 00	25 00
26	9 x 6	2 1/2	28 00	80	60	3/8 x 7/16	3	275 00	28 00

Milling Saws made over at two-thirds price of new saws.

Milling Saws over 60 inches, and up to 80 inches, diameter, made at special prices.

Circular Saws or Discs, for Cutting Hot or Cold Iron.

Diam., Inches.	Thickness, Gauge.	Price, Each.	Diam., Inches.	Thickness, Gauge.	Price, Each.	Diam., Inches.	Thickness, Gauge.	Price, Each.
14	10	\$4 00	28	6	\$13 50	40	3	\$29 50
16	10	5 00	30	6	15 50	42	3	35 00
18	8	6 50	32	6	17 00	44	3	41 00
20	8	7 50	34	5	18 50	46	3	50 00
22	7	9 00	36	5	20 50	48	3	60 00
24	7	10 50	38	4	24 00	50	3	70 00
26	7	12 00						

SPECIAL MILLING SAWS FOR BRYANT MACHINE.



Diam., Inches.	Gauge.	Size Hole.	No. Teeth.	Price, Each.
16	9 x 7	$\frac{7}{8}$	31	\$12 00
20½	6 x 3	1¼	38	20 40
25	6 x 3	1¼	46	27 85
30	5 x 2	1¼	40	38 40
36	5 x 2	2	67	56 25

SPECIAL MILLING SAWS FOR HIGLEY MACHINE.

Diam., Inches.	Thickness, Inches.	Hole, Inches.	List.
12½	$\frac{3}{8}$	1¼	\$9 00
13½	$\frac{1}{8}$	1¼	9 00
13½	$\frac{5}{8}$	1¼	9 75
18	$\frac{3}{4}$	1¼	14 25
20	$\frac{3}{8}$	1¼	17 65
26	$\frac{1}{2}$	1½	28 00
28	$\frac{1}{2}$	1½	31 50
30	$\frac{1}{2}$	1½	35 00
31	$\frac{1}{4}$	1½	41 25
36	$\frac{1}{2}$	1½	60 75
40	$\frac{1}{2}$	1½	100 00



LATHE SAWS.

Diam., Inches.	Gauge.	Price, Each.	Extra for Each Additional Gauge. (Heavier.)	Diam., Inches.	Gauge.	Price, Each.	Extra for Each Additional Gauge. (Heavier.)
6	9	\$2 00	\$0 12	12	6	\$3 60	\$0 20
7	9	2 25	12	13	6	4 00	25
8	9	2 50	15	14	6	4 50	25
9	8	2 75	15	15	5	5 00	30
10	7	3 00	20	16	5	5 60	30
11	7	3 30	20				

CIRCULAR KNIVES.

FOR CUTTING CORK, LEATHER, PAPER, CLOTH, Etc.

In ordering please give the following specifications:

- | | |
|------------------|----------------------|
| 1. Diameter. | 4. Width of Bevel. |
| 2. Gauge. | 5. Beveled on one or |
| 3. Size of Hole. | both sides. |

NOTE—We allow two gauges heavier than listed without extra charge. Add 5 per cent. for each additional gauge.

We make special cutters for all purposes. Prices quoted on application.



Price List.

Diameter....	4	5	6	7	8	9	10	12	14
Gauge.....	14	14	14	14	14	14	14	12	11
List Price...	\$1 40	\$1 75	\$2 10	\$2 45	\$2 80	\$3 15	\$3 50	\$4 80	\$6 30
Diameter....	16	18	20	22	24	26	28	30	32
Gauge.....	10	9	9	8	8	7	7	6	6
List Price...	\$8 00	\$9 90	\$12 00	\$14 30	\$16 80	\$19 50	\$22 40	\$25 50	\$30 40

LOCK CORNER BOX CUTTERS.

Prices quoted on application.



CIRCULAR SAWS FOR SLATE.

Diameter, Inches.	Gauge.	Price, Each.	Extra for Each Gauge Heavier.	Diameter, Inches.	Gauge.	Price, Each.	Extra for Each Gauge Heavier.
14	10	\$4 25	\$0 14	34	5	\$19 50	\$0 80
16	10	5 25	17	36	4	22 50	93
18	9	6 75	20	38	4	25 50	1 17
20	8	7 75	23	38	$\frac{3}{8}$ "	30 00	1 33
22	7	9 50	30	40	4	30 00	1 33
24	6	11 00	37	42	4	35 00	....
26	6	12 50	43	44	4	40 00	....
28	5	14 25	53	46	4	50 00	....
30	5	16 00	60	48	4	60 00	....
32	5	17 75	67	50	4	70 00	....

No extra charge for saws two gauges heavier than above list.

ATKINS

CELEBRATED



INSERTED TOOTH

CIRCULAR SAWS

Patent Chisel Bit Saws

In this department the claims made for our Solid Tooth Saws apply as well. The SAME KIND OF STEEL is used for the plate, NOT a cheaper material on the theory that it does not require a cutting edge. The saws are TEMPERED IN THE SAME MANNER, and as carefully tested to guard against flaws or defects of any kind.

The bits are made from a SPECIALLY SELECTED STEEL manufactured expressly for our use and containing in the highest degree the qualities required in a saw tooth, namely: An exceedingly HARD, but TOUGH, temper, capable of holding a cutting point for a long time, thus producing the largest possible output of lumber per set. In this respect the Atkins bits have a remarkable record. The SHAPE of the bit is another point of superiority. Particular attention has been given to the best form of forging and grinding to give the greatest amount of wear with the best clearance and yet preserve the swage until the bit is worn out.

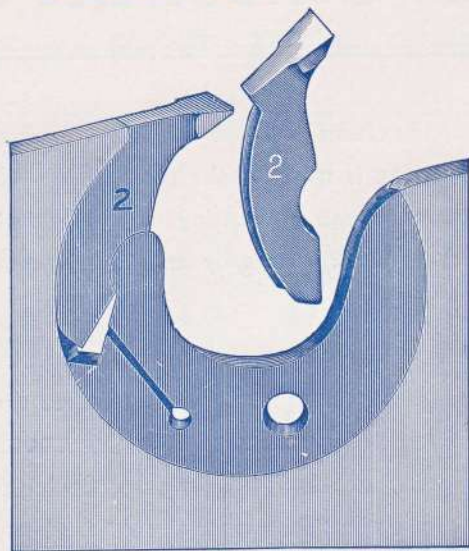
The HOLDERS are made from another kind of steel, also selected for the specific work required, namely: A strong spring, not easily broken, and yet hard enough to stand the wear. They are also shaped to give the maximum amount of wear, and keep the dust from crowding between the blade and the timber.

Our styles of teeth and holders are adapted to the needs of all sections. While we illustrate those which we deem the best and most in demand, we manufacture several other patterns, including those most largely used besides the styles shown.

N. B.—We manufacture, or will procure, extra teeth for all makes of saws. In ordering give number (indicating style) and gauge; or send sample. Send for circular showing styles of teeth manufactured by us. Solid Tooth Saws and Inserted Tooth Saws of any kind made over into our IMPROVED PATTERNS at reasonable prices.

INSERTED TOOTH SAWS.

CHISEL TOOTH No. 2.



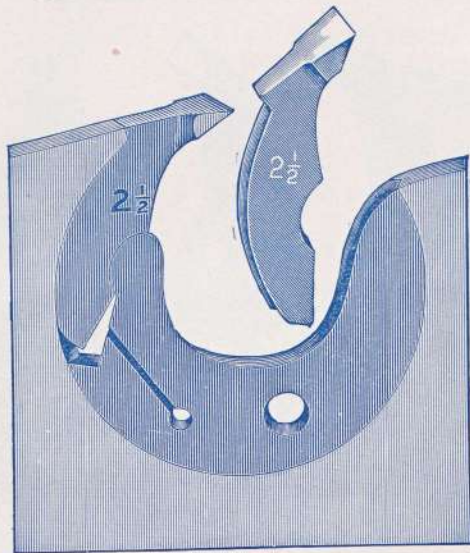
Full size of No. 2 Tooth. Best Tooth for Edger and Bolter Saws.

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Additional Teeth Furnished Without Extra Charge, if Desired.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, Per Gauge.
12	11	10	.....	1	\$18 00	\$0 17	\$0 35
14	11	12	.....	1 1/8	21 00	21	40
16	11	14	.....	1 1/4	24 00	25	50
18	11	16	.....	1 1/2	27 00	30	60
20	11	18	.....	1 5/8	31 00	35	70
22	11	20	.....	1 7/8	35 00	45	80
24	11	22	.....	2	39 00	55	90
26	10	24	.....	1 3/8	43 00	65	1 05
28	10	24	.....	1 3/4	47 00	80	1 20
30	10	24	.....	1 7/8	52 00	90	1 30
32	9	26	4	1 3/4	57 00	1 00	1 40
34	9	26	4	1 3/8	62 00	1 20	1 55
36	8	28	4	1 3/8	68 00	1 40	1 70
38	8	28	4	1 3/8	73 00	1 75	1 85
40	8	30	4	2	80 00	2 00	2 00
42	8	32	4	2	86 00	2 50	2 20
44	7	36	.....	2	95 00	3 00	2 40
46	7	36	.....	2	103 00	3 50	2 60
48	7	40	.....	2	113 00	4 00	2 80
50	7	40	.....	2	127 00	4 50	3 00
52	6	44	.....	2	148 00	5 00	3 25
54	6	44	.....	2	165 00	6 00	3 50
56	6	48	.....	2	190 00	7 00	3 75
58	6	48	.....	2	210 00	8 00	4 05
60	5	52	.....	2	230 00	9 00	4 35
62	5	52	.....	2	250 00	10 00	4 65
64	5	56	.....	2	275 00	12 00	5 00
66	5	56	.....	2	300 00	15 00	5 35
68	5	.....	.....	2	325 00	18 00	5 75
70	4	.....	.....	2	355 00	21 00	6 15
72	4	.....	.....	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth. For each additional tooth add \$1.50. Duplicate No. 2 holders, 40 cents each. Duplicate No. 2 points, \$4.80 per hundred. Wrenches, \$1.00 each. Standard number of teeth will always be sent unless otherwise ordered.

INSERTED TOOTH SAWS.

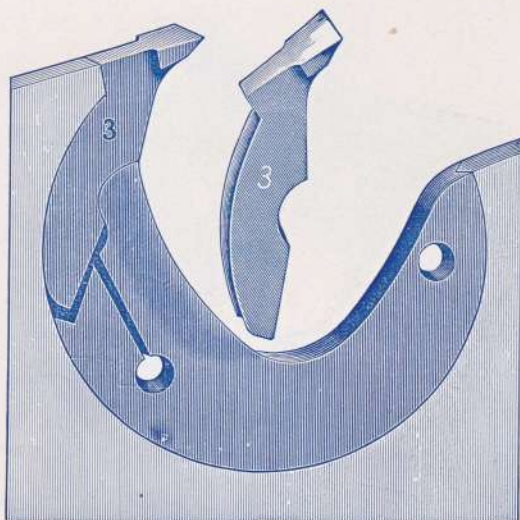
CHISEL TOOTH No. 2½.



This Cut shows full size of No. 2½ Tooth.

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, Per Gauge.
12	11	12	1	\$21 00	\$0 17	\$0 35
14	11	14	1¼	25 00	21	40
16	11	16	1½	29 00	25	50
18	11	18	1¾	33 00	30	60
20	10	20	1¾	37 00	35	70
22	10	22	1¾	41 00	45	80
24	10	24	1¾	45 00	55	90
26	9	26	1¾	50 00	65	1 05
28	9	28	1½	55 00	80	1 20
30	9	30	1½	61 00	90	1 30
32	8	32	1½	68 00	1 00	1 40
34	8	36	1½	76 00	1 20	1 55
36	8	38	1½	84 00	1 40	1 70
38	8	40	1½	92 00	1 75	1 85
40	7	42	2	100 00	2 00	2 00
42	7	44	2	108 00	2 50	2 20
44	7	46	2	117 00	3 00	2 40
46	7	48	2	128 00	3 50	2 60
48	7	50	2	140 00	4 00	2 80
50	6	52	2	152 00	4 50	3 00
52	6	56	2	165 00	5 00	3 25
54	6	58	2	184 00	6 00	3 50
56	6	60	2	207 00	7 00	3 75
58	5	62	2	231 00	8 00	4 05
60	5	64	2	257 00	9 00	4 35
62	5	66	2	283 00	10 00	4 65
64	5	68	2	309 00	12 00	5 00
66	4	72	2	336 00	15 00	5 35
68	4	76	2	379 00	18 00	5 75
70	4	78	2	422 00	21 00	6 15
72	4	80	2	465 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.
 For each additional tooth inserted add \$1.50 each. Duplicate No. 2½ holders, 40 cents each. Duplicate No. 2½ points, \$4.80 per hundred. Wrenches, \$1.00 each.

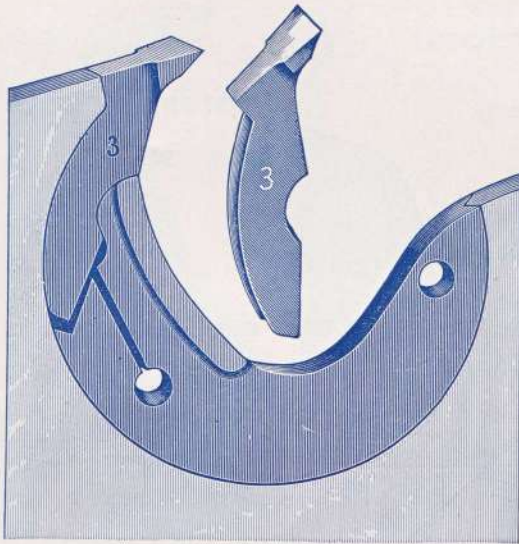
INSERTED TOOTH SAWS.**CHISEL TOOTH No. 3.****Full size of No. 3 Tooth. The Best Tooth for Hard Wood.**

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, Per Gauge.
12	11	10	1	\$18 00		\$0 35
14	11	10	1 $\frac{1}{8}$	21 00	\$0 21	40
16	11	12	1 $\frac{1}{8}$	24 00	25	50
18	11	14	1 $\frac{1}{2}$	27 00	30	60
20	11	14	1 $\frac{1}{8}$	31 00	35	70
22	11	16	1 $\frac{1}{8}$	35 00	45	80
24	11	18	1 $\frac{3}{8}$	39 00	55	90
26	10	18	1 $\frac{3}{8}$	43 00	65	1 05
28	10	20	1 $\frac{1}{2}$	47 00	80	1 20
30	10	20	1 $\frac{1}{2}$	52 00	90	1 30
32	9	22	1 $\frac{5}{8}$	57 00	1 00	1 40
34	9	22	1 $\frac{5}{8}$	62 00	1 20	1 55
36	8	24	1 $\frac{5}{8}$	68 00	1 40	1 70
38	8	24	1 $\frac{5}{8}$	73 00	1 75	1 85
40	8	26	2	80 00	2 00	2 00
42	8	28	2	86 00	2 50	2 20
44	7	30	2	95 00	3 00	2 40
46	7	30	2	103 00	3 50	2 60
48	7	32	2	113 00	4 00	2 80
50	7	34	2	127 00	4 50	3 00
52	6	36	2	148 00	5 00	3 25
54	6	38	2	165 00	6 00	3 50
56	6	40	2	190 00	7 00	3 75
58	6	42	2	210 00	8 00	4 05
60	5	42	2	230 00	9 00	4 35
62	5	44	2	250 00	10 00	4 65
64	5	44	2	275 00	12 00	5 00
66	5	48	2	300 00	15 00	5 35
68	5	48	2	325 00	18 00	5 75
70	4	52	2	355 00	21 00	6 15
72	4	52	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.

For each additional tooth inserted add \$1.50 each. Duplicate No. 3 holders, 40 cents each. Duplicate No. 3 points, \$4.80 per hundred. Wrenches, \$1.00 each.

INSERTED TOOTH SAWS.



**CHISEL TOOTH No. 3
 SHORT HOLDER
 PATTERN.**

**This Cut shows
 exact size
 of No. 3
 Short
 Holder
 Pattern.**

Unequaled for high speed, heavy feed mills, where a large number of teeth and plenty of gullet room are required.

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, Per Gauge.
12	11	10	1	\$18 00	\$0 17	\$0 35
14	11	10	1 1/8	21 00	21	40
16	11	12	1 1/8	24 00	25	50
18	11	14	1 1/4	27 00	30	60
20	11	14	1 1/2	31 00	35	70
22	11	16	1 1/2	35 00	45	80
24	11	18	1 3/8	39 00	55	90
26	10	18	1 3/8	43 00	65	1 05
28	10	20	1 1/2	47 00	80	1 20
30	10	20	1 1/2	52 00	90	1 30
32	9	22	1 3/8	57 00	1 00	1 40
34	9	22	1 3/8	62 00	1 20	1 55
36	8	24	1 5/8	68 00	1 40	1 70
38	8	24	1 5/8	73 00	1 75	1 85
40	8	26	2	80 00	2 00	2 00
42	8	28	2	86 00	2 50	2 20
44	7	30	2	95 00	3 00	2 40
46	7	30	2	103 00	3 50	2 60
48	7	32	2	113 00	4 00	2 80
50	7	34	2	127 00	4 50	3 00
52	6	36	2	148 00	5 00	3 25
54	6	38	2	165 00	6 00	3 50
56	6	40	2	190 00	7 00	3 75
58	6	42	2	210 00	8 00	4 05
60	5	42	2	230 00	9 00	4 35
62	5	44	2	250 00	10 00	4 65
64	5	44	2	275 00	12 00	5 00
66	5	48	2	300 00	15 00	5 35
68	5	48	2	325 00	18 00	5 75
70	4	52	2	355 00	21 00	6 15
72	4	52	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.

For each additional tooth inserted add \$1.50. Duplicate No. 3 holders, 40 cents each. Duplicate No. 3 points, \$4.80 per hundred. Wrenches, \$1.00 each.

INSERTED TOOTH SAWS.



CHISEL TOOTH

No. 4.

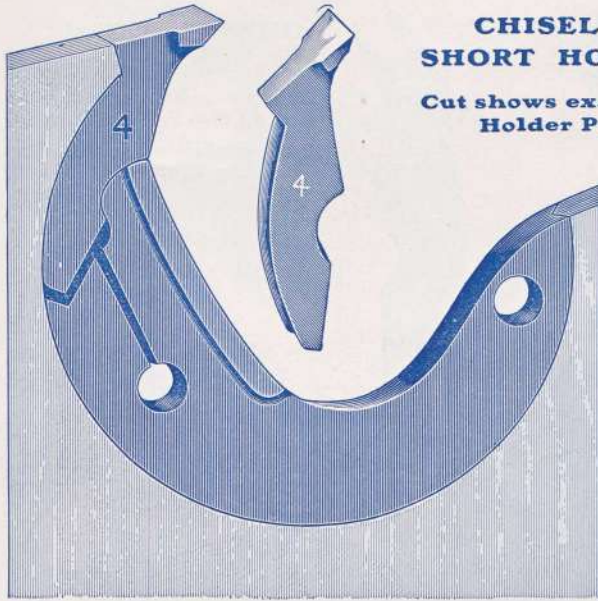
Full size of No. 4
Tooth.

**Best Tooth for
Frozen Timber.**

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Additional Teeth Furnished Without Extra Charge, if Desired.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, Per Gauge.
12	11	.....	.....	1	\$18 00	\$0 17	\$0 35
14	11	.....	.....	1 1/8	21 00	21	40
16	11	.....	.....	1 1/8	24 00	25	50
18	11	.....	.....	1 1/4	27 00	30	60
20	11	12	.....	1 1/4	31 00	35	70
22	11	12	.....	1 1/8	35 00	45	80
24	11	14	.....	1 3/8	39 00	55	90
26	10	14	.....	1 1/2	43 00	65	1 05
28	10	16	.....	1 1/2	47 00	80	1 20
30	10	16	.....	1 1/2	52 00	90	1 30
32	9	18	.....	1 3/8	57 00	1 00	1 40
34	9	20	.....	1 3/8	62 00	1 20	1 55
36	8	22	.....	1 3/8	68 00	1 40	1 70
38	8	22	.....	1 3/8	73 00	1 75	1 85
40	8	24	.....	2	80 00	2 00	2 00
42	8	26	.....	2	86 00	2 50	2 20
44	7	26	.....	2	95 00	3 00	2 40
46	7	28	.....	2	103 00	3 50	2 60
48	7	28	.....	2	113 00	4 00	2 80
50	7	30	.....	2	127 00	4 50	3 00
52	6	30	.....	2	148 00	5 00	3 25
54	6	32	.....	2	165 00	6 00	3 50
56	6	34	.....	2	190 00	7 00	3 75
58	6	34	.....	2	210 00	8 00	4 05
60	5	36	.....	2	230 00	9 00	4 35
62	5	36	.....	2	250 00	10 00	4 65
64	5	38	.....	2	275 00	12 00	5 00
66	5	40	.....	2	300 00	15 00	5 35
68	5	40	.....	2	325 00	18 00	5 75
70	4	42	.....	2	355 00	21 00	6 15
72	4	42	.....	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.
 For each additional tooth inserted add \$1.50. Duplicate No. 4 holders, 50 cents each.
 Duplicate No. 4 points, \$5.60 per hundred. Wrenches, \$1.00 each.
 Standard number of teeth will always be sent unless otherwise ordered.

INSERTED TOOTH SAWS.



CHISEL TOOTH No. 4 SHORT HOLDER PATTERN.

Cut shows exact size of No. 4 Short Holder Pattern, Chisel Bit.

The Short Holder Patterns are unequalled for high speed, heavy feed mills, where a large number of teeth and plenty of gullet room are required.

We can furnish the same (Short Holder) pattern in any of the other sizes of Chisel Bit Saws, Nos. 5, 4, 3, 2½, 2.

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Additional Teeth Furnished Without Extra Charge, if Desired.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Standard.	Price for Beveling New Saws, per Gauge.
12	11	.....	.....	1	\$18 00	\$0 17	\$0 35
14	11	.....	.....	1½	21 00	21	40
16	11	.....	.....	1½	24 00	25	50
18	11	.....	.....	1¾	27 00	30	60
20	11	12	.....	1¾	31 00	35	70
22	11	12	.....	1¾	35 00	45	80
24	11	14	.....	1¾	39 00	55	90
26	10	14	.....	1¾	43 00	65	1 05
28	10	16	.....	1¾	47 00	80	1 20
30	10	16	.....	1¾	52 00	90	1 30
32	9	18	.....	1¾	57 00	1 00	1 40
34	9	20	.....	1¾	62 00	1 20	1 55
36	8	22	.....	1¾	68 00	1 40	1 70
38	8	22	.....	1¾	73 00	1 75	1 85
40	8	24	.....	2	80 00	2 00	2 00
42	8	26	.....	2	86 00	2 50	2 20
44	7	26	.....	2	95 00	3 00	2 40
46	7	28	.....	2	103 00	3 50	2 60
48	7	28	2	2	113 00	4 00	2 80
50	7	30	2	2	127 00	4 50	3 00
52	6	30	4	2	148 00	5 00	3 25
54	6	32	4	2	165 00	6 00	3 50
56	6	34	4	2	190 00	7 00	3 75
58	6	34	4	2	210 00	8 00	4 05
60	5	36	4	2	230 00	9 00	4 35
62	5	36	4	2	250 00	10 00	4 65
64	5	38	4	2	275 00	12 00	5 00
66	5	40	4	2	300 00	15 00	5 35
68	5	40	4	2	325 00	18 00	5 75
70	4	42	6	2	355 00	21 00	6 15
72	4	42	6	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.
 For each additional tooth inserted add \$1.50. Duplicate No. 4 holders, 50 cents each.
 Duplicate No. 4 points, \$5.60 per hundred. Wrenches, \$1.00 each.
 Standard number of teeth will always be sent unless otherwise ordered.

INSERTED TOOTH SAWS.



**CHISEL TOOTH
No. 5.**

This cut shows full size of No. 5 Tooth.

Especially adapted for use on Pacific Coast.

SHORT HOLDER PATTERN.

Diameter, Inches.	Thickness, Gauge.	Standard Number of Teeth.	Size of Hole, Inches.	Price, Each.	Extra for Each Additional Gauge Heavier than Stand.	Price for Beveling New Saws, per Gauge.
12	11	.....	1	\$18 00	\$0 17	\$0 35
14	11	.....	1 1/8	21 00	21	40
16	11	.....	1 1/4	24 00	25	50
18	11	.....	1 1/2	27 00	30	60
20	11	.....	1 3/4	31 00	35	70
22	11	10	1 7/8	35 00	45	80
24	11	12	2	39 00	55	90
26	10	12	1 3/8	43 00	65	1 05
28	10	14	1 1/2	47 00	80	1 20
30	10	14	1 5/8	52 00	90	1 30
32	9	16	1 5/8	57 00	1 00	1 40
34	9	18	1 3/4	62 00	1 20	1 55
36	8	20	1 3/4	68 00	1 40	1 70
38	8	20	1 5/8	73 00	1 75	1 85
40	8	22	2	80 00	2 00	2 00
42	8	24	2	86 00	2 50	2 20
44	7	24	2	95 00	3 00	2 40
46	7	26	2	103 00	3 50	2 60
48	7	28	2	113 00	4 00	2 80
50	7	30	2	127 00	4 50	3 00
52	6	30	2	148 00	5 00	3 25
54	6	32	2	165 00	6 00	3 50
56	6	32	2	190 00	7 00	3 75
58	6	34	2	210 00	8 00	4 05
60	5	34	2	230 00	9 00	4 35
62	5	36	2	250 00	10 00	4 65
64	5	36	2	275 00	12 00	5 00
66	5	40	2	300 00	15 00	5 35
68	5	40	2	325 00	18 00	5 75
70	4	44	2	355 00	21 00	6 15
72	4	44	2	390 00	24 00	6 55

Ten extra sets of points given with each saw, whether new or altered from a solid tooth.

For each additional tooth inserted add \$1.75. Duplicate No. 5 holders, 50 cents each. Duplicate No. 5 points, \$6.00 per hundred. Wrenches, \$1.00 each.



RIFT SAWS.

WITH CHISEL TOOTH No. 3.

Diameter, Inches.	With Four No. 3 Teeth.	With Six No. 3 Teeth.
14	\$11 50	\$14 50
16	12 50	15 50
18	14 00	17 00
20	15 00	18 00
22	17 00	20 00
24	19 00	22 00

Eight gauge is standard. Can furnish 9 or 10 gauge. In ordering be particular to send templet of holes.

Duplicate No. 3 teeth, list, \$4.80 per hundred. Duplicate No. 3 holders, list, 40 cents each. Wrenches, list, \$1.00 each.

Ten extra sets of points and one holder given with each saw.

ATKINS IMPROVED PATENT INSERTED TOOTH SAW WRENCHES.

The most perfect wrench yet devised. Can be quickly adjusted to holder. Easy to operate.



No. 1.

For Nos. 3, 4 and 5 Holders.



No. 2.

For Nos. 2 and 2½ Holders.

List Price, each, \$1.00

B a n d S a w s



WITH TEETH ON ONE OR BOTH EDGES.

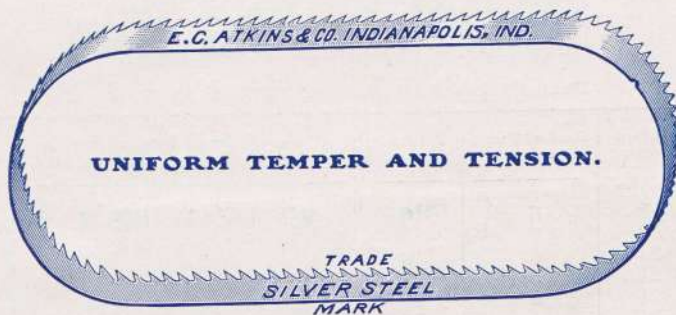
As pioneers in the manufacture of Band Saws, having made a SPECIALTY of this branch of saw making ever since the advent of the band mill as the modern method of manufacturing lumber, we have, by virtue of our long experience, acquired knowledge of the requirements of mill bands as to steel, temper and pattern of tooth, that has won for us an enviable reputation among users of this class of saws.

We are now enjoying the patronage of a majority of the leading band mills throughout the country. Atkins Silver-Steel Bands are producing results not obtained from other bands in the market.

Our success in this department is due to the use of Atkins Silver-Steel, the toughest and most flexible steel made, the latest improved machinery, the employment of skilled mechanics and our facilities for securing absolute uniformity of temper.

ATKINS SILVER-STEEL BAND SAWS.

FOR LOG MILLS AND RE-SAWING MACHINES.



The Atkins Silver-Steel Bands Give the Best Results.

Every saw is joined, filed, set and fitted, ready to go on the mill without further hammering.

Width, Inches.	Usual Gauge.	Per Running Foot.	Width, Inches.	Usual Gauge.	Per Running Foot.
2	18 to 20	\$0 65	8½	14 to 17	\$3 25
2½	18 to 20	85	9	14 to 16	3 45
3	18 to 20	1 05	10	13 to 15	3 85
3½	18 to 20	1 25	11	13 to 15	4 35
4	18 to 20	1 45	12	13 to 15	5 00
4½	18 to 20	1 65	13	13 to 15	6 00
5	16 to 20	1 85	14	13 to 15	7 00
5½	16 to 20	2 05	15	12 to 14	8 50
6	16 to 20	2 25	16	12 to 14	10 00
6½	16 to 20	2 45	17	12 to 14	14 00
7	15 to 18	2 65	18	12 to 14	18 00
7½	15 to 18	2 85	20	12 to 14	26 00
8	14 to 17	3 05			

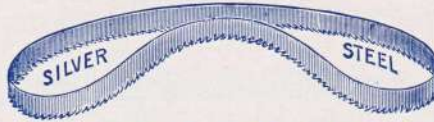
Band saws thinner than 22 gauge, add 20 per cent. to list.

DOUBLE EDGE Band saws advance list 10 per cent.

NARROW BAND SAWS.

FOR RE-SAWING AND SCROLL SAWING.

NOTE—These saws are not joined, set and filed unless so ordered.



Price List, Not Joined, Filed or Set.

Width, Inches.	Standard Gauge.	Standard Teeth, Points.	Per Foot, Cents.	Width, Inches.	Standard Gauge.	Standard Teeth, Points.	Per Foot, Cents.
Dec. 14, 1906.							
	$\frac{1}{8}$	7	7¢ Per Foot	$\frac{7}{8}$		4	16
	$\frac{3}{16}$	8	"	1		$3\frac{1}{2}$	18
	$\frac{1}{4}$	9	"	$1\frac{1}{8}$		$3\frac{1}{2}$	21
$\frac{3}{8}$		10	"	$1\frac{1}{4}$		$3\frac{1}{2}$	24
$\frac{1}{2}$		11	"	$1\frac{3}{8}$		3	27
$\frac{5}{8}$	21		"	$1\frac{1}{2}$		3	30
$\frac{3}{4}$	21		"	$1\frac{3}{4}$		3	34

Filing and setting 4 cents per foot extra.

Narrow Band Saws with beveled backs, advance list 50 per cent. for first gauge and 10 per cent. for each additional gauge.

For Band Saws with Knife Edge, add 10 cents per foot to list.

BRAZING.

$\frac{1}{4}$ to $\frac{1}{2}$ -inch.....	\$0 40	$1\frac{3}{4}$ -inch.....	\$0 90
$\frac{3}{8}$ to $\frac{7}{8}$ -inch.....	50	2 -inch.....	1 00
1 to $1\frac{1}{4}$ -inch.....	60	$2\frac{1}{2}$ -inch.....	1 25
$1\frac{3}{8}$ to $1\frac{1}{2}$ -inch.....	80		

APPROXIMATE WEIGHTS OF ENDLESS RUBBER BANDS FOR BAND SAW WHEELS.

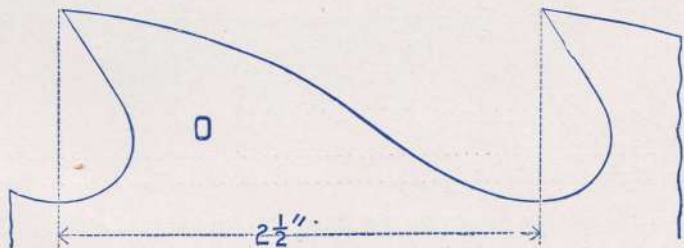
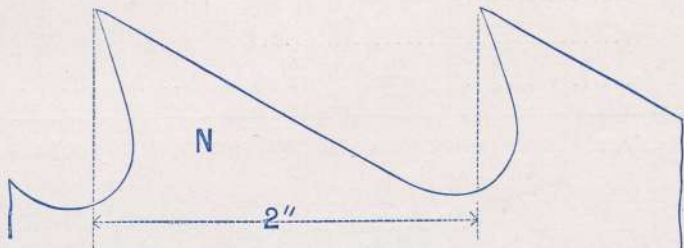
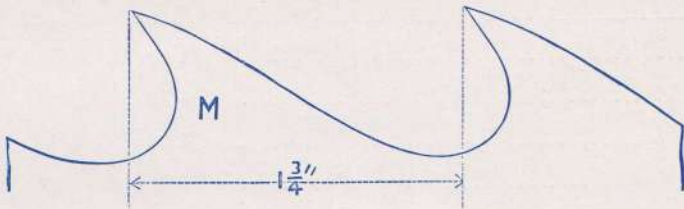
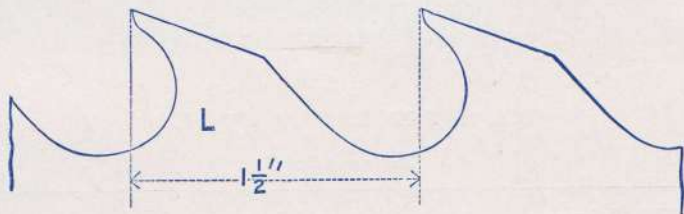
Diameter of Wheels, Inches.	Width, Inches.	Pounds.	Ounces.	Diameter of Wheels, Inches.	Width, Inches.	Pounds.	Ounces.	Diameter of Wheels, Inches.	Width, Inches.	Pounds.	Ounces.
22	$1\frac{1}{2}$	1	4	26	2	1	14	36	$2\frac{1}{4}$	2	11
24	$1\frac{1}{2}$	1	6	28	2	2	0	38	$2\frac{1}{4}$	2	13
26	$1\frac{1}{2}$	1	8	30	2	2	2	40	$2\frac{1}{4}$	2	15
28	$1\frac{1}{2}$	1	10	32	2	2	4	42	$2\frac{1}{4}$	3	1
30	$1\frac{1}{2}$	1	12	34	2	2	6	30	$2\frac{1}{2}$	2	8
24	$1\frac{3}{4}$	1	9	36	2	2	8	32	$2\frac{1}{2}$	2	10
26	$1\frac{3}{4}$	1	11	38	2	2	10	34	$2\frac{1}{2}$	2	12
28	$1\frac{3}{4}$	1	13	40	2	2	12	36	$2\frac{1}{2}$	2	14
30	$1\frac{3}{4}$	1	15	30	$2\frac{1}{4}$	2	5	38	$2\frac{1}{2}$	3	0
32	$1\frac{3}{4}$	2	1	32	$2\frac{1}{4}$	2	7	40	$2\frac{1}{2}$	3	2
34	$1\frac{3}{4}$	2	3	34	$2\frac{1}{4}$	2	9	42	$2\frac{1}{2}$	3	4
36	$1\frac{3}{4}$	2	5								

Above table is based on bands $\frac{3}{16}$ inches thick, which is the standard. For $\frac{1}{4}$ inches thick add one-third. These weights are approximate and are subject to a slight variation.

Prices quoted on application.

A FEW PATTERNS OF TEETH USED IN ATKINS BAND SAWS—Cont'd.

When ordering Band Saws, if any of the Patterns here shown are desired, kindly refer to "Letter" designating Style of Tooth.



ATKINS GANG SAWS.



WITH REVERSED TOOTH.

Price List.

Width, Inches.	6	7	8	9	10
8 gauge.....			\$1 60	\$1 75	.....
9 gauge.....			1 40	1 50	.....
10 and 11 gauge.....			1 20	1 30	\$1 45
12 and 13 gauge.....			1 20	1 30	1 45
13 and 14 gauge.....	\$1 00	\$1 10	.....	.....	.....
14 and 15 gauge.....			1 15	1 25	1 40
15 and 16 gauge.....	95	1 05	.....	.....	.....

If swaged only, add 5 cents per foot to list. If fitted for use, add 10 cents per foot to list.

RIFT SAW.



5 inches wide, 15 and 16 gauge..... Per foot \$0 85
 4 inches wide, 17 gauge..... Per foot 80

Tabbing, with Solid Bent, Two-Plate Tabs.

4-hole, suitable for saws 6 inches and narrower..... Per blade, net, \$0 40
 5-hole, suitable for saws 7 and 8 inches wide..... Per blade, net, 50
 6-hole, suitable for saws 9 inches and wider..... Per blade, net, 60
 Solid round Tabs..... Per blade, net, 50

DRAG SAWS.



Single Hook.



Mill Tooth.



Tittle Tooth.

BUTTING OR DRAG SAWS.

				Per Foot.					Per Foot.
Tapered 10-in. butt, 8-in. point, 8 ga..				\$1 60	Tapered 7-in. butt, 5-in. point, 11 ga..				\$1 10
“ 10 “ 8 “ 9 ga..				1 55	“ 7½ “ 4½ “ 10 ga..				1 15
“ 9 “ 7 “ 8 ga..				1 50	“ 7½ “ 4½ “ 11 ga..				1 10
“ 9 “ 7 “ 9 ga..				1 45	Equal width, 8-in., 10 ga.....				1 45
“ 8 “ 6 “ 10 ga..				1 25	“ “ 9-in., 10 ga.....				1 55
“ 8 “ 6 “ 11 ga..				1 20	“ “ 10-in., 10 ga.....				1 75
“ 7 “ 5 “ 10 ga..				1 15	“ “ 12-in., 10 ga.....				2 00

Saws over seven feet long, use Lance Tooth List.



Lance Tooth.

Width, Inches.	5 Gauge.	6 Gauge.	7 Gauge.	8 Gauge.	9 Gauge.	10 Gauge.
8				\$1 75	\$1 65	\$1 45
9				2 00	1 75	1 55
10			2 55	2 20	2 00	1 75
12		\$3 30	3 00	2 65	2 40	2 20
14	\$4 40	4 00	3 65	3 30	3 00	2 65
16	4 85	4 50	4 20	3 85	3 55	3 20
Tapered 8-in. butt, 6-in. point.....				1 55	1 45	1 35

Saws over eight feet long, extra price.

MULAY SAWS.



Gauge.	4	5	6	7	8	9
10-inch wide, per foot.....	\$3 15	3 00	2 75	2 40	2 20	1 90
11 " " "	3 50	3 30	3 00	2 75	2 40	2 20
12 " " "	3 85	3 50	3 30	3 00	2 75	2 40

MULAY SAWS FOR THE CHANDLER & TAYLOR SIDE-CUTTING MULAY SAW MILL.



Gauge.	6	7	8	9
9-inch wide, per foot.....	\$3 00	2 75	2 50	2 25

MILL SAWS.

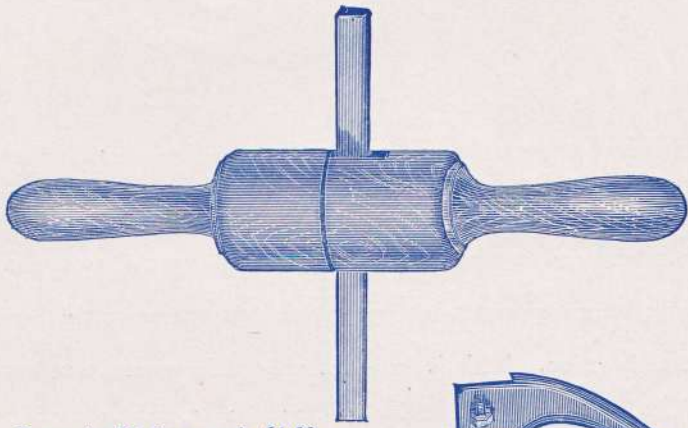


Gauge.	5	6	7	8	9	10
8-inch wide, per foot.....	\$2 20	2 10	1 90	1 75	1 65	1 55

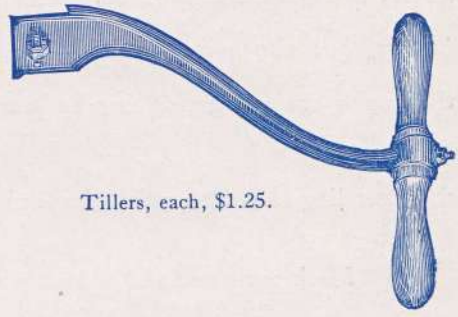
In ordering Mulay and Mill Saws, state length, width, gauge and distance from point to point of teeth.

TILLERS AND BOXES FOR PIT SAWS COMPLETE.

Price, \$2.25.



Boxes for Pit Saws, each, \$1.00.



Tillers, each, \$1.25.

PIT SAWS.



Length.....	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Price, each.....	\$5 00	5 50	6 00	6 50	7 00	7 50	8 00

WHIP SAWS.



Length.....	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.
Price, each.....	\$3 00	3 30	3 60	3 90	4 20	4 50

R e p a i r i n g

We desire to call special attention to our facilities for repairing saws of every description. This branch of our business has assumed large proportions. With improved machinery and appliances, expert workmen, careful attention to details and prompt return of work, we are prepared to guarantee the best service and perfect satisfaction. This is true not only with reference to our factory, but also our branch houses, each of which is furnished with a thoroughly equipped repair shop and competent workmen.

In sending saws for repairs, please observe the following directions:—

- (a) Mark our name and address plainly on package.
- (b) Sender should mark his name and address plainly on package, so that we can identify it.
- (c) Advise us of shipment by mail.
- (d) Send us full instructions by mail.

Breakage in repairing at owner's risk.

We make a specialty of repairing Cylinder Saws.

REPAIRING SOLID TOOTH CIRCULAR SAWS.

Diameter, Inches.	Hammering Only.	Gumming and Hammering.	Cutting Down, Re-toothing and Hammering	Grinding First Gauge.	Grinding Addi- tional Gauges, Each Gauge.
4	\$0 20	\$0 30	\$0 40	\$0 35	\$0 15
5	25	35	45	40	20
6	30	40	50	45	25
7	35	45	55	50	30
8	40	50	65	55	35
9	45	55	75	60	40
10	50	65	85	65	45
12	60	90	1 05	75	55
14	70	1 05	1 25	90	65
16	80	1 20	1 45	1 05	75
18	95	1 40	1 70	1 30	85
20	1 10	1 65	1 95	1 45	95
22	1 25	1 90	2 20	1 60	1 05
24	1 40	2 15	2 45	1 80	1 15
26	1 60	2 45	2 75	2 00	1 25
28	1 80	2 75	3 15	2 25	1 35
30	2 00	3 05	3 55	2 50	1 45
32	2 20	3 35	4 00	2 75	1 55
34	2 45	3 70	4 60	3 00	1 70
36	2 85	4 10	5 20	3 25	1 85
38	3 20	4 65	6 00	3 50	2 00
40	3 70	5 35	6 80	3 75	2 20
42	4 20	6 10	7 70	4 00	2 40
44	4 70	6 90	8 70	4 30	2 70
46	5 30	7 85	9 80	4 65	3 00
48	5 90	8 80	11 00	5 05	3 30
50	6 50	9 75	12 25	5 50	3 60
52	7 10	10 70	13 50	6 00	3 90
54	7 70	11 70	14 75	6 60	4 20
56	8 30	12 70	16 00	7 25	4 50
58	9 00	13 80	17 25	8 00	4 80
60	9 80	15 00	18 50	8 80	5 15
62	10 60	16 20	20 25	9 60	5 50
64	11 40	17 40	22 00	10 40	5 90
66	12 20	18 60	23 75	11 20	6 30
68	13 00	19 80	25 50	12 00	6 75
70	13 80	21 00	27 25	13 00	7 35
72	14 60	22 20	29 00	14 00	8 00
74	15 40	23 40	30 75	15 00	8 75

When we Gum saws, we grind the teeth free.

This price is calculated on size of saw after cutting down.

Saws Re-ground require hammering. See list for Hammering.

In sending us saws for repairs, mark our address in full upon the package; also give address of party sending it and what station and State shipped from, so that we can identify on arrival.

ADVANCE LIST FOR HAMMERING INSERTED TOOTH SAWS 25 PER CENT.

TAPER GROUND SHINGLE, HEADING AND RE-SAWS.

	46 In. and Under.	48 In. and Over.
Hammered, per inch in diameter.....	\$0 15	\$0 20
Gummed and Hammered, per inch in diameter.....	22	30
Re-toothed and Hammered, per inch in diameter.....	30	40
Grinding, first gauge, per inch in diameter.....	6	8
Grinding, additional gauges, per inch in diameter.....	4	6
Re-tempered. two-thirds of list of NEW saws.		

BURNED SAWS.

The temper of burned saws can generally be restored. We make a specialty of this class of work, and rarely fail to make such saws as good as new. We undertake the work at the owner's risk, though no charge will be made by us in case of failure. Please prepay freight on all such saws.

RE-TEMPERING AND RE-FITTING BURNED SAWS.

(INCLUDING TEMPERING, GRINDING, POLISHING, GUMMING AND HAMMERING.)

Size, Inches.	Price, Each.	Size, Inches.	Price, Each.	Size, Inches.	Price, Each.
30	\$12 00	44	\$24 00	58	\$55 00
32	14 00	46	27 00	60	60 00
34	16 00	48	30 00	62	68 00
36	17 00	50	35 00	64	76 00
38	18 00	52	40 00	66	88 00
40	19 00	54	45 00	68	100 00
42	21 00	56	50 00	70	116 00

All sizes under 30 inches, two-thirds list price for Circular Saws.

Prices for re-tempering Chisel Bit Saws quoted on application.

REPAIRING LONG SAWS, CROSS-CUT AND BAND SAWS.

MILL, MULAY AND EQUAL WIDTH DRAG SAWS.

	To 5 Feet.	Over 5 Feet.
Re-Toothing and Hammering.....	each, \$1 50	\$2 00
Hammering only.....	each, 1 00	1 50

TAPER DRAG SAWS.

Re-Toothing, Hammering and Filing.....	each, \$2 00
Hammering only.....	" 1 00
Setting and Sharpening only.....	" 1 00
Re-Toothing and Hammering only.....	" 1 50

CROSS-CUT SAWS.

Hammering.....	each, \$0 70
Gumming and Hammering.....	" 1 00
Gumming, Hammering and Filing.....	" 1 50
Re-Toothing, Hammering and Filing.....	" 2 00
Setting and Sharpening only.....	" 70
Skim and Polish.....	" 50

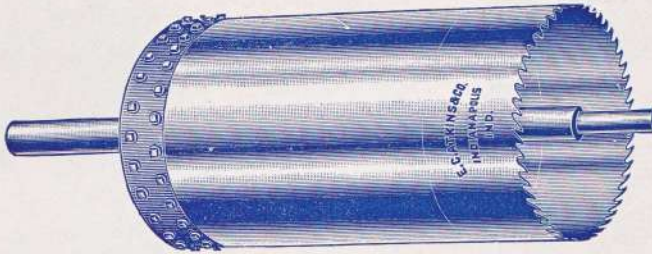
BAND SAW BLADES.

Brazing wide blade for Log Mill.....	50 cents per inch in width.
Hammering.....	5 cents per foot per inch in width.
Gumming and Toothing.....	8 cents per running foot.
Filing and Swaging.....	8 cents per running foot.

Cylinder Saws Repaired and Re-Steeld. Satisfaction Guaranteed.

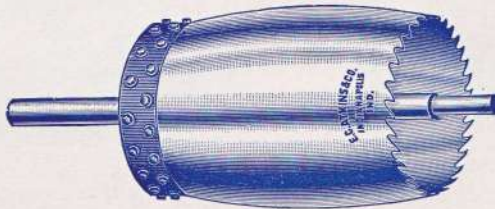
BARREL STAVE SAWS.

We manufacture Cylinder Saws, complete, comprising Cylinder, Steel, Head and Arbor. They are made from the highest grade of crucible steel, ground and tempered by our patented processes. Every Saw fully warranted. Prices quoted on application.



Net Prices for Re-Steeling Cylinder Saws.

Diameter, Inches.	Length of Steel, Inches.	Net Prices.	Diameter, Inches.	Length of Steel, Inches.	Net Prices.
6	6	\$13 00	14	6	\$21 50
7	6	13 50	15	6	23 00
8	6	14 00	16	6	24 50
9	6	15 00	18	8	28 00
10	6	16 00	20	8	32 00
11	6	17 00	22	9	36 00
12	6	18 50	24	9	42 00
13	6	20 00	26	10	50 00

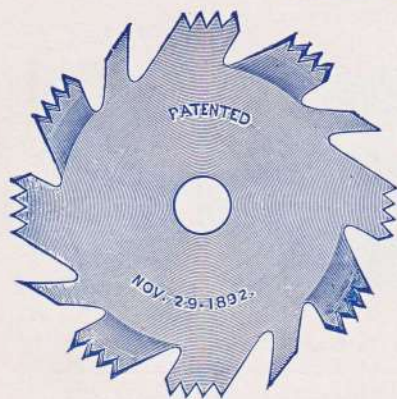
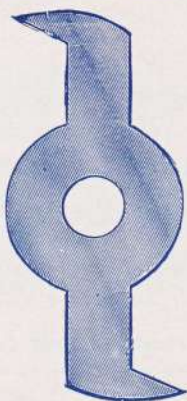
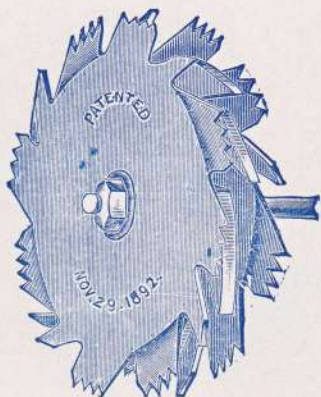
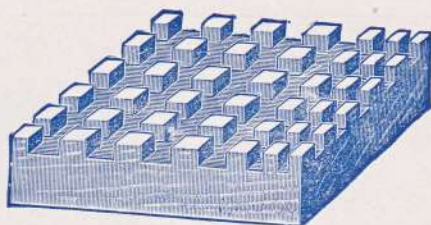


Bilge Saws made to order. Prices quoted on receipt of specifications.

Net Prices for Re-Steeling Bilge Saws.

Diameter, Inches.	Length of Steel, Inches.	Net Prices.	Diameter, Inches.	Length of Steel, Inches.	Net Prices.
10	6	\$24 00	14	6	\$28 00
11	6	25 00	15	6	30 00
12	6	26 00	16	6	33 00
13	6	27 00			

These prices are for steels up to the length specified, or shorter. For longer steels add 5 per cent. for each additional inch or fraction thereof.

GROOVER OR DADO HEAD.**HUTHER'S PATENT.****Jointed and Filed, Ready for Use.****Outside Cutter.****Inside Cutter.****Outside Cutter.**Can be Used on any Circular Saw
Mandrel.Will Cut a Perfect Groove With or
Across the Grain.**Prices Net—Not Subject to Discount.**

For cutting any width groove, from $\frac{1}{8}$ inch to 2 inches or over.

This groover consists of two outside saws, each of which is a groover in itself, and as many inside cutters as required.

The inside cutters are made $\frac{1}{8}$, $\frac{1}{8}$ and $\frac{1}{4}$ inch thick, so that any width groove measurable in sixteenths may be cut.

The outside cutters are made $\frac{3}{8}$ inch thick.

It will cut a perfect groove, either with or across the grain, and will not leave a rough edge, as is the case with ordinary groovers.

This tool is recommended to any person in need of a perfect groover, Dado or Gaining Head.

The outside cutters can be used singly, together, or in connection with as many or as few inside cutters as required to cut the necessary width groove.

We will guarantee to sell you the best Dado on the market, and will send on approval to any responsible party, and if not satisfactory in every respect it can be returned at our expense.

GROOVER OR DADO HEAD.

HUTHER'S PATENT.

The groovers are arranged in sets, as follows:

- No. 1 Set, cutting grooves, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$.
 No. 2 " " " $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$.
 No. 3 " " " $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$.
 No. 4 " " " $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1.
 No. 5 " " " $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1, $1\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{3}{8}$, $1\frac{1}{4}$, $1\frac{5}{16}$, $1\frac{3}{8}$, $1\frac{7}{16}$, $1\frac{1}{2}$.
 No. 6 " " " $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1, $1\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$, $1\frac{5}{16}$, $1\frac{3}{8}$, $1\frac{7}{16}$, $1\frac{1}{2}$, $1\frac{9}{16}$, $1\frac{5}{8}$, $1\frac{11}{16}$, $1\frac{3}{4}$, $1\frac{13}{16}$, $1\frac{7}{8}$, $1\frac{15}{16}$, 2.

Price List of Groovers.

	6 In. Diam.	7 In. Diam.	8 In. Diam.	9 In. Diam.	10 In. Diam.	11 In. Diam.	12 In. Diam.	14 In. Diam.	16 In. Diam.	18 In. Diam.	20 In. Diam.
No. 1 Set....	\$5 80	\$6 80	\$7 60	\$8 35	\$9 15	\$9 75	\$10 85	\$13 30	\$15 80	\$18 30	\$19 80
No. 2 Set....	7 05	8 15	9 05	9 90	10 80	11 60	12 95	15 40	17 90	20 40	22 90
No. 3 Set....	8 65	9 85	10 85	11 90	13 00	13 90	15 45	18 00	20 50	23 00	25 50
No. 4 Set....	9 90	11 20	12 30	13 45	14 65	15 75	17 55	20 00	22 50	25 00	27 50
No. 5 Set....	12 40	13 90	15 20	16 55	17 95	19 45	21 75	24 25	26 75	29 25	31 75
No. 6 Set....	14 90	16 60	18 10	19 65	21 25	23 15	25 95	28 50	31 00	33 50	36 00

INSIDE CUTTERS.

OUTSIDE CUTTERS.

	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$ or $\frac{1}{4}$		$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$
6	\$0 65	\$1 00	\$1 40	6	\$2 95	\$3 50	\$4 00
7	70	1 10	1 50	7	3 40	4 00	4 60
8	80	1 20	1 60	8	3 85	4 45	5 05
9	90	1 30	1 70	9	4 30	4 90	5 50
10	1 00	1 40	1 80	10	4 75	5 35	6 00
11	1 10	1 50	1 90	11	5 10	5 80	6 50
12	1 20	1 60	2 10	12	6 05	6 65	7 00

In ordering, please state the number of set, diameter of groover, and size of hole wanted.
 Extra inside cutters can be had at any time.

POND ICE SAWS.

Standard Length, 5 Feet.

Tapered 8-inch butt, 6-inch point, No. 10 gauge, set and sharpened, without handles.....	Per foot, \$1 00
Tapered 8-inch butt, 6-inch point, No. 11 gauge, set and sharpened, without handles.....	" 95
Tapered 7-inch butt, 5-inch point, No. 10 gauge, set and sharpened, without handles.....	" 90
Tapered 7-inch butt, 5-inch point, No. 11 gauge, set and sharpened, without handles.....	" 90
Tiller Handles, each, \$1.25.	



HAND ICE SAWS WITH IRON HANDLES.

For Wagon Use. Set and Sharpened.



24 inches.....	Per dozen, \$20 00	32 inches.....	Per dozen, \$24 00
26 ".....	" 21 00	34 ".....	" 25 00
28 ".....	" 22 00	36 ".....	" 26 00
30 ".....	" 23 00		

Ice Saws with Beech Handles same price as above.

HOLLOW BACK HAND ICE SAW.



24 inches.....	Per dozen, \$14 00	32 inches.....	Per dozen, \$18 00
26 ".....	" 15 00	34 ".....	" 19 00
28 ".....	" 16 00	36 ".....	" 20 00
30 ".....	" 17 00		

FELLOE WEBS.



List Price.

Inches.	Gauge.	Width.	Per Dozen.	Inches.	Gauge.	Width.	Per Dozen.
6	19	$\frac{3}{8}$ to $\frac{1}{2}$	\$1 50	22	17	$\frac{1}{4}$ to $\frac{3}{4}$	\$3 85
7	19	$\frac{3}{8}$ to $\frac{1}{2}$	1 60	24	17	$\frac{1}{4}$ to $\frac{7}{8}$	4 25
8	19	$\frac{3}{8}$ to $\frac{1}{2}$	1 70	26	17	$\frac{1}{4}$ to $\frac{7}{8}$	4 65
10	18	$\frac{3}{8}$ to $\frac{1}{2}$	1 90	28	17	$\frac{1}{4}$ to 1	5 15
12	18	$\frac{1}{4}$ to $\frac{1}{2}$	2 10	30	16	$\frac{1}{4}$ to 1	5 65
14	17	$\frac{1}{4}$ to $\frac{1}{2}$	2 40	32	16	$\frac{1}{4}$ to 1	6 15
16	17	$\frac{1}{4}$ to $\frac{5}{8}$	2 75	34	16	$\frac{1}{4}$ to 1	6 65
18	17	$\frac{1}{4}$ to $\frac{5}{8}$	3 10	36	16	$\frac{1}{4}$ to 1	7 15
20	17	$\frac{1}{4}$ to $\frac{3}{4}$	3 45				

One gauge heavier than the above list, no extra charge; five per cent. extra for each additional gauge to 14 gauge; above 14 gauge, special prices.

Extra width, ten per cent. for each one-eighth inch.

N. B.—All Web Saws one-eighth inch and narrower will be made with wide ends in order to give strength at the hole, twenty-five per cent. advance; with pins, 50 cents per dozen additional, list.

FAY'S PATENT SCROLL SAWS.



List Price.

Inches.....	8	9	10	11	12	13	14	16	18	20	22	24
Per dozen....	\$2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00	4 50	5 00	5 50

Webs to 16 inches over three-fourths inch wide, extra price; eighteen to twenty-four inches, over one inch wide, extra price. We make the above Webs from 13 to 16 gauge in thickness; with pins, 50 cents per dozen additional, list.

GERMAN PATTERN WEBS.

List Price.

Length, Inches.	$\frac{3}{8}$ to $\frac{3}{4}$ In. Wide.	$\frac{3}{8}$ to 1 $\frac{1}{8}$ In. Wide.	1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ In. Wide.	1 $\frac{1}{2}$ to 2 In. Wide.
18	\$2 55	\$2 65	\$2 75	\$2 85
20	2 65	2 75	2 85	2 95
22	2 75	2 85	2 95	3 05
24	2 90	3 00	3 10	3 25
26	3 10	3 25	3 35	3 45
28	3 35	3 50	3 65	3 75
30	3 60	3 75	3 95	4 05
32	3 85	4 00	4 25	4 35
34	4 10	4 25	4 55	4 65
36	4 35	4 50	4 85	4 95

EXTRA THIN BACK.

18	\$3 20	\$3 30	\$3 40	\$3 50
20	3 30	3 40	3 50	3 60
22	3 40	3 50	3 60	3 70
24	3 55	3 65	3 80	3 90
26	3 80	3 90	4 05	4 20
28	4 10	4 20	4 35	4 50
30	4 40	4 50	4 70	4 85
32	4 70	4 80	5 05	5 20
34	5 00	5 10	5 40	5 55
36	5 30	5 40	5 75	5 90

All of above Webs are set and sharpened. Tanged Webs advance two inches on above.

Atkins Improved Hack Saws

Our greatly improved methods and increased facilities for the manufacture of Hack Saws enables us to produce blades of superior excellence in enormous quantities. We are prepared to execute orders in any size and quantity without delay and can guarantee our blades to give entire satisfaction. We use only the highest quality of steel, made especially to our order, and our patented process of manufacture and skillful workmanship insures a greater degree of efficiency than is possible to obtain from other saws.

We have adopted, instead of using numbers, a new and distinctive method of designating our various styles of Hack Saws, which we consider very simple and effective.

For example:

Style S. R. means SPRING Flexible Back Blades with REGULAR teeth.

Style S. F. means SPRING Flexible Back Blades with FINE teeth.

A trial is all that is necessary to convince the user of the superiority of the "Triple A" saws and where once introduced, no other blades can be successfully substituted for them. Samples will be furnished free of charge if desired.

ATKINS "SPRING FLEXIBLE BACK" HACK SAW BLADES.

These blades are manufactured by our new process whereby the tooth edge only is left hard, while the back is drawn to a clock spring temper, which will permit the saw to bend without kinking or breaking readily. The following illustration shows the principle of our "Spring Flexible Back" Blades.



The advantages possessed by these blades over other so-called flexible or soft back saws are that they will not "stretch" or "bow-up," causing the hard tooth edge to crack and shell off; neither will they "rough up" or "wedge" as the soft saws are liable to do.

Our process of tempering insures that the tooth edge will be as hard as our "all hard" blades, while the back, being carefully graduated to a clock spring temper, will cause the blade to spring back into line after being bent. The blade will not snap or break, except under unusual pressure, thereby assuring the user full efficiency until the teeth are worn out.

STYLE S. R.

Blue Label.

SPRING FLEXIBLE BACK REGULAR Blades for use in hand frame.

The 6 and 7 inch saws are $\frac{7}{16}$ inch wide, .025 thick; the 8, 9, 10 and 11 inch saws are $\frac{1}{2}$ inch wide, .025 thick. All these sizes have 18 teeth to the inch. The 12 inch saws are $\frac{9}{16}$ inch wide, .025 thick and have 15 teeth to the inch.

STYLE S. F.

Red Label.

SPRING FLEXIBLE BACK FINE Blade for use in hand frame.

For sawing tubing, brass, copper and sheet metals. All sizes have 24 teeth to the inch. Width and thickness same as style S. R.

LIST PRICES OF S. R. AND S. F. BLADES.

Length, inches.....	6	7	8	9	10	11	12
Per dozen.....	\$0 55	0 60	0 65	0 70	0 85	0 95	1 05

The 8-inch saws as above are also made without set for slotting.

See that our trade mark is stamped on every saw.

All lengths are the measurements between holes.

N. B.—Unless "Fine" are specified we send "Regular" teeth.

ATKINS "HARD" HACK SAW BLADES.

Our "all hard" blades have greater durability than any similar blade on the market. They are made from the highest grade of steel, manufactured expressly from our own formula. The teeth are sharp and so set as to present a square cutting surface to the work, and just enough set to insure a free, smooth and rapid cut, removing no more stock than necessary. They are tempered hard and tough by our special process. A file will not touch them.

It will be well to remember that these Hack Saws are as hard as a file, the temper being the same in both. This being the case, care should be taken not to bend the saw unnecessarily, for, like the file, it will easily break or fly to pieces when bent.



STYLE H. R.

Green Label.

HARD REGULAR Blade for use in hand frame.

The 6 and 7 inch saws are $\frac{7}{16}$ inch wide, .025 thick; the 8, 9, 10 and 11 inch saws are $\frac{1}{2}$ inch wide, .025 thick. All these sizes have 18 teeth to the inch. The 12 inch saws are $\frac{5}{8}$ inch wide, .025 thick and have 15 teeth to the inch.

STYLE H. F.

Yellow Label.


HARD FINE Blade for use in hand frame.

For sawing tubing, brass, copper and sheet metals. All sizes have 24 teeth to the inch. Width and thicknesses same as style H. R.

LIST PRICES OF H. R. AND H. F. BLADES.

Length, inches.....	6	7	8	9	10	11	12
Per dozen	\$0 55	0 60	0 65	0 70	0 85	0 95	1 05

The 8-inch saws as above are also made without set for slotting.

Every saw stamped with our trade mark  is reliable.

All lengths are measurements between holes.

N. B.—Unless "Fine" are specified we send "Regular" teeth.

ATKINS POWER HACK SAW BLADES.

Our power blades are all tempered hard, but by our special process the temper is graduated through the body so that just enough elasticity and life is imparted to the saw to make it far more serviceable than any other power saw on the market. They are made in two widths, $\frac{5}{8}$ inch, which are .031 thick, and $\frac{3}{4}$ inch, which are .035 thick. The latter are for the heaviest class of work, and are especially adapted for the Q. & C., the Wright & Colton, the Millers Falls, the Challenge, and other machines built for special work.



STYLE P. R.

Green Label.

POWER REGULAR Hard Blade for machine use.

These blades are made 10, 11, 12, $13\frac{1}{2}$, 14, 16, $16\frac{1}{2}$ inches long by $\frac{5}{8}$ inch in width by .031 thick. All these sizes have 15 teeth to the inch.

Length, inches.....	10	11	12	$13\frac{1}{2}$	14	16	$16\frac{1}{2}$
Per dozen.....	\$0 85	0 95	1 05	1 25	1 25	1 50	1 50

STYLE P. S.

Green Label.

POWER SPECIAL Hard Blade for machine use.

These blades are made 12, $13\frac{1}{2}$, 14, 16 and $16\frac{1}{2}$ inches long by $\frac{3}{4}$ inch wide by .035 thick. All these sizes have 13 teeth to the inch.

Length, inches.....	12	$13\frac{1}{2}$	14	16	$16\frac{1}{2}$
Per dozen.....	\$1 25	1 50	1 50	1 80	1 80

These blades can be furnished in the "Spring Back," if desired, on special order, but they are not carried in stock.

See that our trade mark  is stamped on every saw.

All lengths are measurements between holes.

JEWELERS' SAWS.

List price, complete, with blades.....	Per dozen, \$3 60
List price for blades only.....	" 75

Blades .014 inches thick, $\frac{1}{4}$ inch wide, 6 inches long, 30 teeth to the inch.

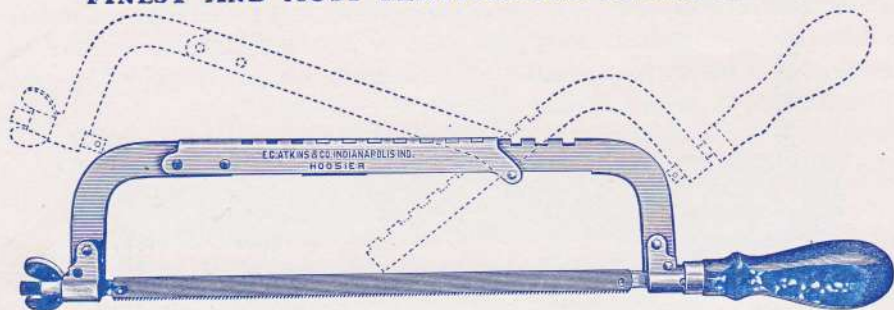
SAWS FOR CUTTING MICA AND SLATE.

Made with a special size, set of tooth and temper.

Write for prices, giving use for which blades are required and the length.

ATKINS IMPROVED "HOOSIER EXTENSION" HACK SAW.

FINEST AND MOST SERVICEABLE FRAME MADE.

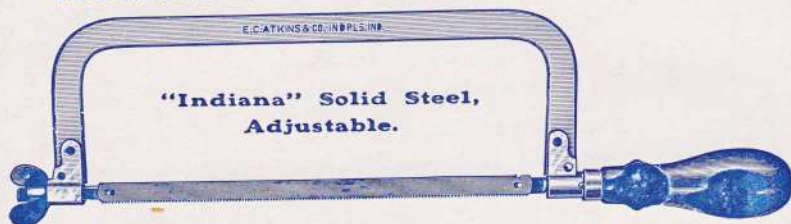


Made of high-grade steel; heavily nickeled, highly polished. Takes in blade from 8 inches to 12 inches, inclusive. Blade is adjustable and can be faced four different ways. Fine enameled handle.

List price, with blades, per dozen, \$12.00.

Packed one in a box.

ATKINS INDIANA HACK SAWS.



Steel back, all nickeled and polished. Blade is adjustable and can be faced four different ways. Enameled handle, fine finish.

List price, to hold 8-inch blade, complete with blade, per dozen, \$9.00.

Advance list 50 cents per inch per dozen for frames longer than 8 inches. Larger sizes to order.

Packed one in a box.

UNION HACK SAWS.



These frames are iron, black japanned, and have black wood handles. They are light in weight, graceful in appearance, but strong and rigid. The blade is held by stationary pins, which cannot be lost, and the blade can be faced four different ways.

List price, to hold 8-inch blade, without blades, per dozen, \$4.20.

Packed one-half dozen in a box.

The Atkins Celebrated C r o s s - C u t S a w s

SILVER-STEEL AND FINE SPECIAL STEEL SAWS.

The high standard of excellence attained by the Atkins Cross-Cut Saws is the result of years of experience and practical tests of methods, appliances and steel used in their production.

We have introduced all the recognized improvements in Cross-Cut Saws; prominent among these are the original Silver-Steel Diamond, Rex, Dexter, Perfection, Moss-Back and Tuttle. These stand at the head of fine, fast-cutting saws.

We wish to say that there are no results obtained by any method of grinding saws that have not been accomplished in our factory. Our method of tempering is the most approved known, dispensing almost entirely with hammering, and securing absolute uniformity of temper throughout the entire length of the saw, and of any number of saws. Every saw is carefully tested for temper and fitted perfectly for use before shipment. We assure our patrons that we shall continue to maintain this high standard in the Atkins Cross-Cut Saws.

INTERESTING FACTS.

An examination of the following pages and a practical test of the merits of our saws substantiate the claim that—

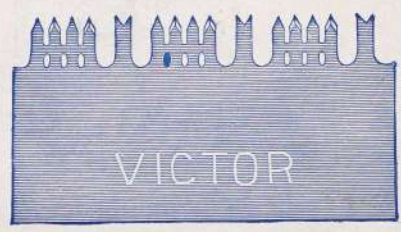
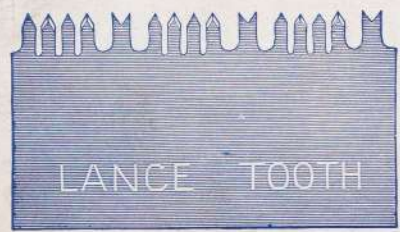
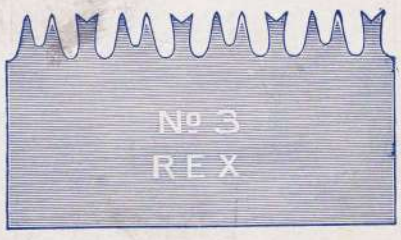
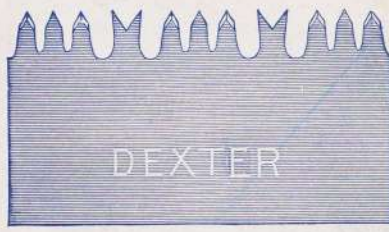
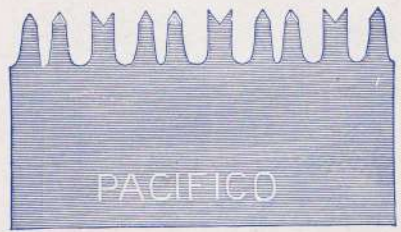
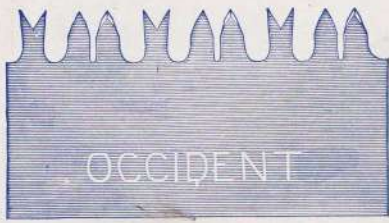
In quality of material and temper; in perfect fitting for use; in general finish and appearance; in the great variety of styles; in adaptability to all sections and kinds of timber; in fast-cutting and light-running qualities—our line of Cross-Cut Saws is unequalled by any American or foreign manufacturer.

CAUTION.

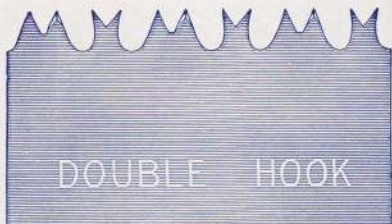
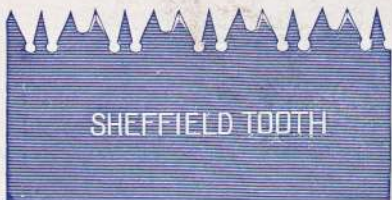
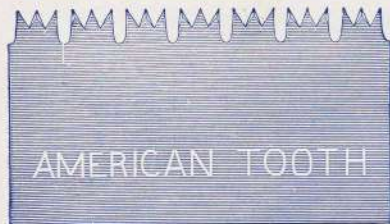
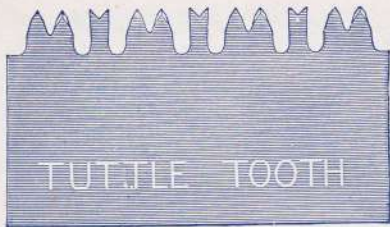
We are the sole users of, and control the production of, the Silver-Steel used in our saws. Silver-Steel is a special, fine tool steel, which possesses certain qualities that are of great practical value in the production of fine, fast-cutting saws. It is susceptible of a fine, high temper, and saws made from it by our patented methods of manufacture will hold a keen cutting edge without crumbling, doing more work without filing than can be done with saws made of other steel, and the teeth will hold their set longer. These qualities in saws made from Silver-Steel make them the most popular saws in use. This has led other manufacturers to place on the market saws branded "silver-steel," made from steel that does not contain the qualities of our Silver-Steel. Beware of these imitations! We caution all dealers and sawyers to see that the brand "E. C. Atkins & Co." is on every saw.

"Silver-Steel" is Our Registered Trade Mark.

STYLES OF TEETH USED IN ATKINS CROSS-CUT SAWS.



STYLES OF TEETH—Continued.



ATKINS REGULAR PATTERN CROSS-CUT SAWS.

TRADE MARK THE ATKINS SILVER-STEEL CROSS-CUT SAWS.

They Will Out-Cut and Out-Wear Other Saws. Will Hold Their Cutting Edge in Hard Woods and Frozen Timber Where Other Saws Fail.

We are the sole users of, and control the production of, the Silver-Steel used in our saws. Silver-Steel is a fine tool steel which possesses certain qualities that are of great practical value in the production of fine fast-cutting saws. It is susceptible of a fine high temper, and saws made from it by our patent methods of manufacture will hold a keen cutting edge, doing more work without filing than can be done with saws made of other steel, and the teeth hold their set longer. In hickory and other hard woods, and frozen timber, the Silver-Steel Saws will hold a keen cutting edge where other saws fail. Beware of imitations. In purchasing saws see that the name, "E. C. Atkins & Co.," and the trade mark, Silver-Steel, is etched upon each blade.

TRADE MARK ATKINS SILVER-STEEL DIAMOND.

Diamond, List Price, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 ft.
14 x 16, 14 x 18 or 14 x 19 gauge.....\$3 10	3 60	4 10	4 80	5 60	6 40	7 30	8 30	9 30	8 00



TRADE MARK ATKINS SILVER-STEEL DEXTER. PATENT CONCAVE TOOTH. DIXIE'S FAVORITE.

The patent by which this saw is protected consists of a depression of the face of the cutting teeth through the center from point to base, thus removing all friction

Dexter, List Price, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 00
14 x 16, 14 x 18 or 14 x 19 gauge.....\$3 10	3 60	4 10	4 80	5 60	6 40	7 30	8 30	9 30	8 00



We will furnish any of our various styles and patterns of Cross-Cut Saws in 14x16 gauge or 14x18 gauge in Silver-Steel at above list, which includes handles and raker gauge.
 NOTE.—"Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS SEGMENT GROUND SAWS.

Selected Crucible Steel. Finest Workmanship and Finish.

The special attention of the trade and consumers is called to our Rex and Perfection Saws as shown in the cuts. We can assure the public that these saws are not an imitation of any other brands on the market, but are constructed in accordance with patents issued to us for original invention, and we are prepared to maintain our rights to this invention under our patents. The improvement consists in grinding away the central portion of the plate, extending from the back to within about two inches of the cutting edge, leaving the saw strong at the ends, and allowing for wear on the tooth side without making the saw thinner in the center than at the ends, and is the most perfectly constructed saw on the market.

TRADE MARK
REX

PENNSYLVANIA PATTERN.

14 GAUGE ON TOOTH EDGE. 19 GAUGE AT CENTER ON BACK EDGE.
SEGMENT-GROUND. 16 GAUGE ON ENDS ON BACK EDGE.



REX, PERFORATED.

14 GAUGE ON TOOTH EDGE. 19 GAUGE AT CENTER ON BACK EDGE.
SEGMENT-GROUND. 16 GAUGE ON ENDS ON BACK EDGE.



4 ft.	\$2 80	4 1/2 ft.	3 30	5 ft.	3 85	5 1/2 ft.	4 45	6 ft.	5 10	6 1/2 ft.	5 70	7 ft.	6 40	7 1/2 ft.	7 10	8 ft.	7 80
4 ft.	\$3 10	4 1/2 ft.	3 60	5 ft.	4 10	5 1/2 ft.	4 80	6 ft.	5 60	6 1/2 ft.	6 40	7 ft.	7 30	7 1/2 ft.	8 30	8 ft.	9 30

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

ATKINS CONCAVE TOOTH DEXTER. TRADE MARK.

Dixie's Favorite. For the Woods of the South It Has No Equal. Stands at the Head of the List of Easy, Fast Cutting Saws.

SPECIAL STEEL.

List Price, Without Handles.

	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Thin-Back, 14 x 18 gauge, or Extra Thin-Back, 14 x 19 gauge.....	\$3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40
Regular, 14 x 16 gauge.....	3 04	3 42	3 80	4 18	4 56	4 94	5 32	5 70	6 08



Notwithstanding the inferior imitations of this saw placed on the market by other manufacturers, under various names, our GENUINE DEXTER has held the market, and to-day leads all other makes of this pattern of saw. We recommend buyers and users to refuse all imitations, and when buying Cross-Cut Saws having three cutting teeth between each set of cleaning teeth, to buy and use only those saws which have our brand, "E. C. Atkins & Co." and the trade mark word Dexter and the picture of a horse plainly etched upon the saw.

NOTE.—All Cross-Cut Saws having three cutting teeth between two sets of rakers are imitations or infringements, except those having the brand "E. C. Atkins & Co." and the trade mark word Dexter and the picture of a horse.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

TRADE MARK ATKINS MOSS-BACK CROSS-CUT SAWS.

400—HUNDRED YEARS OLD—400

Patented October 15, 1889. November 14, 1893.

The evolution of the Cross-Cut Saw for the last four hundred years to the Columbian year. Embodying all the improvements in Cross-Cut Saws; practical uniformity of thickness of the toothed edge; thin back; hollow-back; stiff ends; hand brought down to line of cut; perforated blade; diamond tooth and clearer, segment-ground; high grade of steel; hard and tough temper; perfection in manufacture and finish; each saw warranted perfect in every respect.

The pattern of the tooth preferred is shown in the cut, but we make the saw perforated or not, with Diamond, Dexter, Victor, Lance, Tuttle Tooth with Diamond-Point. A trial of the saw will convince anyone of its merits.

We invite special attention to our new brand of highly finished SILVER NICKEL STEEL, manufactured expressly for these saws.



Above cut shows the Moss-Back with Lance Perforated Tooth.

TRADE MARK MOSS-BACK SAW.

List of Moss-Back Silver Nickel Steel, 14 x 18 Gauge, Without Handles. Any Style of Tooth.

4 ft.	4 10	5 ft.	4 80	6 ft.	5 60	6 1/2 ft.	6 40	7 ft.	7 30	7 1/2 ft.	8 30	8 ft.	8 30
\$3 10	3 60	4 10	4 80	5 60	6 40	7 30	8 30	9 30	9 30	8 ft.	9 30	8 ft.	9 30

List of Special Nickel Steel, 14 x 18 Gauge, without Handles. Lance and Tuttle Tooth with Diamond Point. Not Perforated.

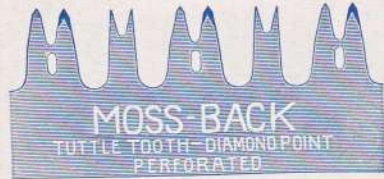
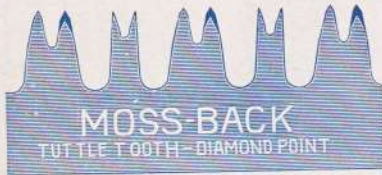
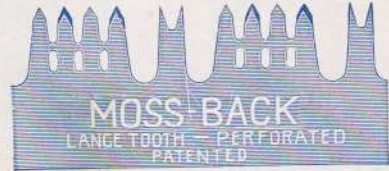
4 ft.	4 1/2 ft.	5 ft.	6 ft.	7 ft.	7 1/2 ft.	8 ft.
\$2 64	2 97	3 30	3 96	4 62	4 95	5 28

List of Special Nickel Steel, without Handles. Lance and Tuttle Tooth with Diamond Point. Perforated.

4 ft.	4 1/2 ft.	5 ft.	6 ft.	7 ft.	7 1/2 ft.	8 ft.
\$2 80	3 15	3 50	4 20	4 90	5 25	5 60

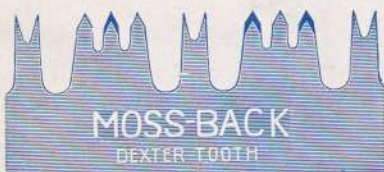
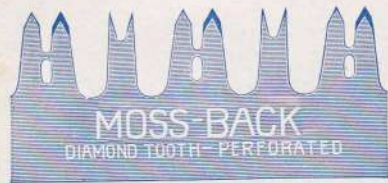
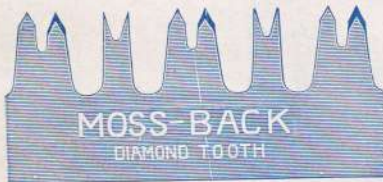
Other Styles of Teeth Made to Special Order.

TEETH USED IN OUR MOSS-BACK CROSS-CUT SAWS.



The above cuts represent the four most popular Styles of Teeth used in our Moss-Back Saws.

We can also furnish the Moss-Back Saw with following Styles of Teeth at Special Prices:



ATKINS REGULAR PATTERN CROSS-CUT SAWS.

CANADA'S FAVORITE, "THE VICTOR."

LANCE TOOTH, PERFORATED.

Patented February 12, 1884.



SPECIAL STEEL.

Victor, List Price, Special Steel, Without Handles.

Thin-Back, 14 x 13 gauge.....	\$2 80	4 ft.	3 15	4½ ft.	3 50	5 ft.	3 85	6 ft.	4 20	6½ ft.	4 55	7 ft.	4 90	7½ ft.	5 25	8 ft.	4 80
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LANCE TOOTH.



SPECIAL STEEL.

Lance, List Price, Without Handles.

Thin-Back, 14 x 18 gauge, not perforated.....	\$2 24	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Thin-Back, 14 x 18 gauge, perforated.....	\$2 40	2 70	3 00	3 00	3 30	3 60	3 90	4 20	4 50	4 80

NOTE—We can furnish any of the above saws in Silver-Steel. "Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

ATKINS IMPROVED UNIVERSAL CROSS-CUT SAWS. SPECIAL CRUCIBLE STEEL.

SEGMENT GROUND.



14 x 19 gauge, each.....	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
	\$3 28	3 84	4 45	5 11	5 82	6 48	7 24	8 00	8 76

List Price, Without Handles.

SPECIAL STEEL. THIN-BACK, 14x18 GAUGE.



List Price, Special Steel, Without Handles.

Thin-Back, 14 x 18 gauge, each	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
	\$2 48	2 79	3 10	3 41	3 72	4 03	4 34	4 65	4 96

ONE-MAN MATCHLESS SAW.

Price, each.....	3 ft.	3 1/2 ft.	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
	\$2 16	2 52	2 88	3 24	3 60	3 96	4 32	4 68	5 04	5 40	5 76

HOLLOW-BACK MATCHLESS SAW.

Price, each.....	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
	\$1 44	1 62	1 80	1 98	2 16	2 30	2 52	2 70	2 88

NOTE—We furnish any of the above saws in Silver-Steel.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

ATKINS "THIN-BACK" CAST STEEL DIAMOND.



SPECIAL STEEL.

List Price, Without Handles.

Regular Gauge, 14 x 16 gauge.....	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	7 ft.	7 1/2 ft.	8 ft.
Thin-Back, 14 x 18 gauge.....	\$2 08	2 34	2 60	2 86	3 12	3 64	3 90	4 16
	2 24	2 52	2 80	3 08	3 36	3 92	4 20	4 48

ATKINS LONE STAR.

Six-foot Blade, 5 1/2 inches wide at center. Seven-foot Blade, 6 inches wide at center.



SPECIAL STEEL.

List Price, Without Handles.

Thin-Back, 14 x 18 gauge.....	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	7 ft.	7 1/2 ft.	8 ft.
	\$2 24	2 52	2 80	3 08	3 36	3 92	4 20	4 48

NOTE.—We can furnish any of the above saws in Silver-Steel. "Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

ATKINS TUTTLE TOOTH.

TRADE
DIAMOND POINT
 MARK

ORIGINAL TUTTLE TOOTH.

THE "BEST SAW FOR THE MONEY IN THE WORLD."



SPECIAL STEEL.

List Price, Without Handles.

4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Regular gauge, 14 x 16 gauge.. \$1 84	2 08	2 30	2 54	2 76	3 00	3 22	3 46	3 68

NOTE.—We can furnish the above saw in Silver-Steel. "Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

“OUR THIN-BACK” TUTTLE TOOTH.

TRADE
DIAMOND POINT
 MARK

ORIGINAL TUTTLE TOOTH.



SPECIAL STEEL.

List Price, Without Handles.

	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Thin-Back, 14 x 18 gauge.....	\$2 00	2 26	2 50	2 76	3 00	3 26	3 50	3 76	4 00
Extra Thin-Back, 14 x 19 gauge..	2 50	2 76	3 00	3 26	3 50	3 76	4 00	4 26	4 50

NOTE.—We can furnish the above saw in Silver-Steel. “Regular Gauge” is 14 x 16 gauge. “Thin-Back” is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

AMERICAN TOOTH.



COMMON TOOTH.



FEATHER EDGE, THIN-BACK.

(14 x 18 Gauge.)

HICKORY.

Same Tooth as Feather Edge, 14 x 16 Gauge.



List of American, Common, Tennon, Feather Edge and Hickory Tooth, Without Handles.

Regular, 14 x 16 gauge.....	\$1 84	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
Thin-Back, 14 x 18 gauge.....	2 00	2 08	2 26	2 50	2 76	2 76	3 00	3 22	3 46	3 68
								3 50	3 76	4 00

NOTE.—We can furnish any of the above saws in Silver-Steel. "Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

ELECTRIC TOOTH.



SHEFFIELD TOOTH.



List of Electric and Sheffield, Without Handles.

	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
Regular, 14 x 16 gauge.....	\$1 84	2 08	2 30	2 54	2 76	3 00	3 22	3 46	3 68
Thin-Back, 14 x 18 gauge.....	2 00	2 26	2 50	2 76	3 00	3 26	3 50	3 76	4 00

NOTE.—We can furnish any of the above saws in Silver-Steel. "Regular Gauge" is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

ATKINS REGULAR PATTERN CROSS-CUT SAWS.

SINGLE HOOK.



DOUBLE HOOK.



List of Single Hook and Double Hook, Without Handles.

	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Regular, 14 x 16 gauge.....	\$1 84	2 08	2 30	2 54	2 76	3 00	3 22	3 46	3 68
Thin-Back, 14 x 18 gauge.....	2 00	2 26	2 50	2 76	3 00	3 26	3 50	3 76	4 00

NOTE—We can furnish any of the above saws in Silver-Steel. "Regular Gauge," is 14 x 16 gauge. "Thin-Back" is 14 x 18 gauge.

HOLLOW-BACK SAWS.

TUTTLE TOOTH.

HIGH-GRADE SPECIAL STEEL.

HOLLOW-BACK.



ATKINS BRAND, 3/4 INCHES WIDE.

	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Tuttle Tooth, without handles.....	\$1 12	1 26	1 40	1 54	1 68	1 82	1 96	2 10	2 24

TUTTLE TOOTH.

ATKINS BRAND, 3/4 INCHES WIDE.

	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
13 or 14 gauge.....	\$1 28	1 44	1 60	1 76	1 92	2 08	2 24	2 40	2 56
14 x 16 or 13 x 15 gauge.....	1 44	1 62	1 80	1 98	2 16	2 34	2 52	2 70	2 88

DIAMOND TOOTH.



	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Diamond Tooth, without handles.....	\$1 20	1 35	1 50	1 65	1 80	1 95	2 10	2 25	2 40

HOLLOW-BACK SAWS.

AMERICAN TOOTH.



8 ft. 2 40
7 1/2 ft. 2 25

7 ft. 2 10

6 1/2 ft. 1 95

6 ft. 1 80

5 1/2 ft. 1 65

5 ft. 1 50

4 1/2 ft. 1 35

4 ft. \$1 20

American Tooth, without handles...\$1 20

VICTOR TOOTH.



8 ft. 2 72
7 1/2 ft. 2 55

7 ft. 2 38

6 1/2 ft. 2 21

6 ft. 2 04

5 1/2 ft. 1 87

5 ft. 1 70

4 1/2 ft. 1 53

4 ft. 1 36

Victor Tooth, 3 inches wide, without handles.....\$1 36

Victor Tooth, 3 3/4 inches wide, 14 gauge, without handles..... 1 44

Victor Tooth, 3 3/4 inches wide, 14 x 16 gauge, without handles. 1 60

ATKINS ONE-MAN CROSS-CUT SAW.

CEDAR KING.

FINEST ONE-MAN SAW MADE.

In placing our Cedar King One-Man Saws on the market, it is our intention to furnish a One-Man Saw suitable for the use of high-grade mechanics, for cutting fence posts, or logs for telegraph poles and similar uses.

In the first place, the shape of the blade is such as to give the stiffness to the saw exactly where it belongs, on the same principle as the hand saw; namely, the point of the saw is made light, so that the blade can be easily handled, and the butt of the saw is made stiff and firm, to resist all force of the pressure while the saw is in the cut.

Second, the saw is ground on the same principle as any other hand saw, with a uniform gauge on the tooth edge and a gradual taper from the tooth edge to the back throughout the entire length of the blade, there also being a taper on the back from the point to the butt.

Third, the teeth on the saw are designed for rapid and easy cutting. It has been clearly demonstrated by years of manufacture and use of Cross-Cut Saws, that the fastest and most lasting teeth is the diamond-shaped point. This diamond-shaped point has been carried out in the Cedar King Saw, and we have added to this diamond-shaped point another feature that is of considerable importance in letting the saw run freely and cut fast with very little set; that is, the finish on the faces of the cutting teeth.

The rakers in this saw are adapted to be swaged easily and are shaped so that they will reserve their usefulness until the saw is worn out. We make this saw of a better quality of steel than is put in any other One-Man Saw now on the market.



Skew-Back. Rex Pattern Tooth.
Swaged Raker Teeth.
Carved Handle. Improved Pattern.

3 ft.	3 1/2 ft.	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6ft.
.....\$2 40	.....2 80	.....3 20	.....3 60	.....4 00	.....4 40	.....4 80

ATKINS ONE-MAN CROSS-CUT SAWS.

WITH EITHER STYLE OF HANDLES.

TUTTLE TOOTH.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Tuttle Tooth.....	\$1 80	2 10	2 40	2 70	3 00	3 30	3 60

Either Style Handle.

Handle illustrated on this Saw is the Hand-Saw Handle, or One-Man Saw Handle No. 2.

TUTTLE TOOTH.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Tuttle Tooth.....	\$1 80	2 10	2 40	2 70	3 00	3 30	3 60

Either Style Handle.

Handle illustrated on this Saw is the Atkins One-Man Saw Handle No. 1.

THE AMERICAN TOOTH.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
American Tooth....	\$1 80	2 10	2 40	2 70	3 00	3 30	3 60

Either Style Handle.

ATKINS ONE-MAN CROSS-CUT SAWS.

VICTOR TOOTH.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Victor Tooth, Perforated.....	\$1 92	2 24	2 56	2 88	3 20	3 52	3 84

Either Style Handle.

Handle illustrated on this Saw is the Hand Saw Handle or One-Man Saw Handle No. 2.

DIAMOND TOOTH.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Diamond Tooth.....	\$1 80	2 10	2 40	2 70	3 00	3 30	3 60

Either Style Handle.

AMERICAN TOOTH SKEW-BACK.



	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
American Tooth.....	\$1 98	2 31	2 64	2 97	3 30	3 63	3 96

SILVER-STEEL ONE-MAN SAWS.

	3 ft.	3½ ft.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Any pattern or style of tooth.....	\$3 00	3 50	4 00	4 50	5 00	5 50	6 00

Cross-Cut Saws for the Pacific Coast

We have been making a specialty of Cross-Cut Saws for use on the Pacific Coast a great many years, and we defy competition to produce saws that are as perfect as those bearing our name.

We make several patterns suitable for different localities and the peculiar nature of the various timbers—these patterns being the result of years of constant study to please the users with saws that will cut rapidly and run with ease. Our vast growing trade on this line of saws on the Coast is sufficient evidence of the superiority of our goods.

We respectfully solicit trade on these saws, either direct or through our several jobbing agencies, located in all the principal cities of the Coast. We carry a full line at our Pacific Coast Branches, at Portland, Oregon; San Francisco, California, and Seattle, Washington, where orders may be sent for prompt execution.

We call attention to some of our leading patterns of teeth:

Occident,

Pacifico,

Tyee,

Dexter,

Lance,

Howatson,

Pacific Star,

Perfection,

Clincher,

Diamond,

Worden,

Redwood King.

SPECIAL PATTERN FOR PACIFIC COAST.

THE WORDEN.

THIS SAW IS DESIGNED FOR HEAVY WORK IN LARGE TIMBERS.

It is somewhat lighter than our "Pacífico," though similar in style, and has proven very satisfactory wherever used. While the "Worden" is a comparatively new candidate for favor, it has already grown immensely popular.

Patent Ground. Perfectly Tempered and Fitted. Fully Warranted.



PRICES QUOTED
 ON APPLICATION!

	List Price, Without Handles.											
4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 1/2 ft.	9 ft.	9 1/2 ft.	10 ft.
\$4 00	4 50	5 00	5 50	6 00	6 50	7 00	7 50	8 00	10 20	10 80	11 40	12 00

NOTE.—We furnish this saw in Silver-Steel when desired. Prices quoted on application.

SPECIAL PATTERN FOR PACIFIC COAST.

THE TYEE.

A NEW HIGH-GRADE SAW.

Ground by Our Patented SEGMENT Process, Which is Exclusively Controlled by Us. An Improved Saw that is Rapidly Becoming a Favorite Where Fast Cutting, Easy-Running Saws are Appreciated. High Tough Temper. Special Crucible Steel. A Thorough Test of this Saw will Demonstrate that it Possesses Great Merits.

NEW PATTERN TEETH.



PRICES QUOTED
ON APPLICATION.

List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
\$3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40

NOTE—We furnish this saw in Silver-Steel when desired. Prices quoted on application.

SPECIAL PATTERNS FOR PACIFIC COAST.

ATKINS CELEBRATED DEXTER.

SPECIAL PACIFIC COAST PATTERN.

The patent by which this saw is protected consists of a depression of the face of the cutting teeth through the center from point to base, thus removing all friction while in use, giving strength and stiffness to the teeth, and increasing threefold the durability of the "set." This saw never fails to give the best of satisfaction.



List Price, Special Steel, Without Handles.

Thin-Back, 14 x 18 gauge.....	\$3 20	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
			3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40

CLINCHER.



List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
\$2 80	3 15	3 50	3 85	4 20	4 55	4 90	5 25	5 60

NOTE.—We furnish the above saws in Silver-Steel when desired. Prices quoted on application.

SPECIAL PATTERN FOR PACIFIC COAST.

STAR OF THE WEST.

THE LATEST PATTERN SAW FOR FELLING TIMBER.

There is a large and growing demand for a good saw for felling timber. We have met this demand in the introduction of our Star of the West, a saw that is at once narrow and stiff. Can be used in small timber without bending, and will stand crowding and not buckle.

Ground by our Patented SEGMENT Process, which is Exclusively Controlled by Us. The Most Improved Design Extant. High Grade Steel. Fully Warranted. Perfectly Fitted for Use. Made for Experts.

Width of 7-foot blade at center, 5 1/4 inches. Width of 8 1/2-foot blade at center, 6 inches.



PRICES QUOTED ON APPLICATION.

PACIFIC STAR.



	List Price, Star of the West and Pacific Star, Special Steel, Without Handles.												
	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 1/2 ft.	9 ft.	9 1/2 ft.	10 ft.
12 x 17 gauge.....	\$4 00	4 50	5 00	5 50	6 00	6 50	7 00	7 50	8 00	10 20	10 80	11 40	12 00

NOTE.—We furnish the above saws in Silver-Steel when desired. Prices quoted on application.

SPECIAL PATTERNS FOR PACIFIC COAST.

THE HOWATSON.

ONE OF OUR MOST POPULAR FELLING SAWS.

NEW PATTERN TEETH.

Ground by Our Patented Segment Process, which is Exclusively Controlled by Us. Narrow and Stiff. Patent Gas Temper. Fully Warranted.



List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 1/2 ft.	9 ft.	9 1/2 ft.	10 ft.		
12 x 17 gauge	\$4 00	4 50	5 00	5 50	6 00	6 50	7 00	7 50	8 00	10 20	10 80	11 40	12 00

THE PERFECTION.

Ground by Our Patented SEGMENT Process, which is Exclusively Controlled by Us.



List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
\$3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40

NOTE.—We furnish the above saw in Silver-Steel when desired. Prices quoted on application.

PRICES QUOTED ON APPLICATION.

SPECIAL PATTERNS FOR PACIFIC COAST.

ATKINS REDWOOD KING.

This Saw is Especially Adapted for "Bucking" and is the Most Satisfactory Ever Put on the Market for the Purpose.

4 9-16 Inches Wide at Each End. 7 Inches Wide at Center with 1-4-Inch Bow on Back.



List Price, Without Handles.

7 ft.	7 1/2 ft.	8 ft.	8 1/2 ft.	9 ft.	9 1/2 ft.	10 ft.
\$7 00	7 50	8 00	8 50	12 15	12 85	15 00

The approximate weights, of different gauges, of an 8 foot saw are as follows: 12 x 17 gauge, 13 1/2 pounds. 11 x 16 gauge, 14 pounds. 10 x 16 gauge, 14 3/4 pounds. 10 x 15 gauge, 15 1/2 pounds. Weights of other lengths and gauges in proportion.

MADE IN U.S.A.
 ON APPLICATION.

REDWOOD FALLING SAW.



All Sizes are Ground 12 x 16 Gauge. Straight on Back.

Length.....	8 ft.	10 ft.	12 ft.	14 ft.	16 ft.	18 ft.
Ends.....	3 3/8 in.	3 3/4 in.	4 1/8 in.	4 1/2 in.	4 1/2 in.	4 1/2 in.
Center.....	6 in.	6 1/4 in.	6 3/8 in.	7 in.	7 1/2 in.	7 1/2 in.
List price, without handles.....	\$8 00	15 00	18 00	21 00	24 00	27 00

SPECIAL PATTERNS FOR PACIFIC COAST.

CROSS-CUT SAWS TOOTHED TO END OF BLADE.

TRADE MARK. **VICTOR.**

LANCE TOOTH, PERFORATED.



List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
Thin-Back, 14 x 18 gauge.....\$2 40	2 70	3 00	3 39	3 60	3 90	4 20	4 50	4 80

LANCE TOOTH.

NOT PERFORATED.



List Price, Special Steel, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
Thin-Back, 14 x 18 gauge.....\$2 24	2 52	2 80	3 08	3 36	3 64	3 92	4 20	4 48

NOTE—We furnish any of the above saws in Silver-Steel when desired. Prices quoted on application.

PRICES QUOTED ON APPLICATION. PRICES QUOTED ON APPLICATION.

SPECIAL PATTERNS FOR PACIFIC COAST.

ATKINS DIAMOND.

WELL KNOWN WHEREVER SAWS ARE USED.



List Price, Special Steel, Without Handles.

Thin-Back, 14 x 18 gauge.....	\$2 24	4 ft.	2 52	5 ft.	2 80	5 1/2 ft.	3 08	6 ft.	3 36	6 1/2 ft.	3 64	7 ft.	3 92	7 1/2 ft.	4 20	8 ft.	4 48
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ATKINS TUTTLE TOOTH.

THE "BEST SAW FOR THE MONEY IN THE WORLD."
THE ORIGINAL TUTTLE TOOTH.

TRADE MARK.
DIAMOND POINT.



List Price, Special Steel, Without Handles.

Thin-Back, 14 x 18 gauge.....	\$2 24	4 ft.	2 52	5 ft.	2 80	5 1/2 ft.	3 08	6 ft.	3 36	6 1/2 ft.	3 64	7 ft.	3 92	7 1/2 ft.	4 20	8 ft.	4 48
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NOTE.—We furnish the above saws in Silver-Steel when desired. Prices quoted on application.

SPECIAL PATTERNS FOR EXPORT TRADE.

AUCKLAND PATTERN.

SAWS OF OUR MANUFACTURE FOR EXPORT TRADE.

**Special Crucible Tool Steel. Gas Temper. Expert Workmanship. Fine Finish.
Every Saw Warranted. Made Special to Meet Export Demand.**



Space of teeth, 6 to 7½ feet, 1 inch; 8 to 10 feet, 1¼ inch. Space between sections of teeth, 2¼ inches.

ABOVE CUT REPRESENTS AUCKLAND PATTERN No. 15.



Space of teeth, 6 and 6½ feet, 1 inch; 7 feet, 1½ inches; 7½ feet, 1¼ inches; 8 and 8½ feet, 1¾ inches; 9 to 10 feet, 1½ inches.
Space between sections of teeth, 2½ inches.

ABOVE CUT REPRESENTS AUCKLAND PATTERN No. 7.

List Price of No. 15 and 7, Without Handles.

5 ft.	3 00	5½ ft.	3 30	6 ft.	3 60	6½ ft.	3 90	7 ft.	4 20	7½ ft.	4 50	8 ft.	4 80	8½ ft.	5 61	9 ft.	5 94	9½ ft.	6 27	10 ft.	6 60
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SPECIAL PATTERNS FOR EXPORT TRADE.

AUCKLAND PATTERNS.



Space of teeth, 6 and 6½ feet, 1 inch; 7 to 10 feet, 1¼ inch. Space between sections of teeth, 2 inches.

ABOVE CUT REPRESENTS AUCKLAND PATTERN No. 8.

List Price, Without Handles.

5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.	8½ ft.	9 ft.	9½ ft.	10 ft.
\$3 00	3 30	3 60	3 90	4 20	4 50	4 80	5 61	5 94	6 27	6 60



Space of teeth, all sizes, 1¼ inches. Space between sections of teeth, 2¾ inches.

ABOVE CUT REPRESENTS AUCKLAND PATTERN No. 9.

List Price, Without Handles.

5 ft.	5½ ft.	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.	8½ ft.	9 ft.	9½ ft.	10 ft.
\$3 00	3 30	3 60	3 90	4 20	4 50	4 80	5 61	5 94	6 27	6 60

SPECIAL PATTERNS FOR EXPORT TRADE.

AUCKLAND PATTERN.



Space of teeth in 5 foot saws, 1 inch. All other sizes $1\frac{1}{4}$ inches. Space between sections of teeth $1\frac{1}{4}$ inches.

ABOVE CUT REPRESENTS AUCKLAND PATTERN NO. 10.

List Price, Without Handles.

5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.	8 1/2 ft.	9 ft.	9 1/2 ft.	10 ft.
\$3 00	3 30	3 60	3 90	4 20	4 50	4 80	5 61	5 94	6 27	6 60

TASMANIAN PATTERN.



ABOVE CUT REPRESENTS TASMANIAN PATTERN.

List Price, Without Handles.

4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
\$2 40	2 70	3 00	3 30	3 60	3 90	4 20	4 50	4 80

TABS FOR CROSS-CUT SAWS.

LARGE AUCKLAND TABS.



List price, per dozen, \$2.55.

SMALL AUCKLAND TABS.



List price, per dozen, \$1.80.

COMMON EARS.



List price, per dozen, 45c.
Handles for common ears, pair, 4c.

ATKINS RUSSIAN PATTERN SAWS. CROSS-CUT SAWS.



14 Gauge.....	3 ft.	4 ft.	4½ ft.	5 ft.
15 ".....	1 40	1 60	1 80	2 00
16 ".....	1 14	1 52	1 71	1 90
17 ".....	1 08	1 44	1 62	1 80
	1 02	1 36	1 53	1 70

Saws over 5 feet long, not heavier than 14 gauge, list price 50 cents per foot.

GANG SAW.



Gauge.....	10	11	12	13	14	15
4½ inches wide.....	\$0 66	64	62	60	58	56
5 ".....	69	67	65	63	61	59
6 ".....	74	72	70	68	66	64
7 ".....	79	77	75	73	71	69
8 ".....	84	82	80	78	76	74

Regular Russian pattern Pit Saws are 12 inches wide at butt, 4 inches wide at point, 13 gauge. See illustration and price list, page 57.



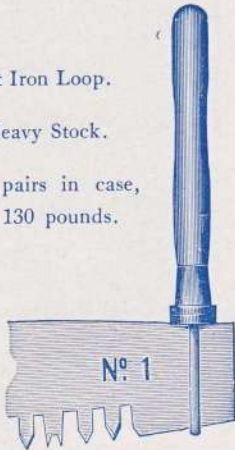
Fac simile of etching put on one side of Russian Cross-Cut, Gang and Pit Saws.

ATKINS PATENT CROSS-CUT SAW HANDLES.

Wrought Iron Loop.

Extra Heavy Stock.

Packed 50 pairs in case,
weighing 130 pounds.



No. 1. Loop Handle.

List price, per pair, 36c.

Selected Stock.

All Malleable Iron.

Very Strong and Quick
Acting.

Packed 50 pairs in barrel,
weighing 135 pounds.

Showing Handle Reversed.



No. 2. Reversible Handle.

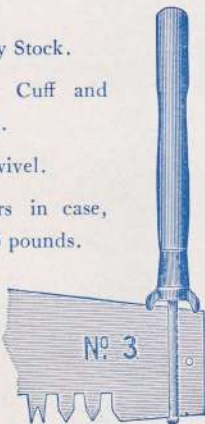
List price, per pair, 30c.

Extra Heavy Stock.

Malleable Iron Cuff and
Loop.

Patent Swivel.

Packed 50 pairs in case,
weighing 115 pounds.



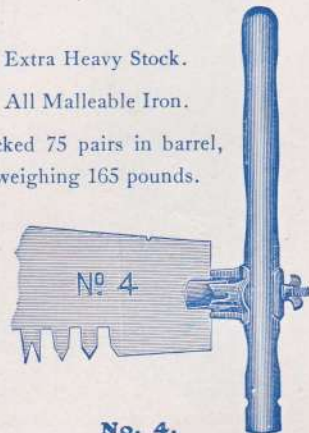
No. 3. Loop Handle.

List price, per pair, 24c.

Extra Heavy Stock.

All Malleable Iron.

Packed 75 pairs in barrel,
weighing 165 pounds.



No. 4.

Dexter Reversible Handle.

List price, per pair, 30c.

ATKINS PATENT CROSS-CUT SAW HANDLES.

Loop and Bracket.
All Malleable Iron.
Packed 50 pairs in
barrel, weighing
135 pounds.



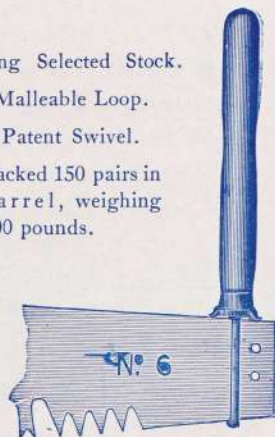
No. 5. Loop Handle.

List price, per pair, 30c.

Strong Selected Stock.

Malleable Loop.
Patent Swivel.

Packed 150 pairs in
barrel, weighing
200 pounds.



No. 6. Loop Handle.

List price, per pair, 16c.

Selected Stock.

Malleable Clasp.

Our Exclusive Pattern.

Packed 100 pairs in barrel,
weighing 160 pounds.



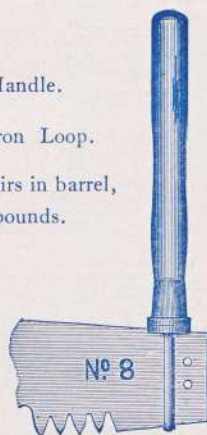
No. 7. Reversible Handle.

List price, per pair, 15c.

Heavy Handle.

Malleable Iron Loop.

Packed 100 pairs in barrel,
weighing 200 pounds.



No. 8. Loop Handle.

List price, per pair, 20c.

ATKINS PATENT CROSS-CUT SAW HANDLES.

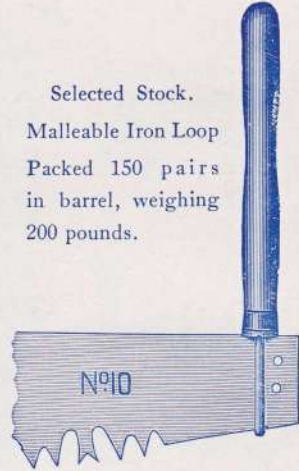
All Malleable Iron.
Packed 50 pairs in
barrel, weighing
135 pounds.



No. 9. Loop Handle, Reversible.

List price, per pair, 30c.

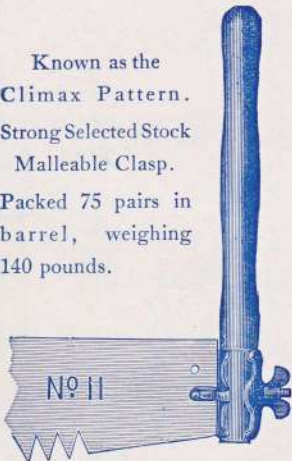
Selected Stock.
Malleable Iron Loop
Packed 150 pairs
in barrel, weighing
200 pounds.



No. 10. Loop Handle.

List price, per pair, 14c.

Known as the
Climax Pattern.
Strong Selected Stock
Malleable Clasp.
Packed 75 pairs in
barrel, weighing
140 pounds.



No. 11. Reversible Handle.

List price, per pair, 15c.

A Solid Iron Combination
Plug and Nut with
Lugs. It won't Twist.
You can Screw the Handle
Tight Without Breaking it.
A Strictly High-Grade
Handle, containing Special
Features found in no other.
The Latest and Best on
the Market.

Packed 50 pairs in
case, weighing
125 pounds.



No. 12. Loop Handle.

List price, per pair, 40c.

ATKINS PATENT CROSS-CUT SAW HANDLES.

Wrought Iron Loop
 without Washer.

Has no glued-up plug.

Packed 150 pairs in barrel,
 weighing 200 pounds.



No. 13 X. Loop Handle.

List price, per pair, 30c.

Specially adapted to the
 Pacific Coast.

Malleable Guard.

Machine Steel Bolt.

Heavy Strong Stock.

Packed 50 pairs in case,
 weighing 175 pounds.



No. 14. Reversible Handle.

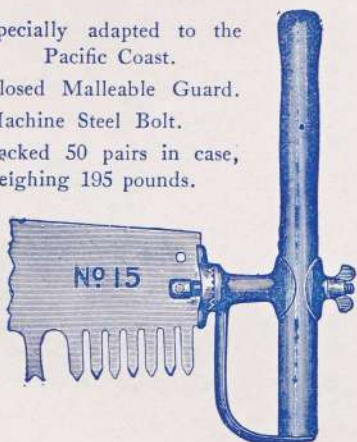
List price, per pair, \$1.00.

Specially adapted to the
 Pacific Coast.

Closed Malleable Guard.

Machine Steel Bolt.

Packed 50 pairs in case,
 weighing 195 pounds.



No. 15. Reversible Handle.

List price, per pair, \$1.00.

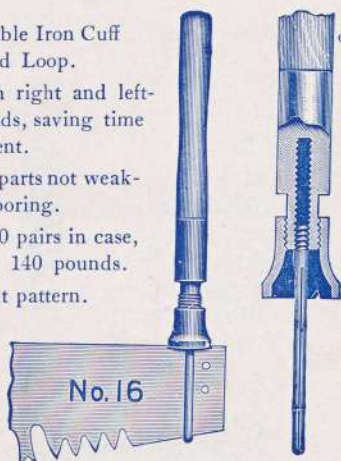
Malleable Iron Cuff
 and Loop.

Fitted with right and left-
 hand threads, saving time
 in adjustment.

Wooden parts not weak-
 ened by boring.

Packed 50 pairs in case,
 weighing 140 pounds.

Light pattern.



No. 16. Loop Handle.

List price, per pair, 50c.

No. 17. Loop Handle.

Same style as No. 16. Heavy pattern. Packed, 50 pairs in case, weighing 140 pounds.

List price, per pair, 55c.

ATKINS PATENT CROSS-CUT SAW HANDLES.

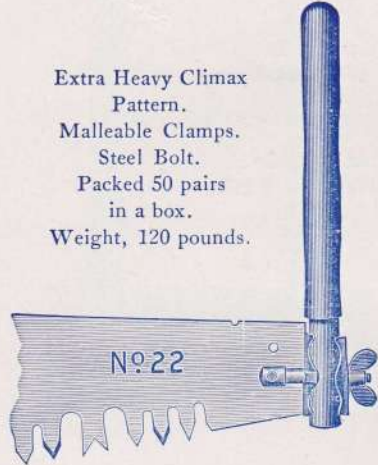
Very strong and light.
Wrought Iron Loop.
Packed 50 pairs
in a box.
Weight, 100 pounds.



No. 20. Loop Handle.

List price, per pair, 36c.

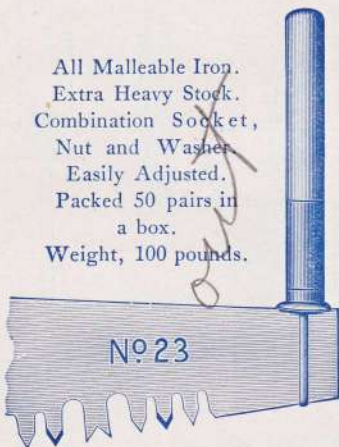
Extra Heavy Climax
Pattern.
Malleable Clamps.
Steel Bolt.
Packed 50 pairs
in a box.
Weight, 120 pounds.



No. 22. Reversible Handle.

List price, per pair, 55c.

All Malleable Iron.
Extra Heavy Stock.
Combination Socket,
Nut and Washer.
Easily Adjusted.
Packed 50 pairs in
a box.
Weight, 100 pounds.



No. 23. Loop Handle.

List price, per pair, 60c.



**Supplementary
Handle for
One-Man Saws.**

List price, per dozen
handles, \$1.75.



**One-Man Saw
Handle No. 1.**

List price, per dozen,
\$6.00.



**One-Man Saw Handle
No. 2.**

List price, per dozen, \$3.00.

Saw Screws Extra.

Atkins Saw Tools

As in everything else that we manufacture, we have taken the lead in making Tools suitable for fitting Cross-Cut, Hand and other Saws in a proper manner, so that they will do satisfactory work. So marked has been our success in the tool line that within the last few years several manufacturers have been trying to beguile the trade with base imitations, claiming that their tools would do the work "as well as the 'ATKINS.'"

We refer particularly to our:

"EXCELSIOR,"

"PERFECTION,"

"DIAMOND,"

"LEADER," ,

"DEXTER" AND

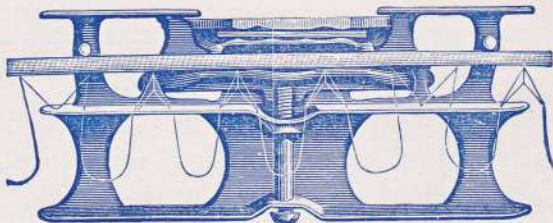
"CRITERION"

Tools, as illustrated in the following pages. These tools are all made under letters patent, and are of highest grade material and workmanship. We guarantee that there is nothing else on the market that can equal them for efficiency in rapid and correct work.

We invite the careful attention and scrutiny of the trade to this subject, believing that it will be found, by comparing our tools with any of the imitation tools, that there will be no question in the minds of every one as to the superiority of the ATKINS Tools.

PERFECTION SAW TOOLS.

The PERFECTION set of tools comprises a combined Jointer, Raker Tooth Gauge and Side File, Tooth Set Gauge, a No. 1 Criterion Saw Set and a fine Steel Hammer specially adapted to use with the Criterion Set. The Combined Jointer, Raker Tooth Gauge, Side File and No. 1 Criterion Set, makes the most complete set of Saw Tools ever offered to the public. It is PERFECTION.



Jointer.

Price, per dozen sets, \$20.00.

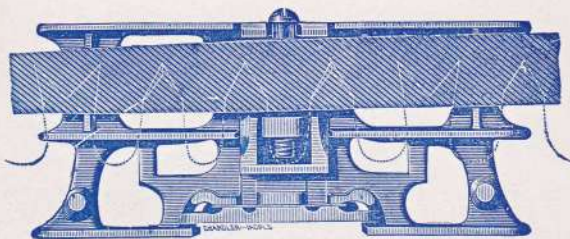
15.00



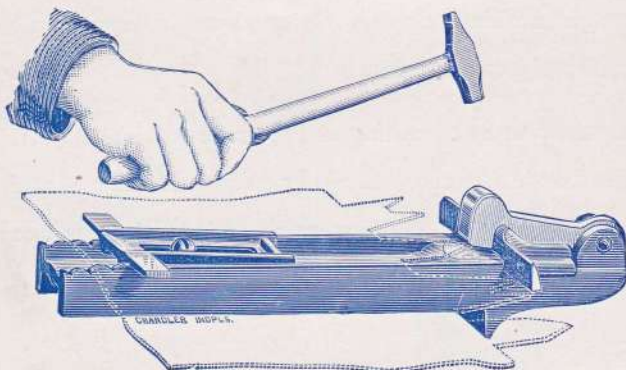
Raker Tooth Gauge.



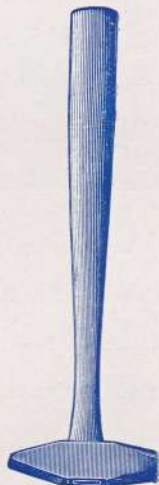
Tooth Set Gauge.



Side File.



No. 1 Criterion Saw Set.



Hammer.

ATKINS "REX" COMBINED SAW TOOL.

This saw tool combines a jointer, slotted plate for adjusting the length of the raker teeth and a gauge for adjusting the swage of the raker teeth in cross-cut saws.

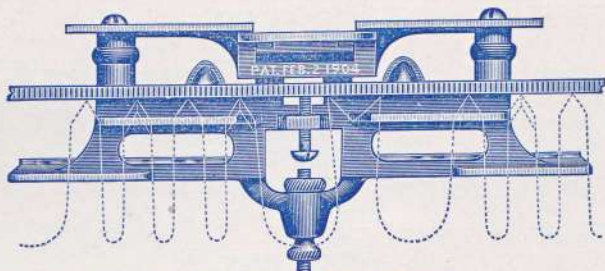


Fig. 1. Jointing the Teeth.

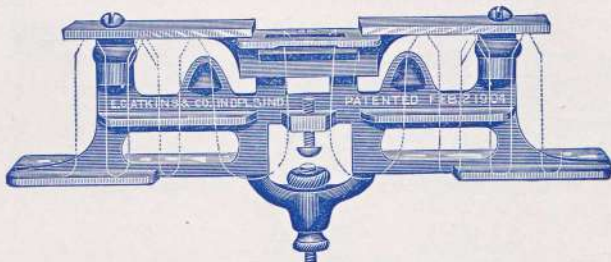


Fig. 2. Adjustment for Shortening Rakers.

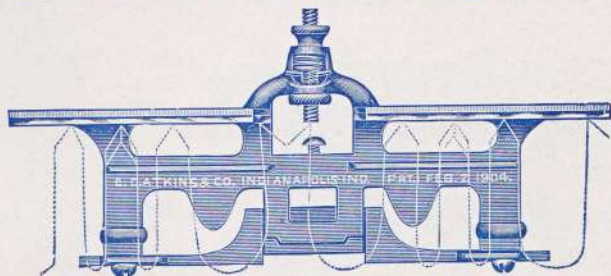


Fig. 3. Gauging the Swaged Rakers.

DIRECTIONS FOR USE.

In fitting the saws the teeth should first be jointed or made uniform in length. To accomplish this place a 9-inch file in the jointer as shown in the cut and by means of the screw tighten the file in place and pass it lightly over the points of the teeth until it touches the shortest tooth. If the cleaner or drag teeth are to be shortened, place the tooth gauge over the cleaner or drag teeth as indicated in the cut and file them down to the gauge, afterward filing them squarely across to a point as desired. If it is desired merely to swage the point of the rakers this may be done with a light blow of the hammer on the extreme point of the raker teeth, (though for this purpose we strongly recommend our Raker Tooth Swage, a very simple, cheap, but effective device) and the relative position of this point may be accurately gauged by the application of the swaging gauge as shown in the cut.

The sides of this tool, to which are fastened two pieces of glass, make a very satisfactory straight edge to determine the relative position of the points of the various cutting teeth.

List price, per dozen, \$12.00
Put up in a neat cardboard box.

ATKINS PATENT EXCELSIOR SAW TOOLS No. 1.

WITH IMPROVED PATTERN SET BLOCK.

List price, per dozen, \$9.00.

**OVER A MILLION
 SETS SOLD.**

This set of tools comprises a combined Jointer, Raker Tooth Gauge and Side File, a patented Channeling Set Block and a Set Gauge. The No. 1 Excelsior Tool differs from the No. 2 only in the Setting Block, the Improved Channeling Set Block being included with the No. 1, and the Original Pattern Set Block with the No. 2.

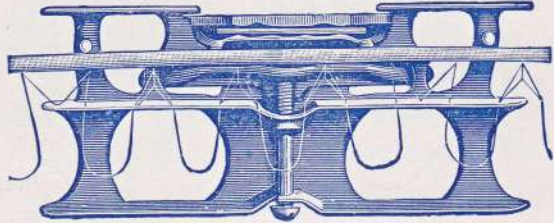


Fig. 1. Jointer.



Fig. 2. Raker Tooth Gauge.

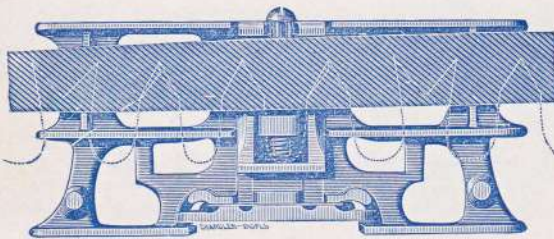


Fig. 3. Side File.

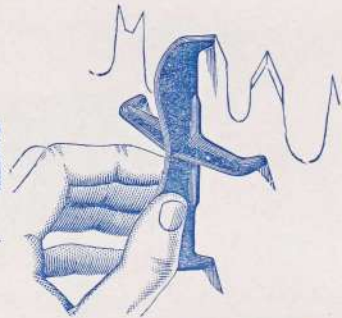


Fig. 4. Tooth Set Gauge.

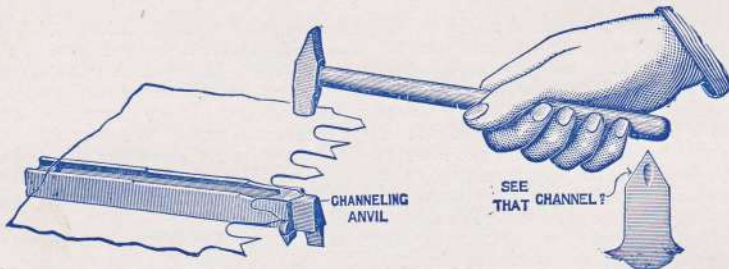
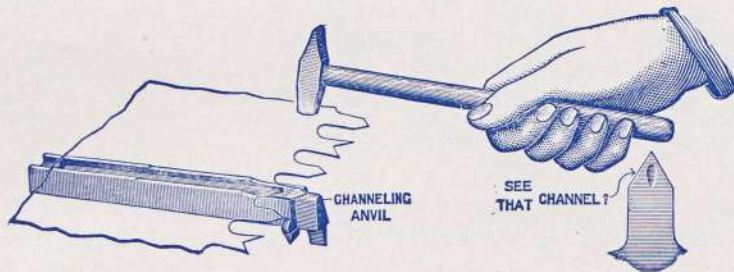


Fig. 5. Channeling Set Block.

Put up one set complete in a neat pasteboard box with full directions for use.

ATKINS PATENT EXCELSIOR SAW TOOLS No. 1.



DIRECTIONS FOR USE.

In fitting a saw, the teeth should first be jointed, or made uniform in length. To accomplish this, place a nine-inch file in the Jointer, as shown in cut, and by means of the large screw, spring it to suit the curve of the saw, and pass it lightly over the points of the teeth until it touches the shortest tooth; then place the tooth gauge over the cleaner drag teeth, as indicated in cut, and file them down to the gauge. Now, if the saw requires setting, lay the setting block on a log with a place leveled to receive it, or end of a block of wood, and lay the saw upon the setting block so that the point of the tooth to be set projects over the apex of the beveled surface fully one-quarter of an inch, bringing the point of tooth to the position as shown in the cut.



Tooth Set Gauge.

The tooth being in position, give two or three strokes with a light hammer on the sides of the tooth, over the apex, fully one-quarter of an inch from the point, which will usually give the required set. Then move tooth forward over the bevel or Channelling Block, and strike the tooth a sharp blow directly over the point. This will make a slight depression below the point of the tooth, which serves to keep the cutting edges flush, thus giving them greater cutting power and relieves the pressure on back of the tooth. Regulate the set by gauging each tooth with the tooth-

gauge; take it in the left hand and place it against the side of the saw. (See cut.) The point on the short end indicates the least set, and the point on long end indicates a little more set.

The side file should be used to remove any feather-edge or burr left in filing, and even the set perfectly. This can be done when the saw is in the vise or filing clamp. Place an eight-inch mill bastard file in the recess on the side file; tighten the screws holding the file. Be particular that the saw is placed firmly in the clamp. Pass the center of the file lightly against the teeth until the burr is removed and the set evened up. Care should be exercised not to use the side file more than is necessary to remove the feather-edge and even up the set.

The wrench may be used to lessen the set if necessary, but should never be used to set the teeth. This should be done only with a hammer upon the setting block, or any hard and slightly beveled surface.

Notice carefully the manner in which the saw is filed when new, and file nearly as possible in the same manner.

To secure the best results, our Diamond Tooth (both Silver-Steel and Special Steel) and Dexter Saws should be sharpened after being set.

ATKINS PATENT EXCELSIOR SAW TOOLS No. 2.

WITH ORIGINAL PATTERN SET BLOCK.

This set of tools comprises the best quality combined Jointer, Raker Tooth Gauge and Side File, nicely finished and made true and correct in every particular, in every way the same as furnished with No. 1 Excelsior. It also includes a plain, but good quality of Set Block, together with Set Gauge. The only difference between the No. 1 and No. 2 Excelsior Saw Tools is in the Set Block, which is slightly cheaper in the No. 2 Combination.

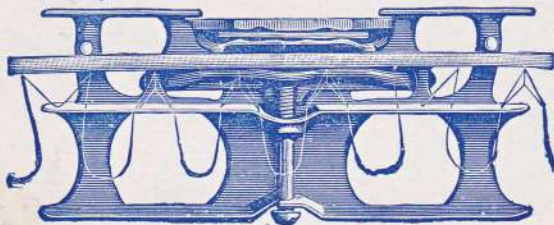


Fig. 1-Jointer.

Figure 2 shows the use of the Combination Tool as a Jointer. Any worn file (9-in. preferred) will answer.



Fig. 2-Raker Tooth Gauge.

Figure 2 shows its use for shortening the rakers to the proper length.

Fig. 3-Side File.

Figure 3 shows its use as a Side File, to render the set exact and remove the feather edge produced by filing.



**Fig. 4
Setting
Block.**

Figure 4 illustrates the manner of using the Setting Block. The hammer is not furnished, but will be supplied at 25c; 10c extra if mailed.



List price \$8.00 per dozen.



Fig. 5-Tooth Set Gauge.

Figure 5 illustrates the Set Gauge. The point on the short end indicates a set suitable for dry and hard wood. The point on the long end for green and soft timber.

Put up one set complete in neat pasteboard box with full directions for use.

ATKINS PATENT DIAMOND TOOL.

List, per dozen, \$8.00.

This is one of our recent inventions, and is a self-contained tool, requiring no screw-driver. It is a marvel of ingenuity and is guaranteed to give entire satisfaction. This tool is furnished either separately or in sets, including a Set Block and Set Gauge, similar to those sold with the Excelsior No. 2 set.

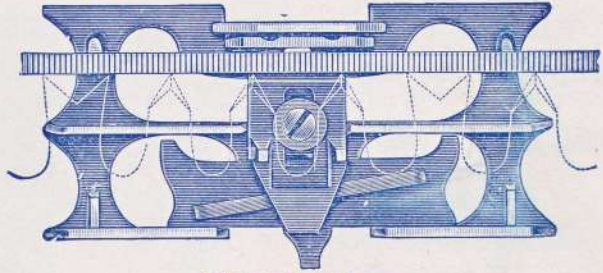


Fig. 1—Jointer.

Figure 1 shows the Tool used as a Jointer, the file being firmly held by a sliding devise.



Fig. 2—Raker Tooth.

Figure 2 shows its use for shortening the rakers to the proper length.



Fig. 5—Tooth Set Gauge.

Figure 5 illustrates the Set Gauge. The point on the short end indicates a set suitable for dry and hard wood. The point on the long end for green and soft timber.

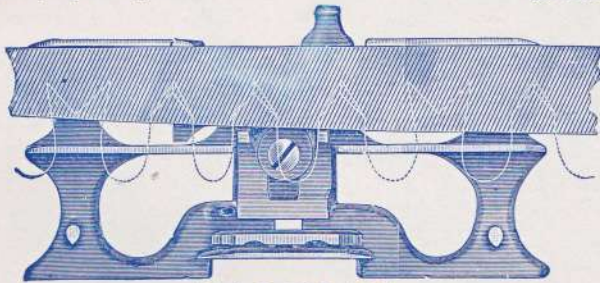


Fig. 3—Side File.

Figure 3 shows its use as a Side File, the sliding device operating to engage the file on its edges at any desired angle.



Fig. 4—Setting Block.

Figure 4 illustrates the manner of using the Setting Block. The hammer is not furnished, but will be supplied at a slight additional price if desired.

Directions accompany each tool.

Put up one set complete in a neat pasteboard box, with full directions for use.

ATKINS PATENT LEADER SAW TOOLS.

List, per dozen, \$8.00.

This set consists of our new "Leader" Combined Jointer, Raker Tooth Gauge and Side File; in connection with the Setting Block and Set Gauge, the same as in our well-known Excelsior Set No. 1. The features of the combined tool, although somewhat different from the Excelsior, are easily understood and the same instructions will apply to both.

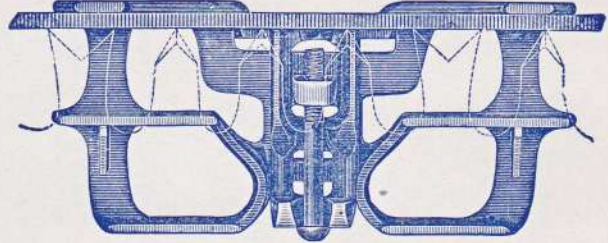


Fig. 1—Jointer.

Figure 1 shows the use of the Combination Tool as a Jointer. Any worn file (9-inch preferred) will answer.



Fig. 2—Raker Tooth Gauge.

Figure 2 shows its use for shortening the rakers to the proper length.

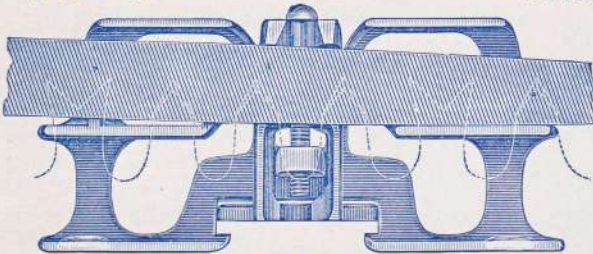


Fig. 3—Side File.



Fig. 5—Tooth Set Gauge.

Figure 5 illustrates the Set Gauge. The point on the short end indicates a set suitable for dry and hard wood. The point on the long end for green and soft timber.

Figure 3 shows its use as a Side File, to render the set exact and remove the feather edge produced by filing.

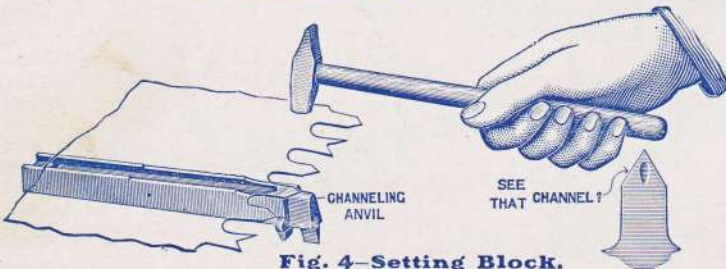


Fig. 4—Setting Block.

Figure 4 illustrates the manner of using the Setting Block. The hammer is not furnished, but will be supplied at 25 cents; 10 cents extra if mailed.

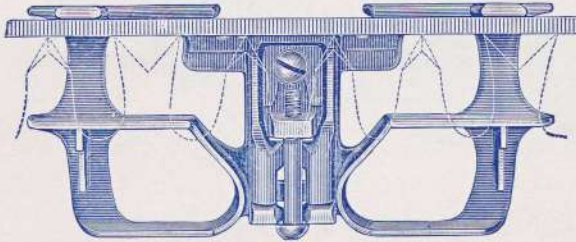
Put up one set complete in a neat pasteboard box, with full directions for use.

DEXTER SAW TOOL.

(Patented December 3, 1889.)

Raker Tooth Gauge, Jointer and Side File Combined in One Tool.

Price, per dozen, \$6.50.

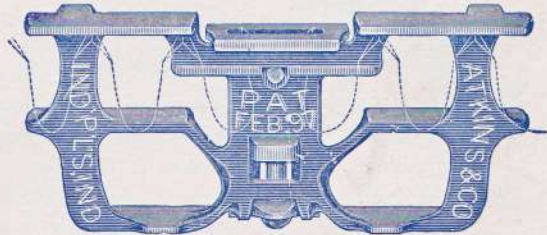


Jointer.

screw, which will spring the file to suit the curve of the saw. Pass the file lightly over the points of the teeth until it touches the shortest tooth.

TO GAUGE THE RAKERS.

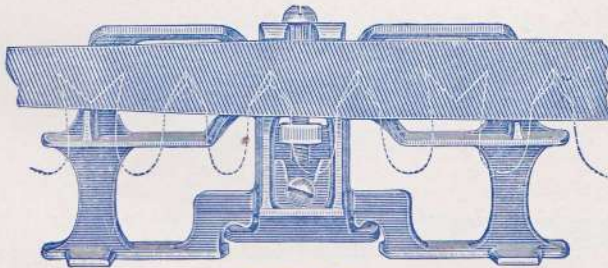
The gauge plate is made adjustable, and can be set to joint the Rakers for hard or soft wood. Place the tooth gauge over the clearer drag teeth, as indicated in cut, and file them down to the gauge.



Raker Tooth Gauge.

TO SET THE TEETH.

Fine, high-tempered Cross-Cut Saws should never be set with a spring set. A beveled Setting Block, or, better, the Atkins Criterion Saw Set, with a light hammer, should be used. If Setting Block is used, lay the saw upon the Setting Block so that the point of the tooth to be set projects over the apex of the beveled surface fully one-quarter of an inch. The tooth being in position, give two or three strokes with a light hammer over the apex, fully one-quarter of an inch from the point, which will usually give the required set.



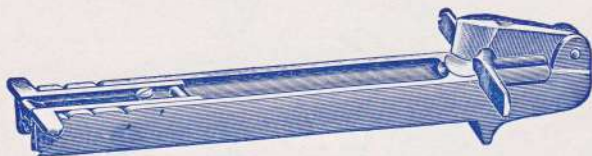
Side File.

TO SIDE FILE.

The Side File should be used to remove any uneven edge or burr left in filing, and even the set perfectly. This can be done when the saw is in the vise or filing clamp. Place an 8-inch mill bastard file in the recess of the Side File (see cut,) the file being held firmly in place by use of the thumb-screw. Pass the center of the file lightly against the tooth until the burr is removed and the set evened up. Care should be exercised not to use the Side File more than is necessary to remove the feather edge and even up the set.

N. B. Notice carefully the manner in which the saw is filed when new and file as nearly as possible in the same manner.

THE IMPROVED CRITERION SAW SET.



Price, per dozen, \$10.00.

**For All Kinds of Cross-Cut, Hand, Wood
and Other Small Saws.**

The only proper way to set these saws is with a hammer set.

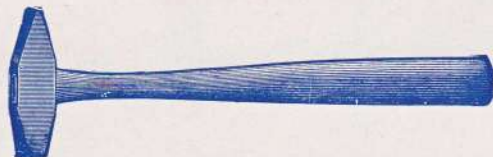
The Criterion Set has a die which rests on the tooth; the die being struck instead of striking the tooth itself with the hammer. This imparts a more even set and removes the liability of breakage.

The Improved Criterion Set has a pointed die adapting it to any size of tooth.

The Criterion Set is adjustable, so that any desired degree of set may be secured.

The Criterion Saw Set is made of best refined malleable iron, lacquered a rich brown. The die and anvil are drop-forged from the finest tool steel and properly hardened. The set is fully warranted.

HAMMER FOR SETTING SAWS.



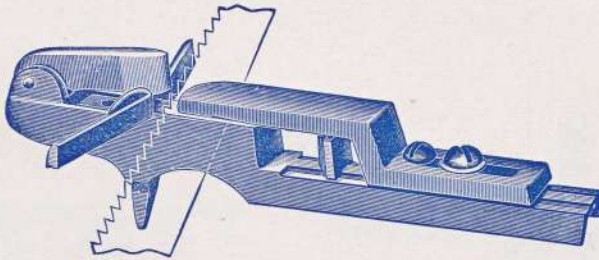
Price, per dozen, \$3.50.

Handwritten notes in the left margin:

1.85
15.
25
2.5
13
9
3.50



CRITERION BAND SAW SET.

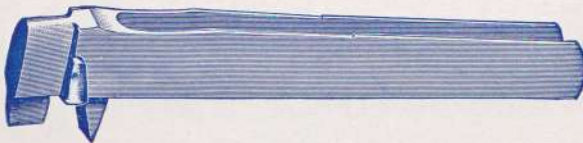


Price, per dozen, \$10.00.

This set is admirably adapted for setting Narrow Band Saws, Carpenters' Rip Saws and any saw having teeth of similar shape. The illustration shows the method of using the set, which is very simple. Hold saw firmly against the gauge, as shown; strike the point of every alternate tooth with a light hammer. Reverse the saw, placing it against the other side of the gauge, and set the remaining teeth.

The Criterion Band Saw Set is made of the best refined malleable iron, lacquered a rich brown. The die and anvil are drop forged from the finest tool steel and properly hardened. The set is fully warranted.

ATKINS CHANNELING SET BLOCK.



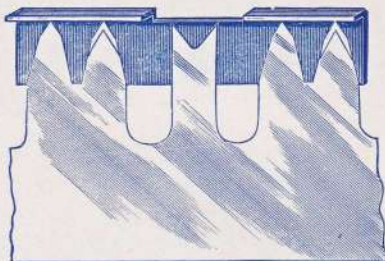
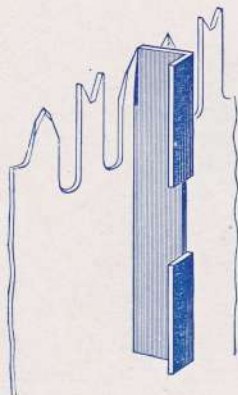
The above illustration represents our latest improved form of set block, and is used for setting and channeling the cutting teeth of Cross-Cut Saws, thereby producing a more durable set, and relieving the friction on the sides of the teeth.

One of these set blocks is included with each set of our "Excelsior" No. 1, and "Leader" tools.

Regular quality, chilled iron.....	Per dozen, \$3 50
Extra quality, drop forged, tool steel.....	" 6 00

TOOTH GAUGE.

FOR REGULATING THE LENGTH OF CLEARERS AND THE WIDTH OF THE SET IN CROSS-CUT SAWS.

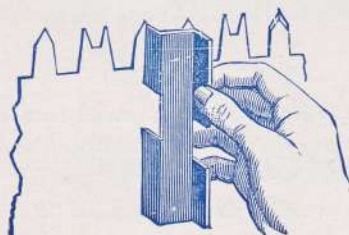


Users of Cross-Cut Saws Will Find This Tool Indispensable.

Price, Single Gauge, per dozen, 80 cents.

The cleaning teeth of all saws should be somewhat shorter than the cutting teeth, and although shortened, should be of uniform length throughout. The flange of the Gauge rests on the points of the cutting teeth, the cleaning teeth projecting through the opening in the center of Gauge. Reduce the projecting points by means of a file until arrested by the edge of Gauge, which cannot be cut with a file. Thus tooth after tooth can be rapidly and correctly reduced to an even length by any unskilled operator.

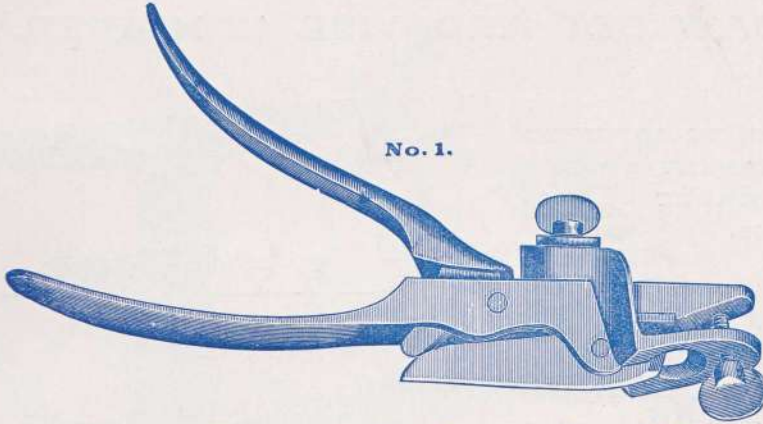
Our Single Gauge regulates the cleaners for hard wood, and our Double Gauge for both hard and soft wood. One end of the straight-edge of these Gauges has been slightly beveled, so that they may be used for gauging the set, as shown in cut.



Gauging the Set.

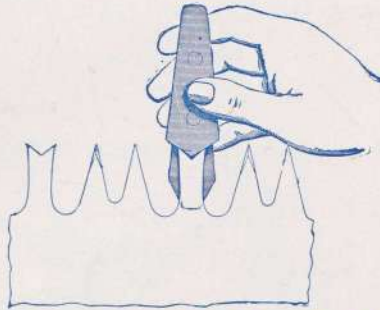
Price, Double Gauge, per dozen, \$1.20.

ATKINS LEVER SAW SET.



For Hand, Rip, Panel and all small saws, per dozen, \$8.00.

ATKINS PATENT RAKER SWAGE.



For Swaging Raker Teeth of Cross-Cut Saws.

Many practical filers and users of cross-cut saws have adopted this plan of swaging or turning the points of the rakers slightly outward instead of jointing or filing them shorter. This leaves the raker with a little hook-like point, which clears out the kerf much more perfectly, producing long shavings instead of fine saw dust, thus enabling the sawyers to do a greater amount of work in a given time.

This has been accomplished by striking the point of the raker a light blow with the setting hammer, but there is danger of this point breaking off unless the temper is rather mild, and especially in winter when saws are sometimes fitted without warming. There is also a liability to turn one point more than the other, which prevents the best results.

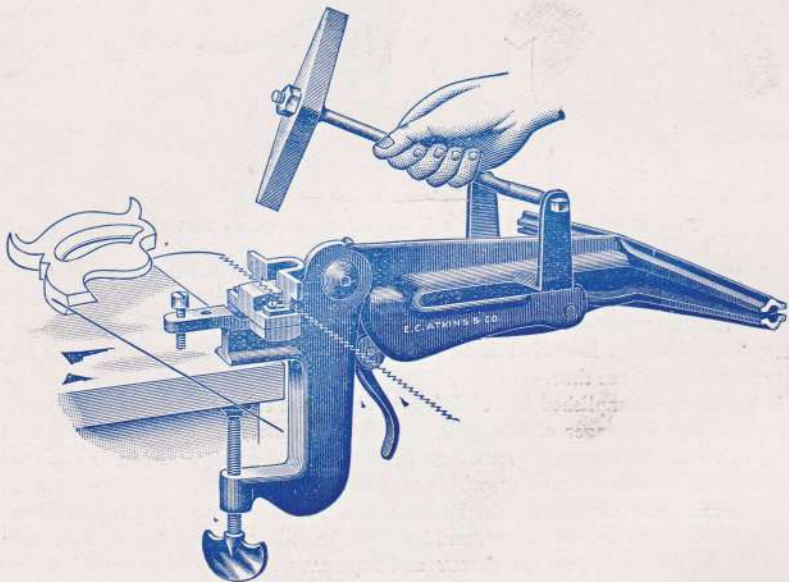
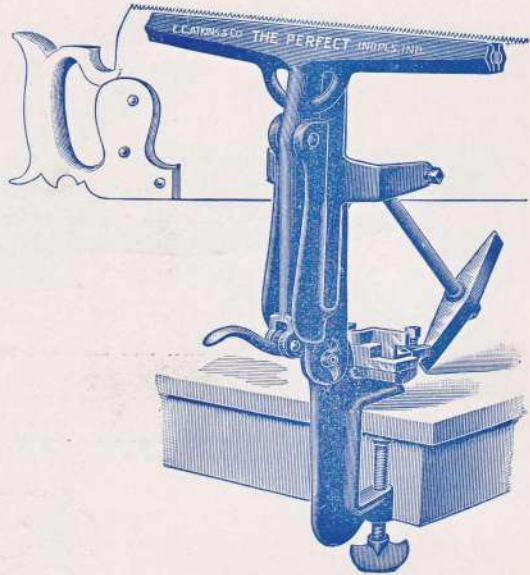
To overcome these objections, the Raker Swage, shown in the accompanying illustration, has been devised by a practical sawyer, and has been heartily endorsed by all who have seen and used it. By its use the work is SAFELY and ACCURATELY done and in much less time than otherwise. The construction is so simple that no description is required. It is made of FINE TOOL STEEL, hardened to stand the wear, and will swage the rakers of any cross-cut saw.

Price, per dozen, \$3.00.

ATKINS "PERFECT" SAW SET AND VISE COMBINED.

**IT CAN BE ADJUSTED
INSTANTLY TO THE
DIFFERENT OPERA-
TIONS.**

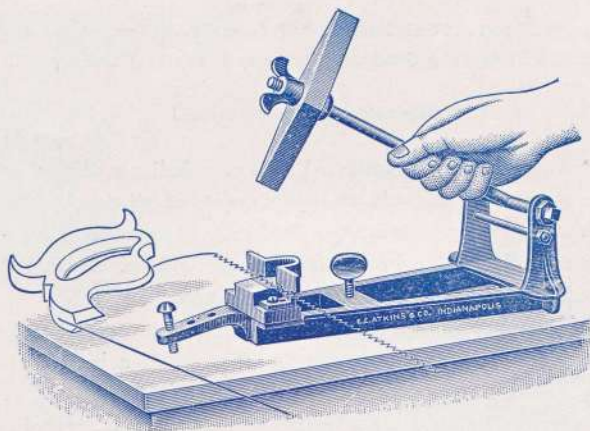
Cut shows the filing clamp ready for use. Jaws are rubber-cushioned. Practically noiseless. Can be tilted to any desired angle. Works on the lock lever principle. Fastened to bench with malleable iron screw clamp. Simple, strong, durable and easy to operate.



Same Tool adjusted for use as a Saw Set.

List price, each, \$3.50.

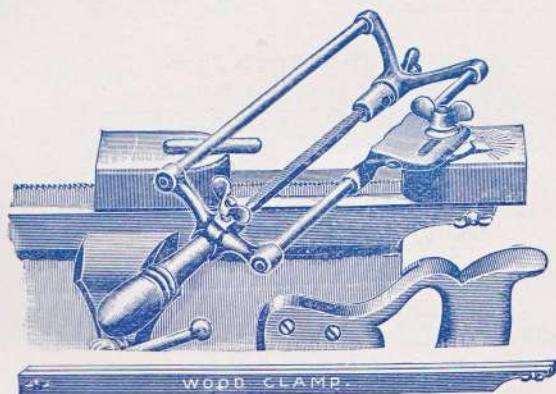
ATKINS "PERFECT" SAW SET.



This device is so constructed that a uniform blow can be given to each tooth, thus insuring a perfectly even set throughout the blade. No danger of breaking the points of the most highly-tempered saw, even when operated by a novice. It is adjustable to any amount of set desired, and will set the finest, as well as the coarsest, tooth perfectly.

List price, \$2.00 each.

THE WILSON HAND SAW FILER.



This saw-filing device is the most perfect tool for the purpose ever produced. By following the directions accompanying each filer a ten-year-old boy can file a saw correctly, bringing each tooth to the same bevel and pitch. It can be used with wood clamp in any ordinary vise or with iron saw clamp.

List price, per dozen, \$24.00.

ATKINS NOISELESS SAW VISE.

The Latest and Best. Rubber Cushioned Jaws. Strong and Durable, Heavily Japanned and Well Finished.

(Invented by Chas. Ralston Walter.)

In general appearance the new Atkins Saw Vise is very similar to those of other well-known makes, but, while combining the merits and good points of all the old style patterns, it has many new features and advantages not incorporated in any of the others. All the weak points in other vises were carefully noted and overcome in the new Atkins. It is simple and neat, and will readily attract favorable attention from mechanics everywhere.

All the wearing parts are re-inforced. It is made of the best material and finely finished. Also has rubber cushions in the jaws to prevent the disagreeable noise. Will make no more noise than if filing a solid piece of iron.

The Vise operates with the lock lever principle and there is no chance of overstraining it, as is the case in others where the screw is used. The jaws are made to open and close by simply pushing same forward and back.

One of the most desirable features is the ease with which the saw can be gauged or adjusted with both hands (see cut of No. 3 A,) so that the teeth will be just the right height above the face of the jaws and the Vise instantly tightened without removing the hands.

Another good point—the Vise is set so low down on the bench that there is no leverage to cause vibration and in consequence is very rigid.

THE ATKINS 1 AA SAW VISE.

With 11-Inch Jaw.



Has a malleable iron screw clamp for attaching to work bench, and can be readily detached and carried from place to place.

List price, per dozen, \$16.00.

ATKINS NOISELESS SAW VISE.



ATKINS 1A SAW VISE.

With 11-Inch Jaw.

Can easily be screwed to work bench or any place desired.

List price, per dozen, \$13.00.

ATKINS 2A SAW VISE.

With 15-Inch Jaw.

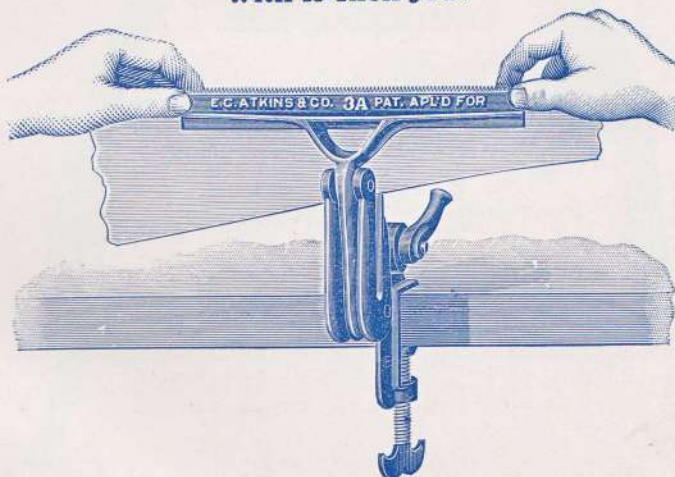
Made to screw to work bench. Same style as No. 1A except jaw is larger.

List price, per dozen, \$15.00.



ATKINS 3A SAW VISE.

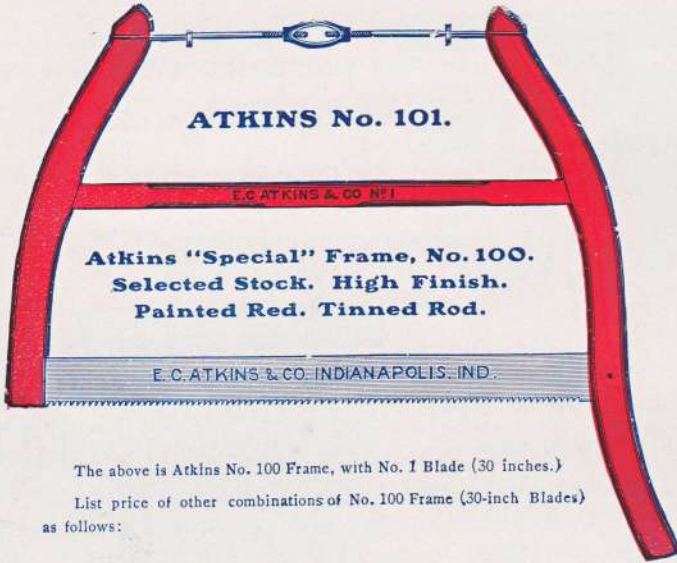
With 11-Inch Jaw.



Fastened to bench with a malleable iron screw clamp. Readily detachable. Jaws are adjustable and can be tilted to any desired angle.

List price, per dozen, \$18.00.

WOOD SAWS, COMPLETE.



The above is Atkins No. 100 Frame, with No. 1 Blade (30 inches.)

List price of other combinations of No. 100 Frame (30-inch Blades) as follows:

No.....	101	102	103	104	105	106	107	108	109	110	111	112
Per dozen.....	\$10 00	8 00	11 00	11 00	11 00	12 00	12 00	10 00	11 00	11 00	12 00	12 00
No.....	113	114	115	116	117	118	119	120	121	122	123	124
Per dozen.....	\$11 00	10 00	9 00	12 00	9 00	9 00	10 50	11 50	11 50	11 00	10 00	12 00
No.....	125	126	127	128	129	130	131	132	133	134	135	136
Per dozen	\$11 00	9 00	9 50	9 50	11 50	11 50	8 00	12 00	11 50	10 50	8 00	8 00
												10 50



The above is Atkins No. 200 Frame with No. 2 Blade (30 inches.)

List price of other combinations of No. 200 Frame (30-inch Blades) as follows:

No.....	201	202	203	204	205	206	207	208	209	210	211	212
Per dozen.....	\$ 9 00	7 00	10 00	10 00	10 00	11 00	11 00	9 00	10 00	10 00	11 00	11 00
No.....	213	214	215	216	217	218	219	220	221	222	223	224
Per dozen.....	\$10 00	9 00	8 00	11 00	8 00	8 00	9 50	10 50	10 50	10 00	9 00	11 00
No.....	225	226	227	228	229	230	231	232	233	234	235	236
Per dozen	\$10 00	8 00	8 50	8 50	10 50	10 50	7 00	11 00	10 50	9 50	7 00	9 50

In ordering, specify "Wood Saws, Complete." Packed half dozen in a box.

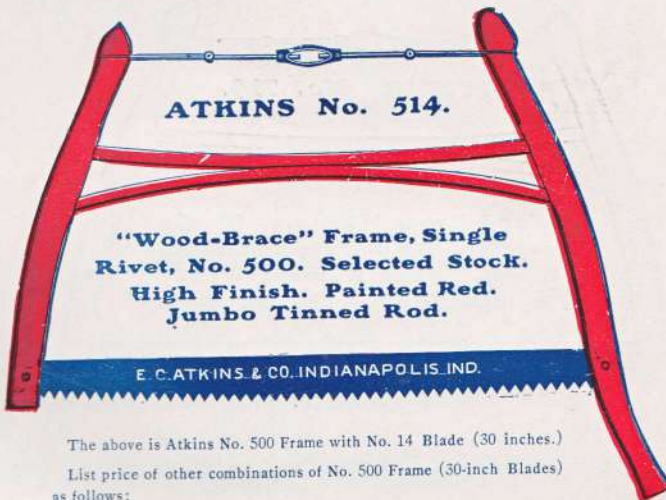
WOOD SAWS, COMPLETE.



The above is Atkins No. 300 Frame, with No. 2 Blade (30 inches.)

List price of other combinations of No. 300 Frame, (30-inch Blades)
 as follows:

No.....	301	302	303	304	305	306	307	308	309	310	311	312	
Per dozen.....	\$9 50	7 50	10 50	10 50	10 50	11 50	11 50	9 50	10 50	10 50	11 50	11 50	
No.....	313	314	315	316	317	318	319	320	321	322	323	324	
Per dozen.....	\$10 50	9 50	8 50	11 50	8 50	8 50	10 00	11 00	11 00	10 50	9 50	11 50	
No.....	325	326	327	328	329	330	331	332	333	334	335	336	
Per dozen	\$10 50	8 50	9 00	9 00	11 00	11 00	7 50	11 50	11 00	10 00	7 50	7 50	10 00



The above is Atkins No. 500 Frame with No. 14 Blade (30 inches.)

List price of other combinations of No. 500 Frame (30-inch Blades)
 as follows:

No.....	501	502	503	504	505	506	507	508	509	510	511	512
Per dozen.....	\$11 00	9 00	12 00	12 00	12 00	13 00	13 00	11 00	12 00	12 00	13 00	13 00
No.....	513	514	515	516	517	518	519	520	521	522	523	524
Per dozen.....	\$12 00	11 00	10 00	13 00	10 00	10 00	11 50	12 50	12 50	12 00	11 00	13 00
No.....	525	526	527	528	529	530	531	532	533	534	535	536
Per dozen	\$12 00	10 00	10 50	10 50	12 50	12 50	9 00	13 00	12 50	11 50	9 00	11 50

In ordering, specify "Wood Saws, Complete." Packed half dozen in a case.

WOOD SAWS, COMPLETE.



The above is Atkins No. 600 Frame, with No. 17 Blade (30 inches).

List price of other combinations of No. 600 Frame (30-inch Blades) as follows:

No.....	601	602	603	604	605	606	607	608	609	610	611	612
Per dozen	\$10 00	8 00	11 00	11 00	11 00	12 00	12 00	10 00	11 00	11 00	12 00	12 00
No.....	613	614	615	616	617	618	619	620	621	622	623	624
Per dozen	\$11 00	10 00	9 00	12 00	9 00	9 00	10 50	11 50	11 50	11 00	10 00	12 00
No.....	625	626	627	628	629	630	631	632	633	634	635	636
Per dozen	\$11 00	9 00	9 50	9 50	11 50	11 50	8 00	12 00	11 50	10 50	8 00	8 00



The above is Atkins No. 700 Frame, with No. 14 Blade (30 inches).

List price of other combinations of No. 700 Frame (30-inch Blades) as follows:

No.....	701	702	703	704	705	706	707	708	709	710	711	712
Per dozen	\$12 00	10 00	13 00	13 00	13 00	14 00	14 00	12 00	13 00	13 00	14 00	14 00
No.....	713	714	715	716	717	718	719	720	721	722	723	724
Per dozen	\$13 00	12 00	11 00	14 00	11 00	11 00	12 50	13 50	13 50	13 00	12 00	14 00
No.....	725	726	727	728	729	730	731	732	733	734	735	736
Per dozen	\$13 00	11 00	11 50	11 50	13 50	13 50	10 00	14 00	13 50	12 50	10 00	10 00

In ordering, specify "Wood Saws, Complete." Packed half dozen in a case.

WOOD SAWS, COMPLETE. THE "CANTI-LEVER."

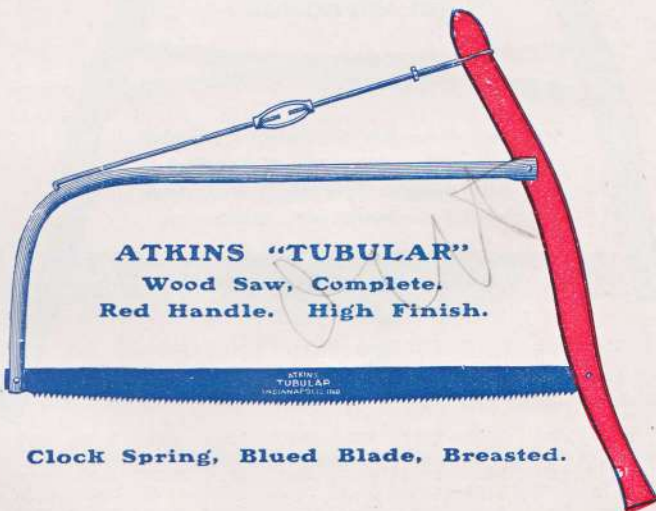
Strongest and Best Wood Saw Frame of the 20th Century.



The above is Atkins No. 800 Frame, with No. 21 Blade (30 inches.)

List price of other combinations of No. 800 Frame (30-inch Blades) as follows:

No.....	801	802	803	804	805	806	807	808	809	810	811	812	
Per dozen	\$13 50	11 50	14 50	14 50	14 50	15 50	13 50	14 50	14 50	14 50	15 50	15 50	
No.....	813	814	815	816	817	818	819	820	821	822	823	824	
Per dozen	\$14 50	13 50	12 50	15 50	12 50	12 50	14 00	15 00	15 00	14 50	13 50	15 50	
No.....	825	826	827	828	829	830	831	832	833	834	835	836	
Per dozen	\$14 50	12 50	13 00	13 00	15 00	15 00	11 50	15 50	15 00	14 00	11 50	11 50	14 00

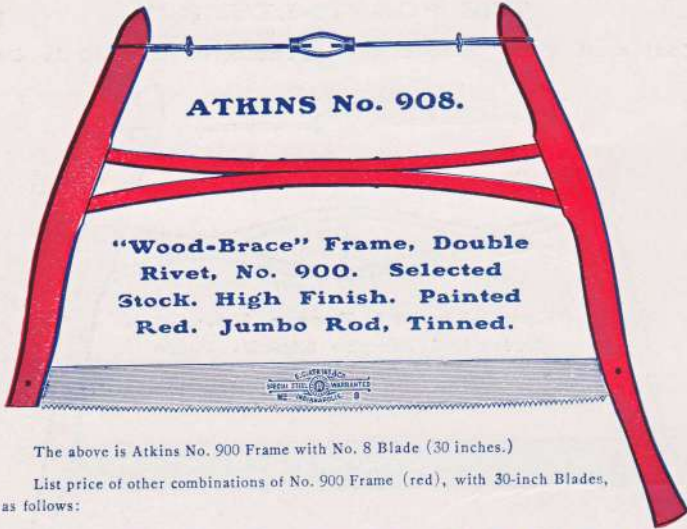


Clock Spring, Blued Blade, Breasted.

List price, per dozen, \$16 00

In ordering, specify "Wood Saws, Complete." Packed half a dozen in a case.

WOOD SAWS, COMPLETE.



The above is Atkins No. 900 Frame with No. 8 Blade (30 inches.)

List price of other combinations of No. 900 Frame (red), with 30-inch Blades, as follows:

No.....	901	902	903	904	905	906	907	908	909	910	911	912
Per dozen	\$11 25	9 25	12 25	12 25	12 25	13 25	13 25	11 25	12 25	12 25	13 25	13 25
No.....	913	914	915	916	917	918	919	920	921	922	923	924
Per dozen	\$12 25	11 25	10 25	13 25	10 25	10 25	11 75	12 75	12 75	12 25	11 25	13 25
No.....	925	926	927	928	929	930	931	932	933	934	935	936
Per dozen	\$12 25	10 25	10 75	10 75	12 75	12 75	9 25	13 25	12 75	11 75	9 25	9 25



The above is Atkins No. B900 Frame with No. 8 Blade (30 inches.)

List price of other combinations of No. B900 Frame (blue), with 30-inch Blades, as follows:

No.....	B901	B902	B903	B904	B905	B906	B907	B908	B909	B910	B911	B912
Per dozen	\$11 75	9 75	12 75	12 75	12 75	13 75	13 75	11 75	12 75	12 75	13 75	13 75
No.....	B913	B914	B915	B916	B917	B918	B919	B920	B921	B922	B923	B924
Per dozen	\$12 75	11 75	10 75	13 75	10 75	10 75	12 25	13 25	13 25	12 75	11 75	13 75
No.....	B925	B926	B927	B928	B929	B930	B931	B932	B933	B934	B935	B936
Per dozen	\$12 75	10 75	11 25	11 25	13 25	13 25	9 75	13 75	13 25	12 25	9 75	9 75

Above style of Frame (No. 900) with Walnut finish is W900; Mahogany finish is M900; Natural Wood finish is N900, same list as B900. In ordering, specify 'Wood Saws, Complete.' Packed half dozen in a case.

WOOD SAWS, COMPLETE.



The above is Atkins No. 1000 Frame, with No. 18 Blade (30 inches.)

List price of other combinations of No. 1000 Frame (30-inch Blades) as follows:

No.....	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012
Per dozen.....	\$10 50	8 50	11 50	11 50	11 50	12 50	12 50	10 50	11 50	11 50	12 50	12 50
No.....	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024
Per dozen.....	\$11 50	10 50	9 50	12 50	9 50	9 50	11 00	12 00	12 00	11 50	10 50	12 50
No.....	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036
Per dozen	\$11 50	9 50	10 00	10 00	12 00	12 00	8 50	12 50	12 00	11 00	8 50	8 50
												1037
												11 00



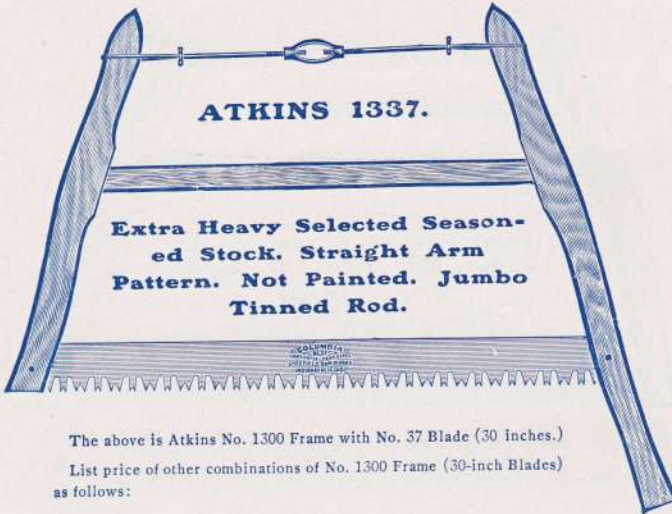
The above is Atkins No. 1200 Frame with No. 9 Blade (30 inches.)

List price of other combinations of No. 900 Frame (red) with 30-inch Blades as follows:

No.....	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212
Per dozen.....	\$11 25	9 25	12 25	12 25	12 25	13 25	13 25	11 25	12 25	12 25	13 25	13 25
No.....	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224
Per dozen.....	\$12 25	11 25	10 25	13 25	10 25	10 25	11 75	12 75	12 75	12 25	11 25	13 25
No.....	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236
Per dozen	\$12 25	10 25	10 75	10 75	12 75	9 25	13 25	12 75	11 75	9 25	9 25	11 75

In ordering, specify "Wood Saws, Complete." Packed half dozen in a case.

WOOD SAWS, COMPLETE.



The above is Atkins No. 1300 Frame with No. 37 Blade (30 inches.)

List price of other combinations of No. 1300 Frame (30-inch Blades) as follows:

No.....	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312
Per dozen.....	\$12 00	10 00	13 00	13 00	13 00	14 00	14 00	12 00	13 00	13 00	14 00	14 00
No.....	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324
Per dozen.....	\$13 00	12 00	11 00	14 00	11 00	11 00	12 50	13 50	13 50	13 00	12 00	14 00
No.....	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336
Per dozen	\$13 00	11 00	11 50	11 50	13 50	13 50	10 00	14 00	13 50	12 50	10 00	10 00



The above is Atkins No. 1400 Frame, with No. 23 Blade (30 inches.)

List price of other combinations of No. 1400 Frame, (30-inch Blades) as follows:

The Most Substantial and Strongest Frame Made.

No.....	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412
Per dozen.....	\$12 75	10 75	13 75	13 75	13 75	14 75	14 75	12 75	13 75	13 75	14 75	14 75
No.....	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424
Per dozen.....	\$13 75	12 75	11 75	14 75	11 75	11 75	13 25	14 25	14 25	13 75	12 75	14 75
No.....	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436
Per dozen	\$13 75	11 75	12 25	12 25*	14 25	14 25	10 75	14 75	14 25	13 25	10 75	10 75

In ordering, specify "Wood Saws, Complete." Packed half dozen in a case.

WOOD SAW FRAMES ONLY.

KNOCKED DOWN.



STRAIGHT BRACE FRAME.

Brace, Long and Short Arms of No. 200 Frame, not painted. Also represents the No. 300 Frame, painted Red.

	Long Arm.	Short Arm.	Brace.
No. 200. List price.....	\$ 8 50	\$ 8 50	\$ 7 50
No. 300. List price.....	11 50	10 50	9 50
No. 100. List price.....	Per gross, \$12 50	11 50	10 50
No. 1300. List price.....	18 00	16 50	16 50



WOOD BRACE FRAME.

Brace, Long and Short Arms of No. 500 and 600 Frames, painted Red. Also represents No. 700 and No. 1000 Frames, Natural Wood Finish.

	Long Arm.	Short Arm.	Brace.
No. 500. List price.....	Per gross, \$15 00	\$13 50	\$13 50
No. 600. List price.....	13 50	12 00	12 00
No. 700. List price.....	19 00	17 50	17 50
No. 1000. List price.....	14 50	13 00	13 00
No. 800. "Canti-Lever" Frame. List price.....	Per gross, \$19 00	17 50	17 50
No. 900. Double Rivet, Wood Brace Frame. List price.....	16 00	14 50	14 50
No. 900. " " " (B. W. M. & N.) List price..	18 00	16 50	16 50
Tubular. List price.....	16 00	.....	90 00
No. 1400. Double Rivet, Wood Brace Frame. List price.....	22 00	20 50	20 50

WOOD SAW BLADES.

No.	Style of Tooth.	Class.	Breasted or Straight on Tooth Edge.	Width, Inches.	Finish.	List, 30-inch.	List, 32-inch.
1	Plain	B	Straight	2 3/8	Bright	\$6 00	\$6 60
2	"	D	"	2	"	4 00	4 40
3	"	A	"	1 3/4	"	7 00	7 70
4	Tuttle	B	"	2 3/8	"	7 00	7 70
5	Diamond	B	"	2 3/8	"	7 00	7 70
6	Tuttle	A	"	1 3/4	"	8 00	8 80
7	Diamond	A	"	1 3/4	"	8 00	8 80
8	Plain	B	Breasted	2 3/8	"	6 00	6 60
9	Tuttle	B	"	2 3/8	"	7 00	7 70
10	Diamond	B	"	2 3/8	"	7 00	7 70
11	Tuttle	A	"	2 3/8	"	8 00	8 80
12	Diamond	A	"	2 3/8	"	8 00	8 80
13	Plain	A	"	2 3/8	"	7 00	7 70
14	"	B	"	1 3/4	Blued	6 00	6 60
15	"	B	Straight	1 1/4	"	5 00	5 50
16	Needle Point	B	Breasted	2 3/8	Bright	8 00	8 80
17	Plain	C	"	2 1/4	"	5 00	5 50
18	"	C	"	1 3/4	Blued	5 00	5 50
19	Peg	B	"	2 3/8	Bright	6 50	7 15
20	"	A	"	2 3/8	"	7 50	8 25
21	Plain	A	Straight	2 3/8	"	7 50	8 25
22	{ Tuttle, Extra. Wide Raker..	B	Breasted	2 3/8	"	7 00	7 70
23	Tuttle	C	"	2 1/4	"	6 00	6 60
24	Matchless	B	"	2 3/8	"	8 00	8 80
25	Lightning	B	Straight	2 3/8	"	7 00	7 70
26	Plain	C	"	2 1/4	"	5 00	5 50
27	Peg	C	Breasted	2 1/4	"	5 50	6 05
28	"	C	"	1 3/4	Blued	5 50	6 05
29	"	A	Straight	2 3/8	Bright	7 50	8 25
30	"	A	"	1 3/4	"	7 50	8 25
31	Plain	D	Breasted	2	"	4 00	4 40
32	Universal	B	"	2 3/8	"	8 00	8 80
33	Peg	A	"	1 3/4	Blued	7 50	8 25
34	"	B	"	1 3/4	"	6 50	7 15
35	"	D	"	2	Bright	4 00	4 40
36	Plain	C	Straight	1 1/4	Blued	4 00	4 40
37	Tuttle	C	"	2 1/4	Bright	6 50	7 00

Wood Saw Blades toothed three points to the inch, special prices.

CLASSIFICATION OF WOOD SAW BLADES.

Class "A," Etched "E. C. Atkins & Co."

Silver-Steel—19x23 gauge, extra polish, bright, set and sharpened. The best Wood Saw made. Fully warranted.

Class "B," Etched "E. C. Atkins & Co."

Best Tool Steel—19x22 gauge, polished, bright or blued, set and sharpened. Fully warranted.

Class "C," Etched "Sheffield."

Fine Special Steel—19x21 gauge, polished, bright or blued, set and sharpened. Warranted.

Class "D," Stamped "O. K."

Cast Steel—Polished, set and sharpened.

4.96

ATKINS POPULAR WOOD SAW BLADES.

(See other styles in frames shown on preceding pages.)



No. 4. Tuttle Tooth. (Straight, $2\frac{3}{8}$ inches wide.)



No. 5. Diamond Tooth. (Straight, $2\frac{3}{8}$ inches wide.)



No. 10. Diamond Tooth. (Breasted, $2\frac{3}{8}$ inches wide.)



No. 15. Plain Tooth. (Straight, $1\frac{1}{4}$ inches wide.)



No. 16. Needle Point Tooth. (Breasted, $2\frac{3}{8}$ inches wide.)



No. 19. Peg Tooth. (Breasted, $2\frac{3}{8}$ inches wide.)



No. 22. Tuttle Tooth (wide raker.) (Breasted, $2\frac{3}{8}$ inches wide.)



No. 23. Tuttle Tooth. (Breasted, $2\frac{1}{4}$ inches wide.)



No. 24. Matchless Tooth. (Breasted, $2\frac{3}{8}$ inches wide.)



No. 25. Lightning Tooth. (Straight, $2\frac{3}{8}$ inches wide.)



No. 29. Peg Tooth. (Straight, $2\frac{3}{8}$ inches wide.)

Atkins Hand, Panel and Rip Saws

The wonderful growth of our business in hand and small saws has been noted and remarked upon from all quarters. The secret of our success in this Department is on account of the high quality of the saws.

This quality is based upon the use of our celebrated SILVER-STEEL which enables the saw to take a high, tough temper, which, together with the finest grade of grinding, finish and workmanship throughout, makes them the finest saws on the market.

The following numbers are our leaders :

Nos. 51, 54, 55. SILVER-STEEL, Damaskeen finish.

Nos. 53 and 65. SILVER-STEEL, Perfection handle, Damaskeen finish.

Nos. 66 and 67. SILVER-STEEL, Mirror finish.

Nos. 68 and 69. SILVER-STEEL, Perfection handle, Mirror finish.

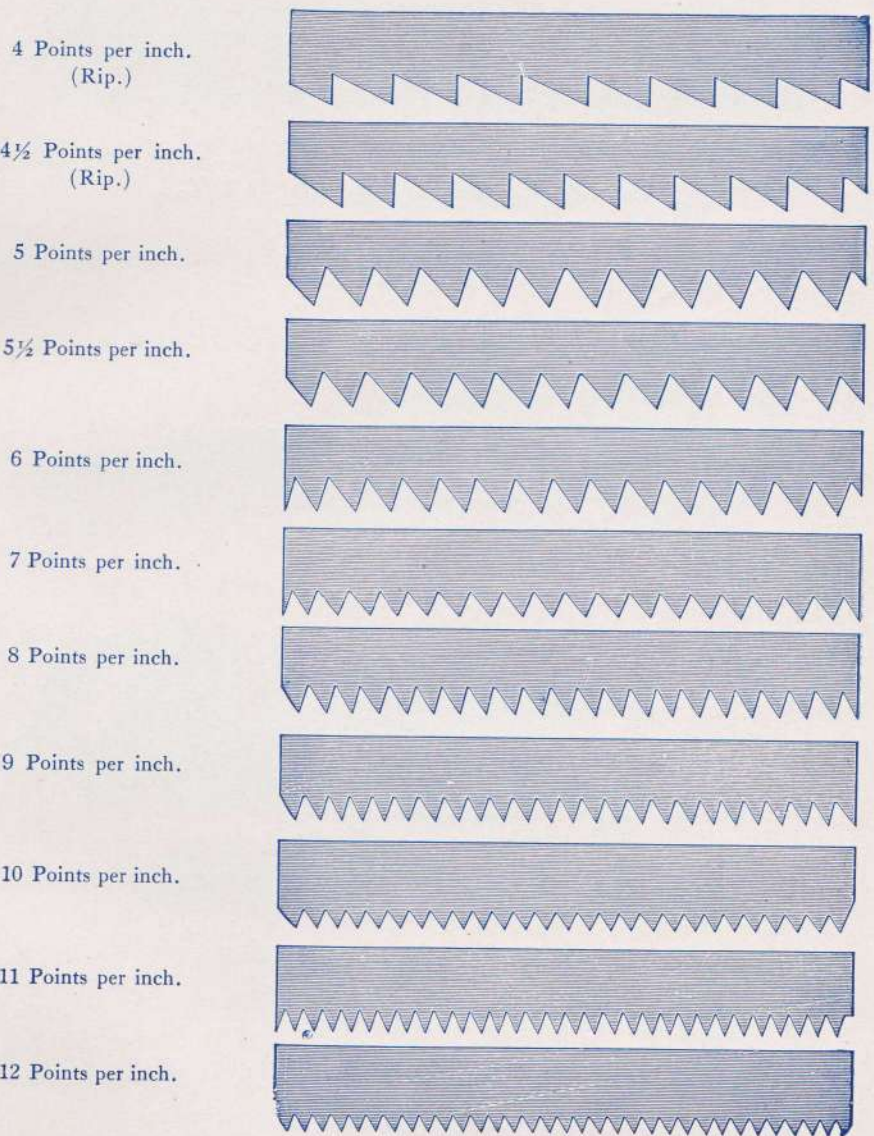
No. 64. SILVER NICKEL STEEL, London spring, Damaskeen finish.

No. 52. SILVER-STEEL, Damaskeen ; made especially for pattern and bench work, to run without set.

We also manufacture a full line of medium-priced Hand Saws, which are equal in quality to any saws not branded "ATKINS."

NUMBER OF POINTS PER INCH IN SAWS.

The following cuts are full size, and represent number of points per inch in saws, also the various styles of teeth most commonly used. Care should be taken when ordering to specify points per inch, as there is one less tooth per inch than there are points.



HAND, PANEL AND RIP SAWS.

SILVER-STEEL.

MIRROR FINISH.



No. 400. THE ELITE SAW.

The Finest and Most Expensive Hand Saw Ever Made.

Silver-Steel, Skew-Back, Mirror Finish. Rosewood Handle, Perfection Pattern, Polished, with four Silver Plated Screws.

Inches.....	16	18	20	22	24	26	28	30
Per dozen.....	\$33 00	36 00	39 00	42 00	45 00	48 00	55 00	61 00



No. 401. THE ELITE SAW.

Silver-Steel, Straight-Back, Mirror Finish. Rosewood Handle, Perfection Pattern, Polished, with four Silver Plated Screws.

Inches.....	16	18	20	22	24	26	28	30
Per dozen.....	\$33 00	36 00	39 00	42 00	45 00	48 00	55 00	61 00

Above packed one in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 51. RIP SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge.

Inches.....	28	30	32
Per dozen	\$28 25	32 00	36 00



No. 51. HAND SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge.

Inches.....	26
Per dozen.....	\$25 00



No. 51. PANEL SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge.

Inches.....	16	18	20	22	24
Per dozen.....	\$16 25	18 00	20 00	22 00	24 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 52. RIP SAW.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle.

Inches	28	30
Per dozen.....	\$42 00	47 00

Use for filing this saw 6-inch safe-back cant file.



No. 52. HAND SAW.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle.

Inches	26
Per dozen.....	\$37 50

Use for filing this saw 6-inch safe-back cant file.



No. 52. PANEL SAW.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle.

Inches	16	18	20	22	24
Per dozen.....	\$26 00	28 50	31 00	33 00	35 00

Use for filing this saw 6-inch safe-back cant file.

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 53. RIP SAW.

Silver-Steel Skew-Back, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches.....	28	30
Per dozen.....	\$28 75	32 50



No. 53. HAND SAW.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches.....	26
Per dozen.....	\$25 50



No. 53. PANEL SAW.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches.....	16	18	20	22	24
Per dozen.....	\$16 75	18 50	20 50	22 50	24 50

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 54. RIP SAW.

Silver-Steel, Beech Handle, Polished Edge.

Inches	28	30	32	34	36
Per dozen.....	\$26 25	30 00	33 50	38 50	43 00



No. 54. HAND SAW.

Silver-Steel, Beech Handle, Polished Edge.

Inches.....	26
Per dozen.....	\$22 00



No. 54. PANEL SAW.

Silver-Steel, Beech Handle, Polished Edge.

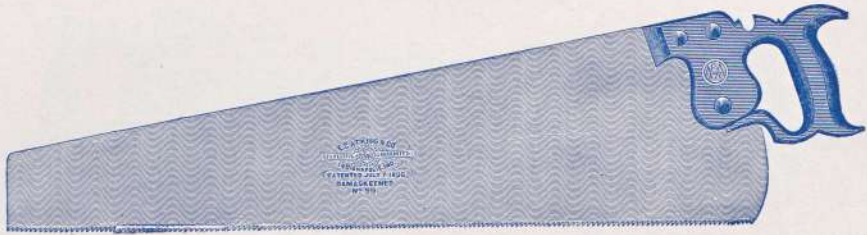
Inches	12	14	16	18	20	22	24
Per dozen.....	\$12 00	12 75	14 00	15 50	17 00	18 50	20 50

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 55. RIP SAW.

Silver-Steel, Apple Handle, Polished Edge.

Inches	28	30
Per dozen	\$27 25	31 00



No. 55. HAND SAW.

Silver-Steel, Apple Handle, Polished Edge.

Inches	26
Per dozen	\$23 00



No. 55. PANEL SAW.

Silver-Steel, Apple Handle, Polished Edge.

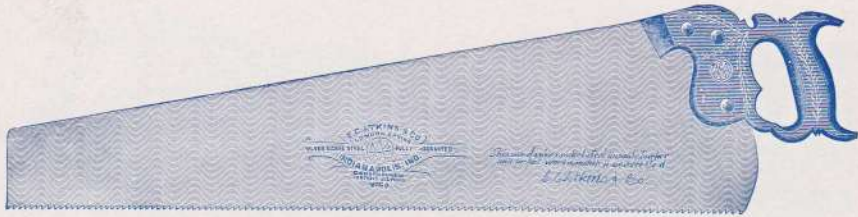
Inches	16	18	20	22	24
Per dozen	\$14 50	16 00	18 00	19 50	21 50

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

LONDON SPRING, SILVER NICKEL STEEL.

DAMASKEENED.



No. 64. RIP SAW.

London Spring, Silver Nickel Steel, Carved and Polished Apple Handle.

Inches.....	28	30	32
Per dozen.....	\$35 00	41 00	47 50



No. 64. HAND SAW.

London Spring, Silver Nickel Steel, Carved and Polished Apple Handle.

Inches.....	26
Per dozen.....	\$30 00



No. 64. PANEL SAW.

London Spring, Silver Nickel Steel, Carved and Polished Apple Handle.

Inches.....	16	18	20	22	24
Per dozen.....	\$18 75	21 00	23 50	26 00	28 50

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 65. RIP SAW.

Silver-Steel, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches	28	30
Per dozen	\$28 75	32 50



No. 65. HAND SAW.

Silver-Steel, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches	26
Per dozen	\$24 50



No. 65. PANEL SAW.

Silver-Steel, Carved and Polished Apple Handle.
 With the Atkins Perfection Handle.

Inches	16	18	20	22	24
Per dozen	\$16 00	17 50	19 50	21 00	23 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

MIRROR FINISH.



No. 66. RIP SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	28	30	32
Per dozen.....	\$31 00	36 00	42 00



No. 66. HAND SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	26
Per dozen.....	\$27 00



No. 66. PANEL SAW.

Silver-Steel, Skew-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	16	18	20	22	24
Per dozen.....	\$17 00	19 00	21 00	23 00	25 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL, WARRANTED.

MIRROR FINISH.



No. 67. RIP SAW.

Silver-Steel, Straight-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	28	30	32
Per dozen	\$30 00	35 00	41 00



No. 67. HAND SAW.

Silver-Steel, Straight-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	26
Per dozen	\$26 00



No. 67. PANEL SAW.

Silver-Steel, Straight-Back, Apple Handle, Polished Edge, Mirror Finish.

Inches	16	18	20	22	24
Per dozen	\$16 00	18 00	20 00	22 00	24 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SILVER-STEEL.

MIRROR FINISH.



No. 68.

Skew-Back, Silver-Steel, Mirror Finish, Perfection Carved Apple Handle,
Polished Edge.

Inches.....	16	18	20	22	24	26	28	30	32
Per dozen.....	\$17 50	19 50	21 50	23 50	25 50	27 50	31 50	36 50	42 50



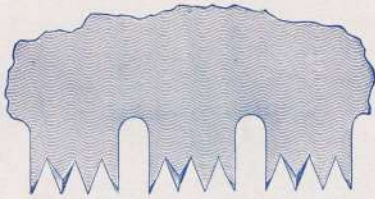
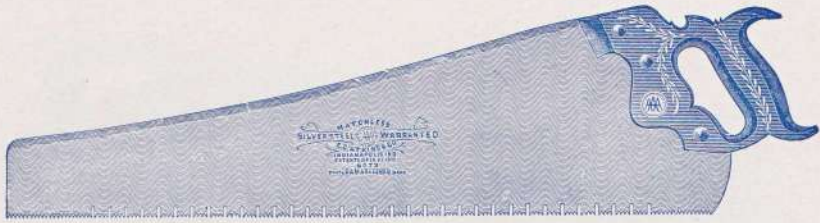
No. 69.

Straight-Back, Silver-Steel, Mirror Finish, Perfection Carved Apple Handle,
Polished Edge.

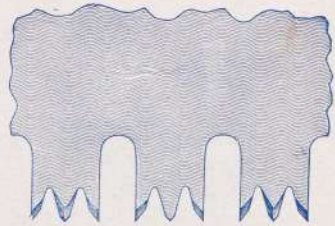
Inches.....	16	18	20	22	24	26	28	30	32
Per dozen.....	\$16 50	18 50	20 50	22 50	24 50	26 50	30 50	35 50	41 50

Put up one-third dozen in a box.

THE MATCHLESS AND UNIVERSAL HAND SAWS.



Section of Matchless Hand Saw. Full Size.



Section of Universal Hand Saw. Full Size.

No. 73 MATCHLESS.

No. 83 UNIVERSAL.

Silver-Steel, Skew-Back, Carved and Polished Apple Handle. Damaskeened.

Inches.....	16	18	20	22	24	26	28	30	32
Per dozen.....	\$29 50	30 50	31 50	33 00	34 50	36 00	40 00	44 00	48 00

No. 74 MATCHLESS.

No. 84 UNIVERSAL.

Silver-Steel, Straight-Back, Beech Handle, Polished Edge. Damaskeened.

Inches.....	16	18	20	22	24	26	28	30	32
Per dozen.....	\$25 50	26 50	27 50	28 50	30 00	31 50	34 00	37 50	41 50

No. 76 MATCHLESS.

No. 86 UNIVERSAL.

Sheffield Saw Works, Special Steel, Warranted, Skew-Back, Carved and Polished Apple Handle.

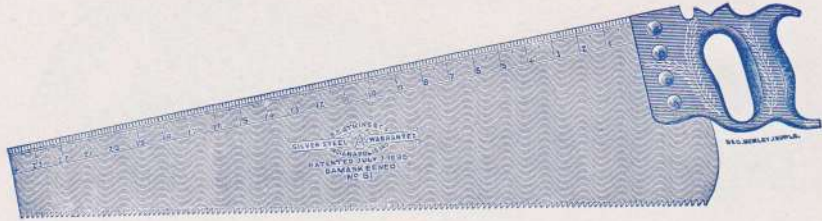
Inches.....	16	18	20	22	24	26	28	30	32
Per dozen.....	\$21 00	22 00	23 00	24 00	25 00	26 50	29 50	31 50	36 50

Put up one-third dozen in a box.

32 157

SILVER-STEEL, WARRANTED.

DAMASKEENED.



No. 61. HAND SAW.

Silver-Steel, Warranted, Combined Rule and Square, Carved Apple Handle.

We will furnish this saw, when so ordered, with a brass plate on the straight edge of the handle, to prevent wear, at additional price of \$3.00 per dozen list.

Inches	26
Per dozen, with plate.....	\$29 00
“ “ without plate.....	26 00

OUR LEADING NARROW PATTERN.



No. 72.

Silver-Steel, Damaskeened, Carved Apple Handle.

The 26-inch Blades are 5¾ inches wide at the butt and 1¾ inches wide at the point. Other lengths are proportionate widths.

Inches	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 50	19 50	21 00	23 00	24 50	28 75	32 50

Above put up one-third dozen in a box.

SHIP CARPENTER'S SAWS.

SILVER-STEEL, WARRANTED.



No. 53.

Silver-Steel, Skew-Back, Damaskeened, Carved and Polished Apple Handle, Perfection Pattern.

Inches	16	18	20	22	24	26
Per dozen	\$16 75	18 50	20 50	22 50	24 50	25 5



No. 65.

Silver-Steel, Damaskeened, Carved and Polished Apple Handle, Perfection Pattern.

Inches	16	18	20	22	24	26
Per dozen	\$16 00	17 50	19 50	21 00	23 00	24 50



No. 54.

Silver-Steel, Damaskeened, Beech Handle, Polished Edge.

Inches	14	16	18	20	22	24	26
Per dozen	\$12 75	14 00	15 50	17 00	18 50	20 50	22 00

This style of saw also made in any quality of Atkins Brand at their respective prices.

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SHEFFIELD SAW WORKS LINE.

CAST STEEL, WARRANTED.



No. 58. RELIABLE SAW.

Sheffield Saw Works, Cast Steel, Warranted, Beech Handle,
 Polished Edge.

Inches	14	16	18	20	22	24	26	Rip. 28
Per dozen.....	\$8 50	9 00	9 75	10 50	11 25	12 00	13 00	15 00

Put up one-third dozen in a box.



No. 59. RELIABLE SAW.

Sheffield Saw Works, Cast Steel, Warranted, Skew-Back, Beech Handle,
 Polished Edge.

Inches	14	16	18	20	22	24	26	Rip. 28
Per dozen.....	\$9 50	10 00	10 75	11 50	12 25	13 00	14 00	16 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SHEFFIELD SAW WORKS LINE.



No. 60. HAND SAW.

Sheffield Saw Works, Special Steel, Combined Rule and Square, Beech Handle.

Inches	26
Per dozen	\$9 00



No. 62. CHIEF.

Sheffield Saw Works, Special Steel, Beech Handle.

Inches.....	14	16	18	20	22	24	26	Rip.
Per dozen.....	\$5 00	5 25	5 50	6 00	6 50	7 00	7 50	28 28

Put up one-half dozen in a box.



No. 63 SAW.

Sheffield Saw Works, Special Steel, Warranted, Beech Handle.

Inches..	14	16	18	20	22	24	26	Rip	Rip	Rip
Per doz.	\$9 50	10 50	11 50	13 00	14 50	16 00	17 25	21 00	24 00	27 00

Put up one-third dozen in a box.

HAND, PANEL AND RIP SAWS.

SHEFFIELD SAW WORKS LINE.

BLUED SAWS.



No. 156 SAW.

Sheffield Saw Works, Special Steel, Warranted, Skew-Back, Carved and Polished Handle.



No. 159 SAW.

Sheffield Saw Works, Cast Steel, Warranted, Skew-Back, Beech Handle, Polished Edge.

Put up one-third dozen in a box.

Other patterns of Blued Saws are furnished when desired. Prices on application.

MANUAL TRAINING SCHOOL SAWS.

We make a specialty of equipping Manual Training Schools with Hand, Panel, Rip, Back, Coping and other Saws peculiar to their requirements. Our high-grade Silver-Steel Saws are giving excellent satisfaction wherever used, and they are being adopted generally by these schools throughout the country. If desired, we will etch the name of the school on saws without extra charge.

HAND, PANEL AND RIP SAWS.



Silver-Steel, Skew-Back, Carved and Polished "Perfection" Apple Handle, Damaskeened.

Inches	16	18	20	22	24
Per dozen.....	\$16 75	18 50	20 50	22 50	24 50

BACK SAWS.

Our Special Manual Training School Back Saw is similar in style and takes the same list as our No. 2 Back Saw, shown on the next page.

MITRE BOX SAWS.

E. C. ATKINS & CO.'S SILVER-STEEL.



No. 1. Silver-Steel, Apple Handle, Polished Edge.

	Four inches under back.							
Inches.....	18	20	22	24	26	28	30	32
Per dozen.....	\$25 25	27 50	29 75	32 00	34 25	36 50	38 75	41 00
	Five inches under back.							
Inches.....		22	24	26	28	30	32	
Per dozen.....		\$32 00	35 00	38 00	41 00	44 00	47 00	
	Six inches under back.							
Inches.....		22	24	26	28	30	32	
Per dozen.....		\$35 50	39 00	42 50	46 00	49 50	53 00	

BACK SAWS.

E. C. ATKINS & CO.'S SILVER-STEEL.



No. 2. Silver-Steel, Apple Handle, Blued Back.

Inches.....	8	10	12	14	16	18
Per dozen.....	\$15 00	16 00	18 00	20 00	22 50	25 00

SHEFFIELD SAW WORKS.

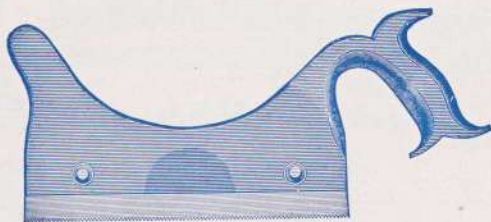


No. 3. Standard Cast Steel, Beech Handle, Blued Back.

Inches.....	8	10	12	14	16	18	20	22	24
Per dozen.....	\$10 25	11 50	13 50	15 75	18 00	20 25	22 75	25 25	27 75

All above put up one-third dozen in a box.

STAIR BUILDERS' SAW.



Price, per dozen, \$6.50.

CARPENTERS' HANDY SAW.

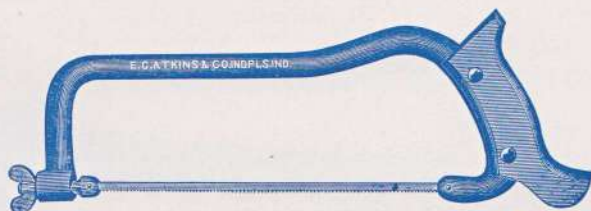


Silver-Steel, Apple Handle, Carved.

Inches	17
Per dozen.....	\$15 00

Put up one-third dozen in a box.

DEHORNING SAWS.



Japanned, Malleable Iron Frame, Beech Handle, Complete.

Blades, 9½ inches long, ¼ inch wide.

Price, complete.....	Per dozen, \$8 00
Price, Blades only.....	“ 1 50

Put up one-half dozen in a box.

COMPASS SAWS.



**No. 2.
SAW SCREWS.**

Apple Handle.

Inches	10	12	14	16	18
Per dozen	\$5 00	5 25	5 50	5 75	6 00
Blades only	3 00	3 25	3 50	3 75	4 00



**No. 3. CAST STEEL.
SAW SCREWS.**

Beech Handle.

Inches	10	12	14	16
Per dozen	\$5 00	5 00	5 00	5 00



No. 4. COMPASS SAW.

Beech Handle.

Inches	10	12	14	16
Per dozen	\$3 00	3 00	3 00	3 00



**No. 7. COMPASS SAW.
SAW SCREWS.**

Beech Handle.

Inches	10	12	14	16
Per dozen	\$3 50	3 50	3 50	3 50



**No. 8. COMPASS SAW.
BLUED WOOD SCREWS.**

Beech Handle.

Inches	10	12	14	16
Per dozen	\$2 50	2 50	2 50	2 50

All above put up half-dozen in a box.

COMPASS AND KEYHOLE SAWS.



**No. 9. COMPASS SAW.
SAW SCREWS.**

Beech Handle.

Inches	10	12	14	16
Per dozen	\$3 25	3 25	3 25	3 25

Put up one-half dozen in a box.



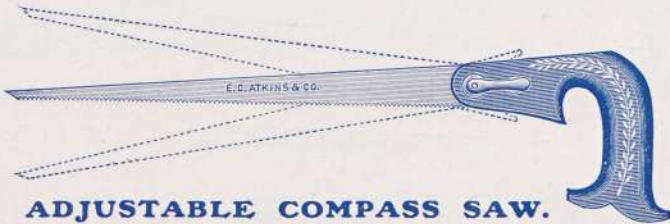
**COMPASS SAW.
INTERCHANGEABLE.**

Inches	10	12	14	16	18	20
Per dozen	\$4 50	4 75	5 00	5 25	5 75	6 25

Put up one-half dozen in a box.

INTERCHANGEABLE COMPASS SAW BLADES.

Inches	10	12	14	16	18	20
Per dozen	\$2 50	2 75	3 00	3 25	3 50	3 75



ADJUSTABLE COMPASS SAW.

Apple Handle, Carved and Polished.

Inches	10	12	14	16	18
Per dozen	\$6 50	6 75	7 00	7 25	7 50

Put up one-half dozen in a box.

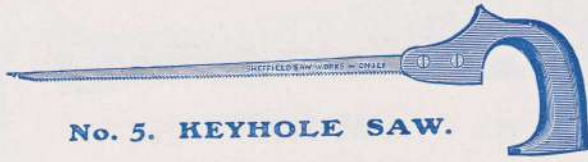
KEYHOLE SAW AND PAD.



Keyhole Saws	Per dozen, \$1 60
Handle	" 70
Complete	" 2 30

Put up one dozen in a box.

KEYHOLE SAWS.



No. 5. KEYHOLE SAW.

Sheffield Saw Works. Beech Handle.

10 inches.....	Per dozen, \$2 50
12 inches.....	" 2 50



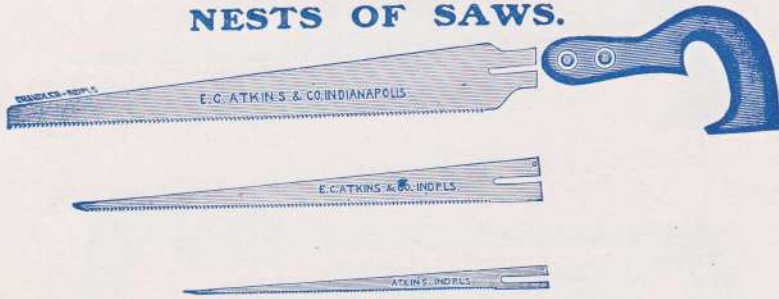
**No. 6. KEYHOLE SAW.
SAW SCREWS.**

E. C. Atkins & Co. Apple Handle.

10 inches.....	Per dozen, \$4 50
12 inches.....	" 4 50

Put up one-half dozen in a box.

NESTS OF SAWS.



No. 1.

Combining one each Keyhole, Compass and Pruning Saw.

Handle and Screws.....	Per dozen, \$2 00
Keyhole Blades, 12 inches long.....	" 2 00
Compass Blades, 14 inches long.....	" 3 00
Pruning Saws, 18 inches long.....	" 5 50
Total for Nests.....	\$12 50

No. 2.

Combining one each Keyhole, 12 and 16-inch Compass Blades.

Handle and Screws.....	Per dozen, \$2 00
10-inch Keyhole Blades.....	" 2 00
12-inch Compass Blades.....	" 2 75
16-inch Compass Blades.....	" 3 25
Total for Nests.....	\$10 00

Put up three sets in a box.

The above Nests can be furnished with our patent adjustable handle as follows:

No. 1 Nest. List.....	Per dozen, \$14 00
No. 2 Nest. List.....	" 11 50

PRUNING SAWS.



No. 3. DUPLEX PRUNING SAWS.

Silver-Steel, Apple Handle.

Inches.....	12	14	16	18	20	22
Per dozen.....	\$8 50	9 00	9 50	10 50	11 50	12 50



No. 2. DUPLEX PRUNING SAWS.

Special Steel, Beech Handle.

Inches.....	12	14	16	18	20	22
Per dozen.....	\$6 00	6 50	7 00	8 00	9 00	10 00



No. 1. TABLE AND PRUNING SAWS.

Beech Handle, Polished Edge.

Inches.....	12	14	16	18	20	22	24	26
Per dozen.....	\$6 00	6 50	7 00	7 75	8 50	9 25	10 00	11 00

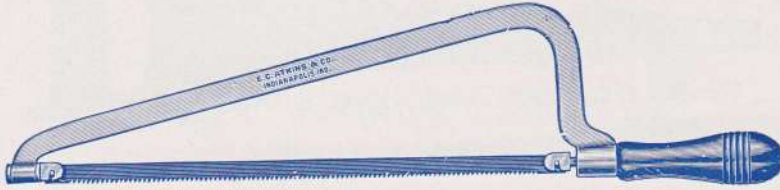
CALIFORNIA PRUNER.



Inches.....	12	14
Per dozen.....	\$6 75	7 75

All above put up one-third dozen in a box.

TAPERED PRUNING SAWS.

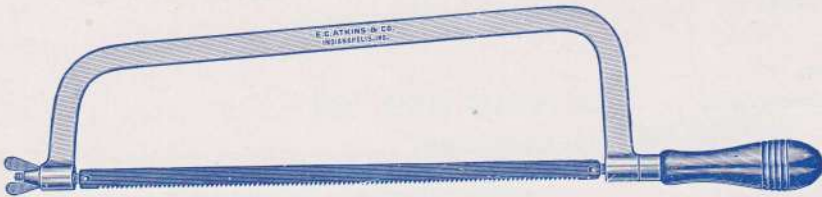


No. 5.

Polished Spring Steel Frame, Hardwood Handle, Double Swivel.

Length of Blades 14 inches, center to center of holes.

List price.....	Per dozen, \$18 00
List price extra blades.....	“ 4 00

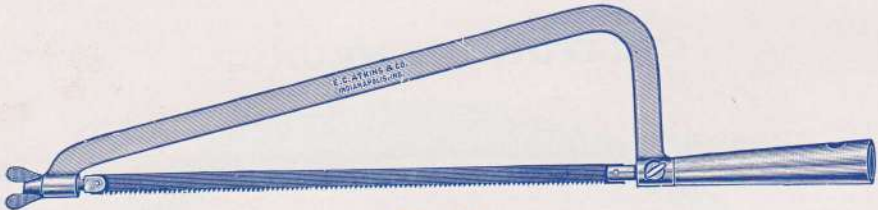


No. 6.

Polished Spring Steel Frame, Hardwood Handle.

Blade is adjustable and can be set to cut at any angle. Length of blade 14 inches, center to center of holes.

List price.....	Per dozen, \$18 00
List price extra blades.....	“ 4 00



No. 7.

Polished Spring Steel Frame, without Pole, Socket Handle.

Length of Blade 14 inches, center to center of holes.

List price.....	Per dozen, \$20 00
List price extra blades.....	“ 4 00

BUTCHER SAWS.

No. 1. OVAL STEEL BACK.



Oval Back, $\frac{3}{4}$ x $\frac{3}{8}$ inch. Silver-Steel Blade, Bright, Beech Handle.
 Three Nickeled Screws.

Inches.....	12	14	16	18	20	22	24
Per dozen.....	\$16 70	17 55	18 40	19 55	20 70	21 85	23 00

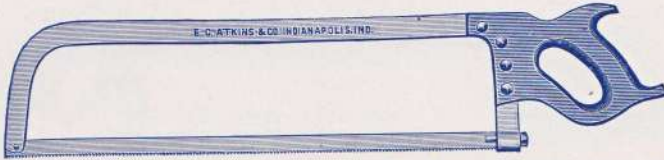
No. 2. FLAT STEEL BACK.



Flat Back, Square Edge, $\frac{3}{4}$ x $\frac{1}{4}$ inch. Special Steel Blade, Bright, $\frac{3}{4}$ -inch wide.
 Beech Handle. Three Blued Wood Screws.

Inches.....	12	14	16	18	20	22	24
Per dozen.....	\$13 00	13 60	14 45	15 30	16 15	17 00	17 85

No. 3. FLAT STEEL BACK.



Flat Back, Square Edge, $1 \times \frac{1}{4}$ inch. Silver-Steel Blade, Bright, $\frac{3}{4}$ -inch wide.
 Beech Handle. Four Nickeled Screws.

Inches.....	14	16	18	20	22	24	26	28
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90

No. 5. FLAT STEEL BACK.



Flat Back, Square Edge, $1 \times \frac{1}{4}$ inch. Silver-Steel, Blued Clock-Spring Blade, $\frac{3}{4}$ -inch wide. Beech Handle. Four Nickeled Screws.

Inches.....	18	20	22	24	26
Per dozen.....	\$25 00	26 00	27 00	28 00	29 00

Above put up one-third dozen in a box.

BUTCHER SAWS.

Continued.

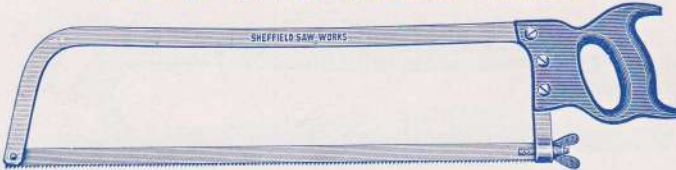
No. 7. FLAT STEEL BACK.



Flat Back, Square Edge, 1 x 1/4 inch. Silver-Steel Blade, Bright, 5/8-inch wide.
 Beech Handle. Four Nickeled Screws.

Inches.....	14	16	18	20	22	24	26	28
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90

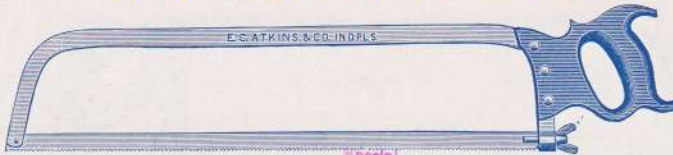
No. 77. FLAT STEEL BACK.



Flat Back, Square Edge, 3/4 x 1/4 inch. Special Steel Blade, Bright, 3/4-inch wide.
 Beech Handle. Three Nickeled Wood Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90	25 05

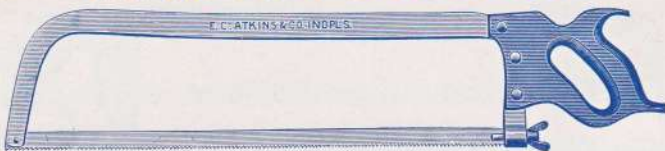
No. 78. FLAT STEEL BACK.



Flat Back, Square Edge, 3/4 x 1/4 inch. ^{Special} Silver-Steel, Blued, Clock-Spring Blade,
 3/4-inch wide. Beech Handle. Three Nickeled Saw Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$17 00	18 00	19 15	20 30	21 45	22 60	23 75	24 90	26 05

No. 79. FLAT STEEL BACK.



Flat Back, Square Edge, 1 x 1/4 inch. Silver-Steel Blade, Bright, 3/4-inch wide.
 Beech Handle. Three Nickeled Saw Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90	25 05

Above put up one-third dozen in a box.

BUTCHER SAWS.

Continued.

No. 10. FLAT STEEL BACK.



Flat Back, Square Edge, 1 x 1/4 inch. Silver-Steel Blade, Bright, 3/4-inch wide.
 Beech Handle. Four Nickel-plated Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90	25 05

No. 11. FLAT STEEL BACK.



Flat Back, Square Edge, 1 x 1/4 inch. Silver-Steel Blade, Bright, 3/4-inch wide.
 Beech Handle. Four Nickel-plated Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90	25 05

No. 12. FLAT STEEL BACK.



Flat Back, Square Edge, 1 x 1/4 inch. Silver-Steel Blade, Bright, 3/4-inch wide.
 Beech Handle. Four Nickel-plated Screws.

Inches.....	14	16	18	20	22	24	26	28	30
Per dozen.....	\$16 00	17 00	18 15	19 30	20 45	21 60	22 75	23 90	25 05

Put up one-third dozen in a box.

BUTCHER BLADES.



CLOCK SPRING-STEEL, BLUED.

3/4 inch to 1 1/4 inches wide, inclusive.

Inches.....	12	14	16	18	20	22	24	26	28
Per dozen.....	\$4 15	4 40	4 65	4 90	5 15	5 40	5 65	5 90	6 15

1 1/2 inches to 2 inches wide, inclusive.

Inches.....	16	18	20	22	24	26	28	30	32	34	36
Per dozen.....	\$6 00	6 25	6 50	6 75	7 00	7 25	7 50	7 75	8 00	8 25	8 50

PRICE LIST BUTCHER SAWS IN COILS.

MACHINE SET AND SHARPENED.



Inches.....	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
Per foot, list.....	\$0 12	0 14	0 16	0 18	0 20	0 22	0 24

Put up in coils in handsome cardboard boxes. Coils 25 feet in length will be sent unless otherwise ordered.

BEEF SPLITTING SAWS.



Flat Steel Back, Square Edge, 1 1/4 x 5/16 inches. Heavy Silver-Steel Blade, Bright, 1 3/4 inches wide. Four Nickered Screws in each Handle.

Inches.....	24	26	28	30	32	34	36
Each, complete.....	\$4 50	4 75	5 00	5 50	6 00	6 50	7 00
Blades only, per dozen.....	\$8 00	8 25	8 50	8 75	9 00	9 25	9 50

Packed one in a box.

PORK PACKERS' SAWS.



No. 1. OVAL STEEL BACK.

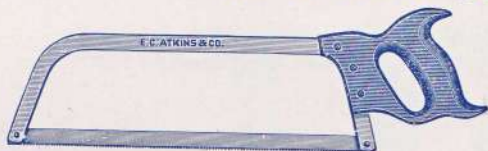
Oval Back, 5/8 x 3/8 inch. Silver-Steel, Blued Clock Spring Blade, 3/4 inches wide. Beech Handle. Three Nickered Screws.

Inches.....	14	16	18
Per dozen.....	\$17 50	18 50	19 50

Put up one-half dozen in a box.

KITCHEN SAWS.

No. 8. FLAT STEEL BACK.



Flat Back, $\frac{5}{8}$ x $\frac{3}{16}$ inches. Special Steel Blade, Bright, $\frac{5}{8}$ inch wide. Beech Handle, Three Blued Wood Screws.

Inches	12	14	16
Per dozen.....	\$5 00	5 00	5 00

No. 9. OVAL STEEL BACK. Sheffield Saw Works.

Oval Back, $\frac{1}{2}$ x $\frac{1}{4}$ inches. Special Steel Blade, Bright, $\frac{5}{8}$ inch wide. Beech Handle, Two Blued Wood Screws.



Inches	12	14	16
Per dozen.....	\$4 50	4 50	4 50

No. 13. FLAT STEEL BACK. Extra High Grade.



Flat Back, $\frac{5}{8}$ x $\frac{3}{16}$ inches. Silver-Steel Blade, Bright, $\frac{3}{4}$ inch wide. Beech Handle, Three Nickered Wood Screws.

Inches	12	14	16	18
Per dozen.....	\$8 50	8 50	8 50	8 50

No. 14. FLAT STEEL BACK. Extra High Grade.

Flat Back, $\frac{3}{4}$ x $\frac{1}{4}$ inches. Silver-Steel Blade, Bright, $\frac{3}{4}$ inch wide. Beech Handle, Three Nickered Wood Screws.



Inches	12	14	16	18
Per dozen.....	\$12 00	12 00	12 00	12 00

Put up one-half dozen in a box.

LIST KITCHEN SAW BLADES.

$\frac{5}{8}$ inch wide. Set and sharp (but not filed). Ready for use.

Inches	12	14	16	18	20	22	24	26	28
Per dozen.....	\$0 80	0 90	1 00	1 15	1 30	1 50	1 75	2 00	2 25

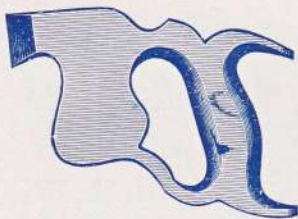
SAW KNIFE.



Price, per dozen, \$6.00.
 Saw Knives put up one dozen in a box.

HAND SAW HANDLES.

Price Does Not Include Screws.



	16-18-20 in.	22-24 in.	26 in.	28 in.
No. 51, 66 and 67, Apple.....	Per dozen, \$4 00	\$4 25	\$4 50	\$5 00
No. 64, Apple.....	6 25	6 50	7 00	7 50
No. 52, Apple.....	6 75	7 00	7 50	8 00
No. 53, 61, 65, 68, 69 and 73, Apple.....	4 50	4 75	5 00	5 50
No. 54, 74, Beech.....	2 50	2 75	3 00	3 50
No. 55, 56 and 76, Apple.....	3 50	3 75	4 00	4 50
No. 57, 60, Beech.....	1 50	1 60	1 75	2 00
No. 58, 59, Beech.....	2 00	2 10	2 25	2 50
No. 63, Beech.....	2 10	2 25	2 50	2 75
No. 62, Beech.....	1 25	1 35	1 50	1 75
No. 400, 401, Rosewood.....	15 50	16 50	18 00	19 50

MITRE BOX HANDLES.

	18-24 in.	26-32 in.
No. 1, Apple.....	Per dozen, \$3 50	4 00

BACK SAW HANDLES.

	8-12 in.	14-18 in.	20-24 in.
No. 2, Apple.....	Per dozen, \$2 75	3 00	.....
No. 3, Beech.....	1 50	1 75	2 00

COMPASS SAW HANDLES.

No. 2, Apple.....	Per dozen, \$2 00	Interchangeable, Beech	Per dozen, \$1 25
No. 3, Beech.....	1 25		

BUTCHER SAW HANDLES.

No. 1, Beech.....	Per dozen, \$2 00	No. 7, Beech.....	Per dozen, \$2 25
No. 2, Beech.....	1 75	No. 8, Kitchen, Beech	1 75
No. 5, Beech.....	2 50		

PRUNING SAW HANDLES.

No. 1, Beech.....	Per dozen, \$2 00	No. 2, Beech.....	Per dozen, \$1 75
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ONE-MAN SAW HANDLES.

No. 1, One-Man Handle... Per dozen, \$6 00	Supplemental	\$1 75
No. 2, One-Man Handle... " 3 00		

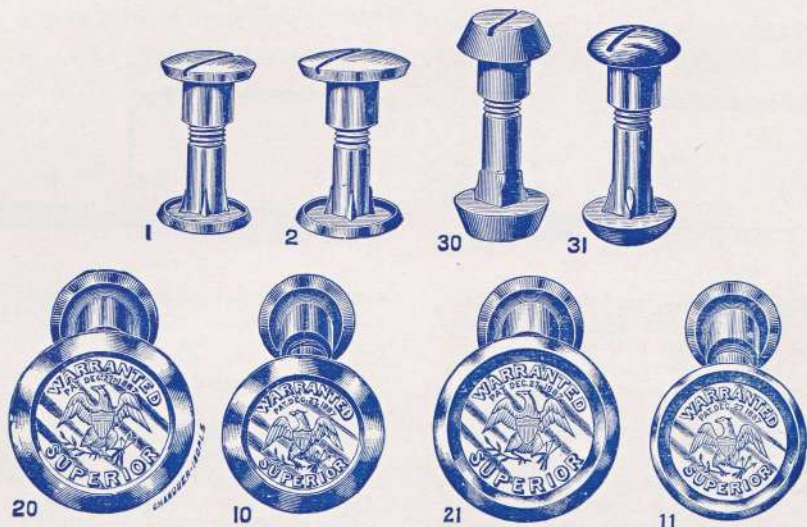
Screws for all Handles extra. Saw Handles put up one dozen in a box.

STITE'S PATENT DETACHABLE SAW HANDLE.



List price of Handle, only, \$25.00 per dozen.

ATKINS SAW SCREWS.



No. 1.	Oval Head, Plain Brass Screw, small, per gross.....	\$3 00
No. 2.	Oval Head, Plain Brass Screw, large, "	3 50
No. 10.	Eagle Medallion, small, per gross.....	4 50
No. 11.	" " " " " "	5 00
No. 20.	" " " large, "	5 50
No. 21.	" " " " " "	6 00
No. 31.	Button Head, Brass Screw, "	3 50
No. 30.	Raised Head, Iron Screw, "	3 00

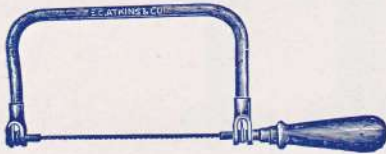
These Screws are put up one dozen assorted in small pasteboard boxes and one dozen of these packages are packed in a large carton.



Each assorted dozen contains three No. 1, three No. 2 and one each Nos. 30, 31, 20, 10, 21, 11.



Price per box, containing 1 dozen assorted Saw Screws.....	\$0 40
Price for Carton, containing 12 boxes, same as above.....	4 00

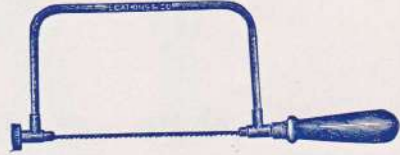
ATKINS LINE OF COPING SAWS.**"JONES" CABLE COPING
SAW No. 1.**

Patented February 8, 1898.

Frame is nickel plated and fitted with hardwood handle; furnished complete with one-half dozen blades, packed in cardboard boxes. Frame carries a 6-inch blade and is 4 inches deep from blade to back.

List price, per dozen, \$15.00.

Frames Nos. 1 and 7 are constructed with a tubular back, through which runs a cable connecting both ends of saw frame, which causes the blade to turn to any angle by turning the handle only, without removing it from the work.

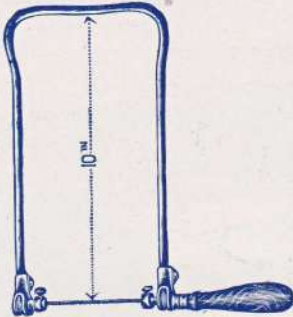
**"JONES" RATCHET
COPING SAW No. 2.**

Patented November 5, 1901.

Frame is nickel plated and fitted with hardwood handle; furnished complete with one-half dozen blades, packed in cardboard boxes. Frame carries a 6-inch blade and is 4 inches deep from blade to back.

List price, per dozen, \$9.00.

Frames Nos. 2 and 3 are constructed with a steel back and ratchet arrangement (see illustration) which enables the workman to set the blade at any angle by the handle and button at the other end of saw frame.

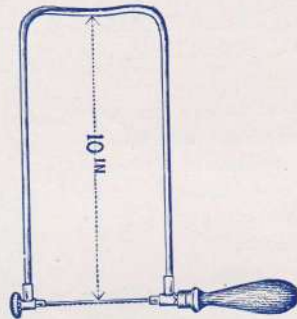
**"JONES" CABLE SCROLL
SAW No. 7.**

Patented February 8, 1898.

Special attention is called to the construction of the grips or clamps for holding the saw blades; they are strongly made of steel and hardened; when properly tightened the blade cannot slip. The frames are made to take a 5-inch saw blade and are 10 inches deep from blade to back.

Frame is nickel plated and fitted with hardwood handle; furnished complete with blade and packed in cardboard boxes.

List price, per dozen, \$18.00.

**"JONES" RATCHET
SCROLL SAW No. 3.**

Patented November 5, 1901.

Frame is nickel plated and fitted with hardwood handle; furnished complete with one-half dozen blades, packed in cardboard boxes. Frame carries a 6-inch blade and is 10 inches deep from blade to back.

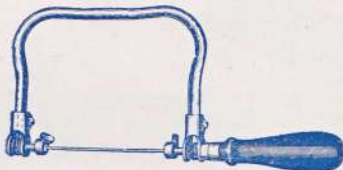
List price, per dozen, \$10.00.

Above put up one-sixth dozen in a box.

ATKINS COPING SAWS.

Continued.

"JONES" CABLE JEWELER SAW No. 6.



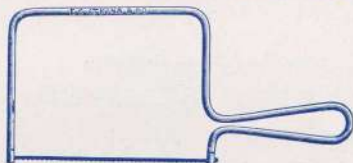
Patented February 8, 1898.

This frame is made to take a 5-inch saw blade and is 3½ inches deep from blade to back.

Frame is nickel plated and fitted with hardwood handle; furnished complete with blade and packed in cardboard boxes.

List price, per dozen, \$15.00

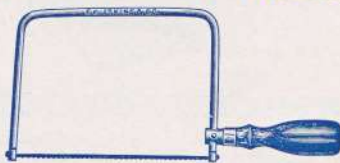
COPING SAW No. 100.



All wire, nickel plated, adjustable frame. 6-inch bent end blades. Depth from blade to back 4 inches.

Complete with one dozen extra blades,
 per dozen\$3 25
 Extra blades, per gross 1 66

COPING SAW No. 110.



Wire frame, nickel plated and adjustable, with black wood handle. 6-inch bent end blades. Depth from blade to back 4 inches.

Complete with one dozen extra blades,
 per dozen\$4 00
 Extra blades, per gross 1 66

COPING SAW BLADES.

The following list contains description and list prices of REGULAR and SPECIAL BLADES used in the "Jones" Patent Coping and Scroll Saw Frames.

COPING SAW BLADES.

6-inch, No. 10—For Nos. 1, 2 and 3 frames, per gross\$1 66
 This blade is put up regularly with the Nos. 1, 2 and 3 frames.

SPECIAL COPING OR WEB SAW BLADES.

½ inch wide, 12 points per inch.

6-inch—For Nos. 1, 2 and 3 frames,
 per dozen\$0 90
 This blade is for rapid work, where speed rather than fine smooth work is desired.

SCROLL OR FRET SAW BLADES.

5-inch, No. 10—For Nos. 6 and 7 frame, per gross\$1 40

This blade is put up regularly with the No. 7 frame.

List of Finer Sizes:

No. 6per gross, \$1 00
 No. 7per gross, 1 10
 No. 8per gross, 1 20
 No. 9per gross, 1 30

JEWELERS' SAW BLADES FOR METAL WORK.

5-inch, No. 4—Square Blade, for Nos. 6 and 7 frames, per gross\$1 40
 This blade is put up regularly with the No. 6 frame. Finer sizes, furnished if desired at same price.

SPECIAL JEWELERS' SAW BLADES.

For Metal Work.

5-inch, No. 8—For Nos. 6 and 7 frames, per gross\$1 90

This is a very thin, flat blade for fine work on metals. Nos. 4 and 6 (narrower), and Nos. 10 and 11 (wider) at same price.

SPECIAL HACK SAW BLADES.

For Metal Work.

¼-inch wide, .014-inch thick, 30 teeth per inch.

6-inch—For Nos. 1, 2 and 3 frames,
 per dozen\$0 75

5-inch—For Nos. 6 and 7 frames,
 per dozen 70

By using these blades a large variety of metal work can be done with our Coping Saw Frames.

ATKINS FLOOR AND CABINET SCRAPERS.

**THE "PERFECTION"
SCRAPER.**



ADJUSTABLE.

List price..... Per dozen, \$10 00
 Extra Blades, 3 x 3 in. Atkins Silver-Steel, 16 gauge, beveled..... " 1 40
 Put up one-half dozen in a box.

SPECIAL FLOOR SCRAPER BLADES.

High Temper. Beveled Edge.

3 x 3 3/8 inches..... Per dozen, \$1 40 3 x 6 inches..... Per dozen, \$2 00



CABINET SCRAPERS.



No. 1. SILVER-STEEL.

Six inches in length.

Per Doz.		Per Doz.	
2 in. wide....	\$1 00	4 in. wide....	\$1 80
2 1/2 " "	1 20	4 1/2 " "	2 00
3 " "	1 40	5 " "	2 20
3 1/2 " "	1 60		

COMMON QUALITY No. 2.

Six inches in length.

Per Doz.		Per doz.	
2 in. wide....	\$0 50	4 in. wide....	\$0 90
2 1/2 " "	60	4 1/2 " "	1 00
3 " "	70	5 " "	1 10
3 1/2 " "	80		

NOTE—Unless otherwise specified Common Quality Scrapers are sent on all orders.
 Put up one dozen in a box.

Cabinet Scrapers assorted one dozen in a box. No. 1.

inches wide,	5 inches long.
1-2 1/2	" " "
2-3	" " "
2-3 1/2	" " "
1-2 1/2	" " "
2-3	" " "
2-3 1/2	" " "
2-4	" " "

List price, per dozen for assortment, \$1.50.

No. 2.

inches wide,	5 inches long.
1-2 1/2	" " "
2-3	" " "
2-3 1/2	" " "
1-2 1/2	" " "
2-3	" " "
2-3 1/2	" " "
2-4	" " "

List price, per dozen for assortment, \$0.75.

THE "RAMS-HORN" FLOOR AND CABINET SCRAPER.



List price, per dozen, \$22.00.

Put up one each in a box.

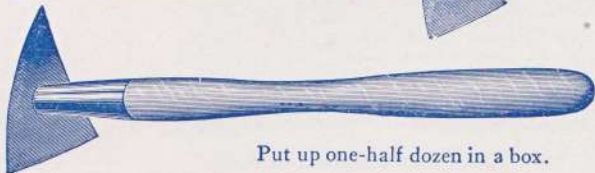
Extra Blades, Atkins Silver-Steel, 19 gauge, per dozen, 80 cents.

1.60

BENCH SCRAPERS.

No. 1. Curved Shank.

List price.....Per dozen, \$5 00
 Extra blades " 1 00



Put up one-half dozen in a box.



No. 2. Long Steel Thimble.

List price...Per dozen, \$5 00
 Extra blades, " 1 00



E. C. ATKINS & CO.
 INDIANAPOLIS, IND.

WALL SCRAPERS.

List price, per dozen.

3½ inch\$2 75
 4 " 3 00

BLADES ONLY.

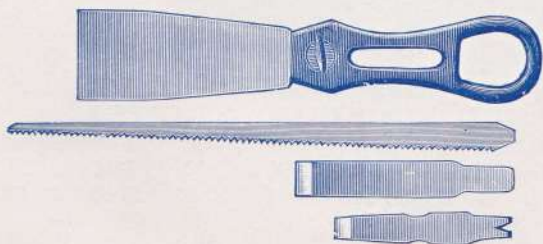
List price, per dozen.

3½ inch\$1 10
 4 " 1 35

Put up one-half dozen in a box.

ATKINS HANDY TOOL.

Set of Tools consists of Keyhole Saw and Pad, Putty Knife, Chisel, Screw Driver and Tack Claw. Put up one set in a box. Just the tools for home use.



PRICE PER DOZEN.

Handles\$0 70
 Keyhole Saws 1 60
 Putty Knives..... 1 50
 Chisels..... 1 00
 Screw Drivers and Tack Claws 1 00
 Tools, complete set..... 5 80

Price for one set Handy Tools, 50 cents. If sent by mail, 8 cents additional.

PLASTERING TROWELS.



No. 1. SILVER-STEEL FINISHING TROWEL.

Inches.....	10	10½	11	11½	12	12½	13
Per dozen.....	\$13 50	14 50	15 50	16 75	18 00	19 50	21 50



No. 2. CAST STEEL FINISHING TROWEL.

Inches.....	10	10½	11	11½	12	12½	13
Per dozen.....	\$12 00	13 00	14 00	15 25	16 50	18 00	19 50

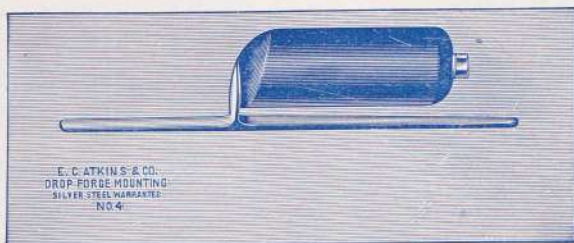


No. 3. SILVER-STEEL FINISHING TROWEL.

Inches.....	10	10½	11	11½	12	12½	13
Per dozen.....	\$23 50	24 50	25 50	26 75	28 00	29 00	31 50

Put up one-half dozen in a box.

PLASTERING TROWELS.



No. 4. SILVER-STEEL FINISHING TROWEL.

The finest, strongest and most desirable trowel on the market. Mounting is Drop-Forged Steel, with ten rivets. Handle is beveled off on the nose and fastened to shank with a hexagon nut; ebony finish and nicely polished.

Inches	10	10½	11	11½	12	12½	13
Per dozen.....	\$23 50	24 50	25 50	26 75	28 00	29 00	31 50

A SPECIAL TROWEL FOR EDGING CEMENT WALKS.



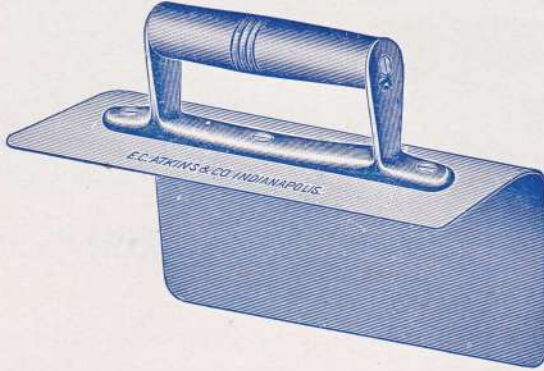
SILVER-STEEL, WARRANTED.

List price, 11½ inches long, per dozen, \$20.00.

Put up one-half dozen in a box.

SPECIAL SIDEWALK AND GUTTERING TROWELS.

CURBING TROWEL.

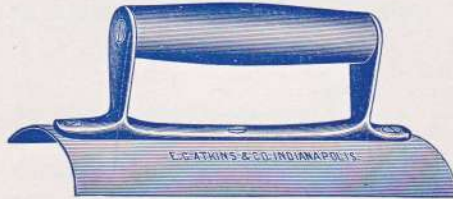


Silver-Steel Blade, 10 inches long, 5 inches wide, 5 inches deep, $1\frac{1}{2}$ inches radius.

List price, per dozen, \$30.00.

Other Sizes to Order. Prices on Application.

RADIUS TROWEL.



Silver-Steel Blade, 8 inches long, $2\frac{1}{2}$ inches radius, $\frac{1}{4}$ round.

List price, per dozen, \$30.00.

Other Sizes to Order. Prices on application.

GUTTERING TROWEL.



Silver-Steel Blade, 10 inches long, 5 inches wide, 5 inches deep, $1\frac{1}{2}$ inches radius.

This trowel will be furnished with either style handle.

List price, per dozen, \$30.00.

Other Sizes to Order. Prices on Application.

CORN KNIVES.

Made from Fine Crucible Steel, High Tempered, Fully Warranted.



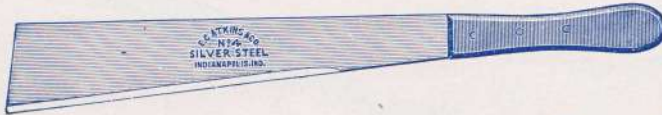
No. 1. Silver-Steel Corn Knife, polished bright..... Per dozen, \$3 50



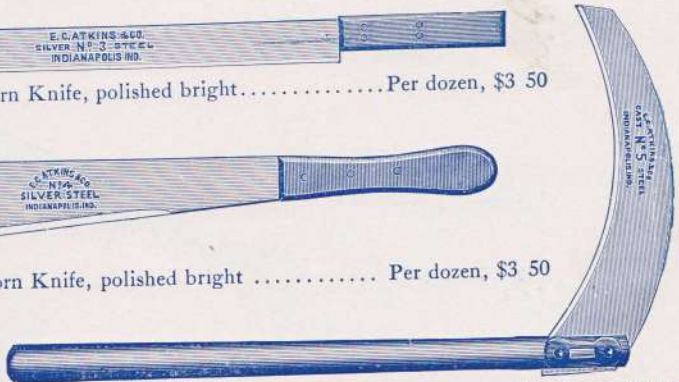
No. 2. Special Steel Corn Knife, painted red..... Per dozen, \$3 00



No. 3. Silver-Steel Corn Knife, polished bright..... Per dozen, \$3 50



No. 4. Silver-Steel Corn Knife, polished bright Per dozen, \$3 50



No. 5. Special Steel Corn Knife, painted red..... Per dozen, \$3 50



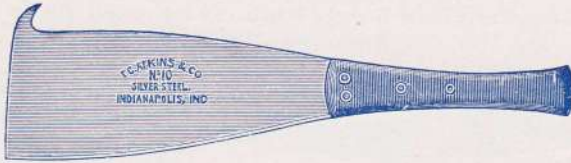
No. 7. Special Steel Corn Knife, self-colored..... Per dozen, \$3 50

HEDGE KNIVES.

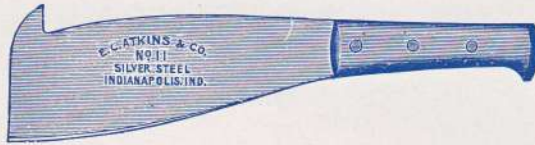


No. 8. Silver-Steel, polished bright..... Per dozen, \$5 00

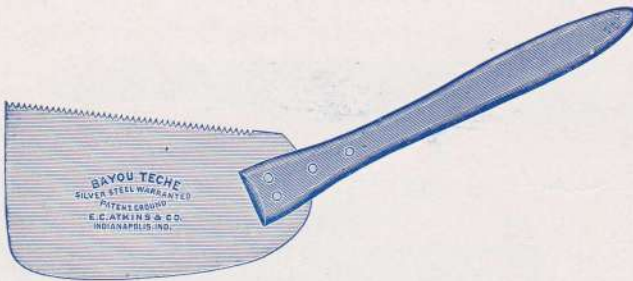
CANE KNIVES.



No. 10. Silver-Steel, 20 inches by 4 7/8 inches..... Per dozen, \$8 00
 Furnished with either straight or curved hook.



No. 11. Silver-Steel, 17 1/2 inches by 4 3/8 inches..... Per dozen, \$7 00
 Furnished with either straight or curved hook.



Bayou Teche, Silver-Steel. Length of blade with handle, 25 inches; length of blade only 11 1/2 inches; width of blade 6 1/2 inches.

List price, per dozen, \$9.00.

STRIKE KNIFE.

For Brickmakers' Use. Made from Tempered Steel.



34 inches long, 4 1/2 inches wide, 14 gauge, beveled on both edges, with two handles.

Price, per dozen, \$30.00.

Also furnished with strip on back edge, ground on one edge, with two handles, for same price.

BEET TOPPING KNIVES.

SILVER-STEEL. STRAIGHT KNIFE.



- No. 1. Straight blade, 14 gauge.....Per dozen, list, \$5 00
 No. 2. Straight blade, 11 gauge....." " 5 60

CURVED KNIFE.

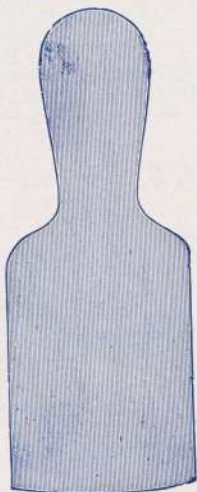


- No. 3. Curved blade, 14 gauge.....Per dozen, list, \$6 20
 No. 4. Curved blade, 11 gauge....." " 6 80

Packed one-half dozen in a box.

FLOUR TESTERS.

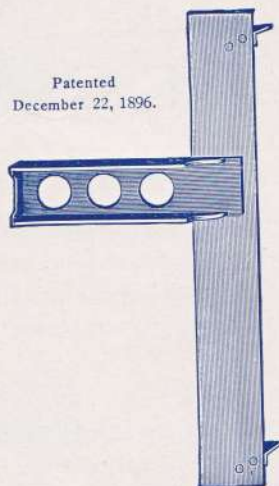
FINE POLISH.



- $3\frac{1}{4}$ x $8\frac{1}{2}$, fine polish.....Each, \$2 00
 3 x $6\frac{1}{4}$ " " 1 50
 2 x 6 " " 1 25
 Nickel plated, 50 cents each net additional.

SIDING AND TRY SQUARE.

Patented
 December 22, 1896.



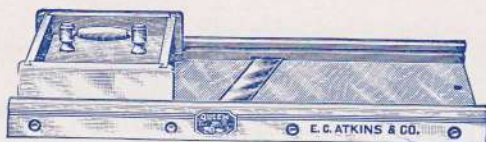
Price, per dozen, \$8.50.

This is a very convenient tool for use in putting on siding of all kinds; also for all other purposes where a Try Square is used.

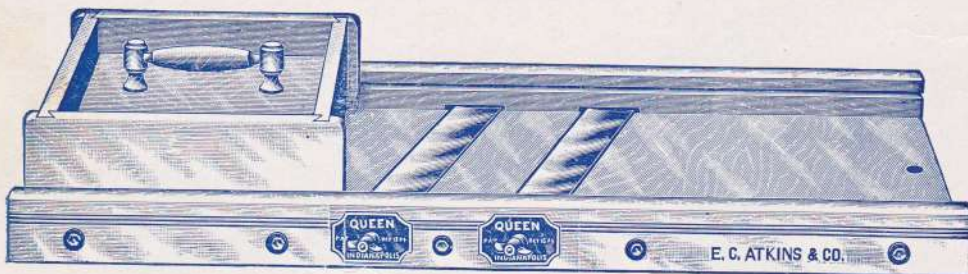
ATKINS QUEEN VEGETABLE SLICER.

Heavy Construction, Sugar Maple, Satin Finish in the White. Double Edge, Concave, Polished Knives. Nickel-Plated Fittings. Patent Sliding Box, Safety Lid.

Knives Cut Both Ways.



ONE-KNIFE SLICER, Nos. 1, 2 and 3.



TWO-KNIFE SLICER, Nos. 4, 5 and 6.

The knives lie flat and slice perfectly without clogging. Instantly adjustable to any cut. New anti-friction sliding box with adjustable lid. One knife in the "Queen Vegetable Slicer" will do more work with LESS EFFORT than three knives in any other style cutter.

No. 1, One Knife, 5 x 15, with box and lid.....	Per dozen, \$ 8 88
No. 2, One Knife, 6 x 18, with box and lid.....	" 11 11
No. 3, One Knife, 8 x 27, with box and lid.....	" 16 66
No. 4, Two Knives, 8 x 27, with box and lid.....	" 23 33
No. 5, Two Knives, 9 x 30, with box and lid.....	" 30 00
No. 6, Two Knives, 12 x 40, with box and lid.....	" 54 00

Packed one-half dozen in a crate.

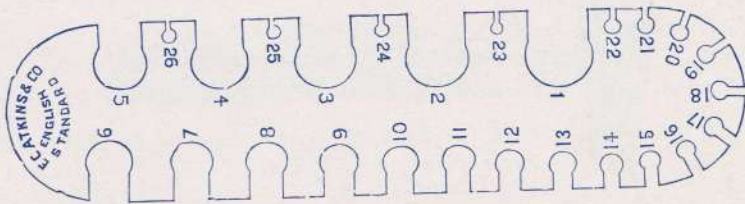
Saw Makers' Tools and Saw Mill Specialties

To accomplish the best results a workman must have suitable tools, and mills should be equipped with the latest improved appliances.

Our practical experience and knowledge of the requirements of saw makers and wants of the mills enable us to furnish a line of Tools and Mill Specialties adapted to meet their wants.

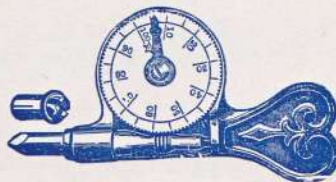
We invite your attention to the following list of Tools and Mill Specialties:

STANDARD WIRE GAUGES.



- | | |
|----------------------------------|--------------|
| Small Gauges, Nos. 1 to 26 | Each, \$1 25 |
| Round Wire Gauges | " 1 00 |

IMPROVED SPEED INDICATOR.



Correct and reliable. This instrument is very useful for accurately giving the speed of any machine or shaft when in motion. It is very important that the exact speed of saws be given, and with the Speed Indicator there can be no mistake. Every mechanic should have one.

Sent by mail, prepaid, with cap, for \$0.75.

SAW MAKERS' TOOLS.



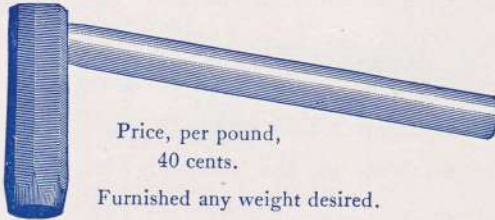
ANVILS, STEEL FACED.

Anvils weighing less than 180 pounds. Price..... Per pound, \$0 ¹⁷/₁₂

Anvils weighing 180 pounds or over. Price..... " ¹³/₁₂

We keep in stock Anvils 10 x 6 face, 86, 110, 145 pounds; 12 x 6, 250 pounds.

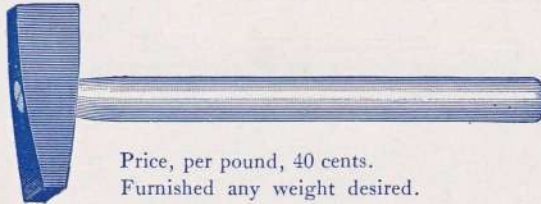
ROUND FACE HAMMER.



Price, per pound,
40 cents.

Furnished any weight desired.

SQUARE FACE HAMMER.



Price, per pound, 40 cents.
Furnished any weight desired.

STRAIGHT EDGE.



Inches.....	4	6	8	10	12	14	16	18	20
Price, each.....	\$0 40	0 45	0 50	0 55	0 65	0 75	0 87	0 95	1 05
Inches.....	24	28	30	36	40	44	48	52	54
Price, each.....	\$1 36	1 56	1 65	1 95	2 10	2 30	3 00	3 50	3 70
Inches.....	56	60	66	72	84	96	108	120	
Price, each.....	\$4 00	4 60	5 00	5 50	6 50	7 50	8 50	9 50	

LEVELING TABLE.



12 inches wide, 7 feet long, price \$12.00.

LEVELING BLOCK.

Surfaced on Both Sides.



12 inches wide, 2 inches thick.....	Per lineal foot, \$4 00
12 " " 2½ " "	" " 5 00
12 " " 3 " "	" " 6 00
12 " " 3½ " "	" " 7 00
12 " " 4 " "	" " 8 00

Other widths at proportionate prices.

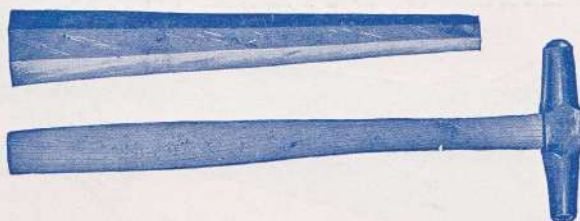
CIRCULAR AND MILL SAW SETS.

Made to suit saws of different sizes.



Large, for Circular Saws, double handle.....	\$1 50
Small, for Band Saws, single handle	1 00

BAR SWAGES AND HAMMER.



Hammer.....	Net, each, ¾ inch, \$1.00; 7/8 inch, \$1.25; 1 inch, \$1 50
No. 1, eight or six-sided, 11 x 1 x ½ inch.....	Net, each, 2 50
No. 2, " " 11 x 1¼ x 5/8 "	" 3 00
No. 3, " " 11 x 1½ x ¾ "	" 3 50
No. 4, " " 11 x 1¾ x 7/8 "	" 4 00

Every sawyer or filer should have one of these swages and hammers for drawing out short teeth, or swaging saws, before using the regular swage or upset.

ATKINS SWAGES.



ATKINS UPSET SWAGES.

No. 0, for large Circular Saws.....	\$3 00
No. 1, for large Circular Saws.....	2 75
No. 2, for small Circular and Mill Saws.....	2 25
No. 3, for small Circular Saws.....	1 75



ATKINS BAND AND CYLINDER SAW SWAGE.

No. 2 Swage, for Band and Cylinder Saws, \$2.25.

MIXTER'S DUPLEX SWAGES.

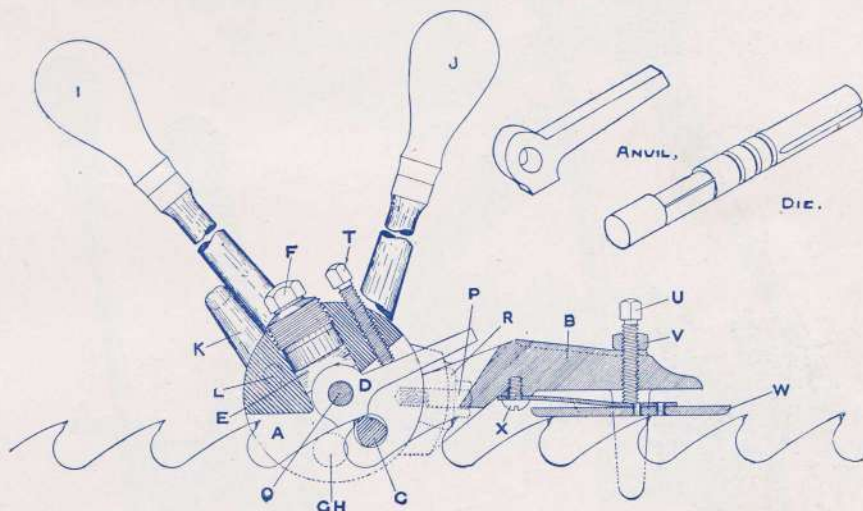


MIXTER'S PATENT SWAGES.

No. 3 Duplex Swage, largest size, for saws of from 5 to 10 gauge.....	\$7 00
No. 2 Duplex Swage, medium size, for saws of from 8 to 12 gauge.....	6 00
No. 1 Duplex Swage, for all thinner gauges.....	5 00
No. 0 Duplex Swage, for small, thin saws.....	4 00

ATKINS "AAA" SWAGE. FOR CIRCULAR AND BAND SAWS.

This improved Swage has features found in none of the Swages on the market to-day and is guaranteed to do better and more satisfactory work than any other. For ease of adjustment, durability of wearing parts and character and range of work, the "AAA" Swage is unequalled. We call your special attention to the Anvil adjustment feature in this tool—it is unnecessary to tip the block—the Anvil finds its own adjustment on the back of the tooth.



Price, "AAA" Swage, any size, \$25.00.

The Atkins "AAA" Swage is made in three sizes, to-wit:

No. 11 for Re-saw Bands and Circulars.....	18 gauge and thinner
No. 12 for Log Bands and Circulars.....	12 to 17 gauge
No. 13 for Circular Saws.....	6 to 10 gauge

In ordering give kind and gauge of Saw. In ordering dies give number of Swage.

Extra Dies for No. 11.....	Each, \$0 75
Extra Dies for Nos. 12 and 13.....	" 1 00

Two Dies go with Each Swage.

These dies are not interchangeable but must always be ordered for the corresponding number of Swage.

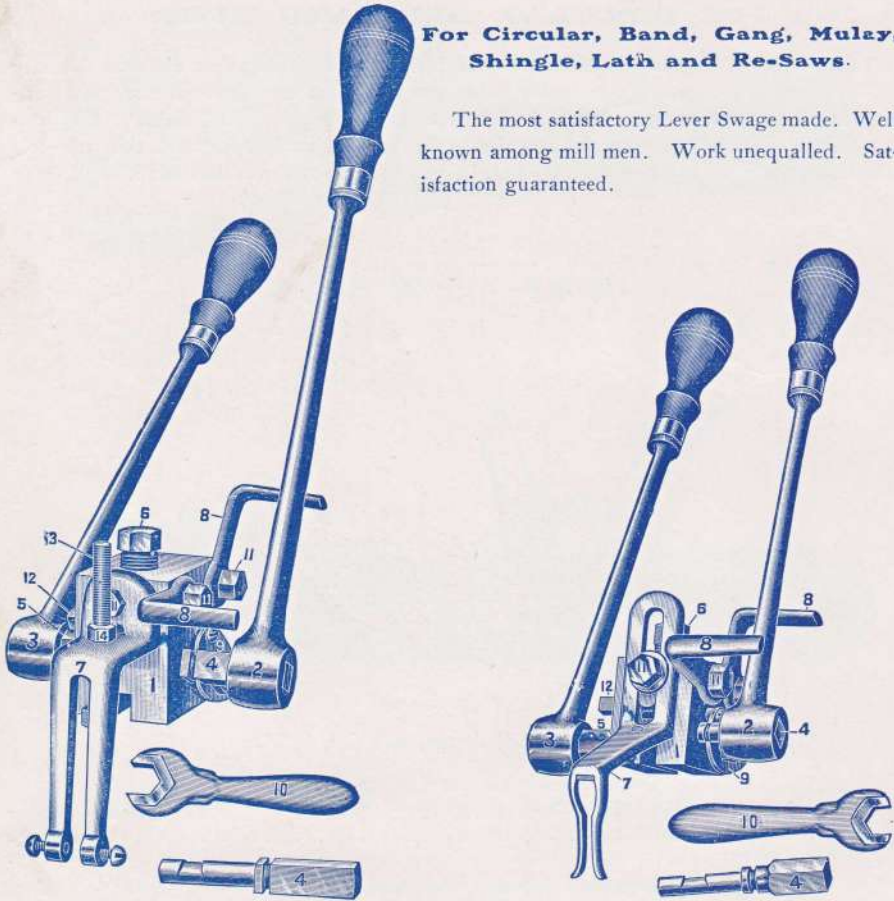
LIST OF PARTS OF "AAA" SWAGE.

- | | |
|------------------------------|--|
| A. Block. | M. Die Lock. |
| B. Guide. | N. B. H. Screw for Die Lock. |
| C. Die. | O. Anvil Pivot Screw. |
| D. Anvil. | P. Cap Screw for Adj. of Guide. |
| E. Anvil Shoe. | Q. Cap Screw for Adj. of Guide. |
| F. Anvil Shoe Screw. | R. Washer. |
| G. Clamping Screw. | S. Lock Nut for Clamping Screw. |
| H. Clamping Screw. | T. Set Screw for Rotary Adj. of Anvil. |
| I. Die Lever. | U. Set Screw for Adj. of Guide. |
| J. Clamping Lever. | V. Lock Nut for Set Screw "U." |
| K. Die Lever Stop. | W. Guide Spring. |
| L. Cap Screw for Lever Stop. | X. B. H. Machine Screw. |

VICTOR SWAGE.

For Circular, Band, Gang, Mulay, Shingle, Lath and Re-Saws.

The most satisfactory Lever Swage made. Well known among mill men. Work unequalled. Satisfaction guaranteed.



Price of Victor Swage, any size, \$25.00

We manufacture the Victor Swage in eight sizes for the various classes and gauges of saws, as follows:

- No. 1, for Circular Saws 6 to 8 gauge.
- No. 2, for Circular Saws 8 to 10 gauge.
- No. 3, for Gang and Mulay Saws 9 to 13 gauge.
- No. 4, for Circular Saws 10 to 13 gauge.
- No. 5, for Band and Gang Saws 16 to 18 gauge.

- No. 6B, for Band and Gang Saws 14 to 16 gauge.
- No. 6C, for Circular Saws 14 to 16 gauge.
- No. 7, for Band Saws 18 and 19 gauge.
- No. 8, for Band Saws 19 gauge and thinner.

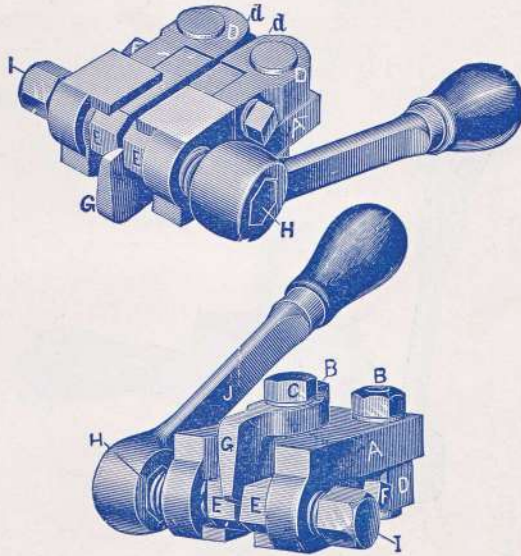
In ordering give kind and gauge of saw. In ordering Dies give the number on the Swage.

Extra Dies for Nos. 3, 4, 5, 6, 7 and 8, Each, \$0 75
 Extra Dies for Nos. 1 and 2, " 1 00

Two Dies go with each Swage.

These Dies are not interchangeable, but must always be ordered for corresponding number of Swage.

THE PRIBNOW PATENT SWAGE SHAPER.



THE ONLY SWAGE SHAPER THAT DOES PERFECT WORK.

This device is to be used in connection with a Victor, Hand or other Swage, and is designed to give perfect and uniform shape to the point of teeth on Band and Gang Saws, after they have been swaged. It compresses the point of the tooth, making it more durable, and at the same time giving it that form which affords the most perfect clearance and economy of power and lumber.

The advantages to be obtained by the use of the Pribnow Shaper on Band and Gang Saws are obvious. It is the invention of an expert, and has the endorsement of experts and users of Gang and Band Saws everywhere.

Care should be taken in using the Shaper not to put on more pressure than is necessary to shape the tooth, and bring the flat part of the jaws just up to the side of the tooth. More pressure than this is apt to spring the base or break it, and is entirely unnecessary.

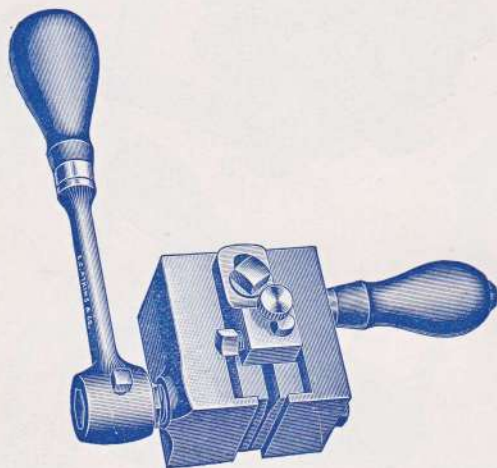
In ordering parts for repairs give the number of the shaper.

We manufacture this Shaper in three sizes for the following saws and gauges, to-wit:

- No. 1, for Band and Gang Saws from 12 to 16 gauge.
- No. 2, for Re-Saw and Shingle Saws from 16 to 24 gauge.
- No. 3, Special, for Large Band Saws from 6 to 12 gauge.

Price, any size, \$25.00.

THE PRIBNOW "IMPROVED" PATENT SWAGE SHAPER.



Price, \$25.00.

The Pribnow Improved Patent Swage Shaper, recently greatly improved in design and utility, has incorporated in its make-up the combined advantages of fifteen years practical experience of its Inventor and suggestions from many of the best Filers in the Country.

The Pribnow Improved Shaper is easy to operate and it has few parts, the adjustment of which are very accurate and all are in plain sight of the operator. The Shaper completes the work of the Swage. It compresses the Swaged point of the tooth, making it more durable and at the same time giving it that form which affords the most perfect clearance in the cut and insures smoother and better lumber and a saving in power.

The Pribnow Shaper was the first successful tool of its kind and its record speaks for itself. Over four thousand are now in use in the United States and other Countries and they are endorsed by the most practical Saw Filers and Mill Men everywhere.

This Shaper is made in three sizes, viz:

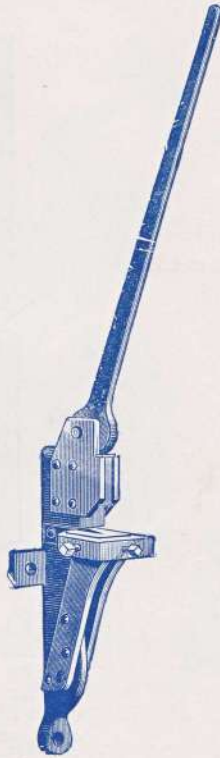
- | | |
|-------|------------------------------|
| No. 4 | for Saws from 6 to 10 gauge. |
| No. 5 | “ “ 10 to 16 “ |
| No. 6 | “ “ 17 to 24 “ and thinner. |

GUMMERS.

ATKINS PERFECTION GUMMER.

Price, \$30.00.

Including Mandrel, Belt and
Emery Wheel.



ATKINS PUNCH GUMMER.

For Band and Cross-Cut Saws.

Price, \$27.00.

Extra Dies, \$7.00.

We furnish Dies for shearing
Band Saws to be used
in this Gummer.

Price, \$8.00.

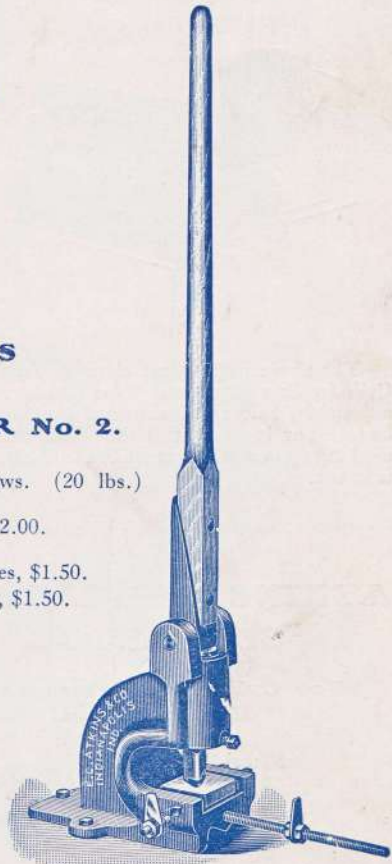
ROMER'S PUNCH GUMMER No. 2.

For Cross-Cut Saws. (20 lbs.)

Price, \$12.00.

Extra Punches, \$1.50.

Extra Dies, \$1.50.



CYLINDER SAW GUMMER.

Can be Used for Gumming any Kind of a Saw.



Price, \$25.00.

Including Belt and Emery Wheel.



No. 1.



No. 2.

The above cuts show what can be accomplished with the Atkins Cylinder Saw Gummer in patching cracks in band saws.

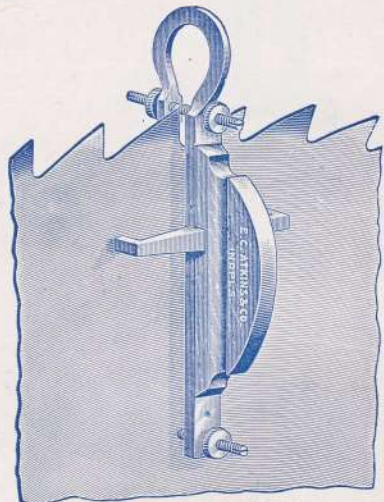
The operation is a very simple one. Lay the band flat on a bench and grind the crack from a little beyond its base to the edge, cutting entirely through the blade. Bevel the edge of the cut and then file out a small piece of steel to fit the opening. Braze and finish up the same as an ordinary braze.

The above illustrations show the Atkins Cylinder Saw Gummer. This Gummer is adjustable, being so constructed that it can be raised or lowered, and the wheel can be used at any desired angle while the Gummer is in use.

ATKINS SHINGLE SAW SET GAUGE.

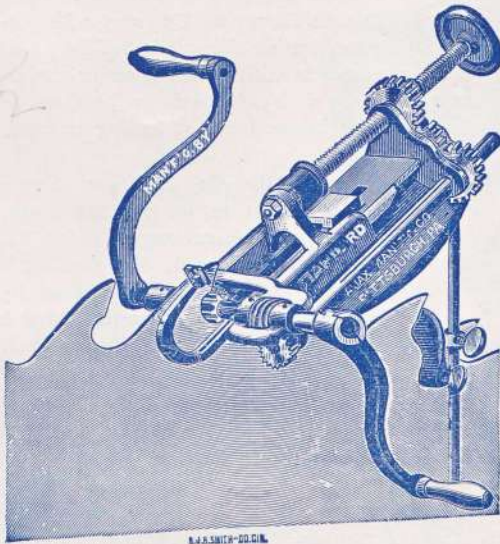
For Cylinder, Shingle and Heading Saws.

Nickel Plated, each, 75 cents.



THE "STANDARD" SAW GUMMER.

WARRANTED.



Has an automatic changeable self-feed, is very simple in construction, and beyond question a very complete and superior machine.

The "Standard" Saw Gummer complete, with three arbors, two cranks and wrench, with four solid cutters, any size on list, and one cutter grinder.

List, \$20.00.

The "Standard" Saw Gummer complete, with three arbors, two cranks and wrench, with two inserted tooth cutters, any size on list, and fifty teeth.

List, \$20.00.

THE "I X L" SAW GUMMER.

WARRANTED.

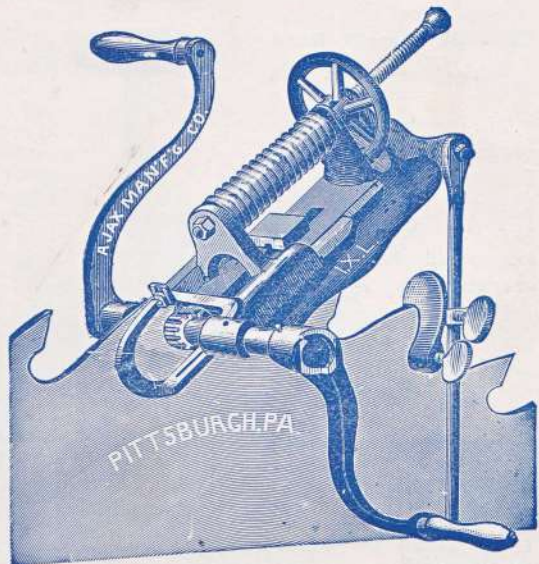
Has a changeable self-feed, but is not automatic. It is pronounced first-class by those using it, and we sell it as such. It is designed especially as a low-priced Gummer; is strong and will do its work thoroughly.

The "I X L" Saw Gummer complete, with three arbors, two cranks and wrench, with three solid cutters, any size on list, and one cutter grinder.

List, \$15.00.

The "I X L" Saw Gummer complete, with three arbors, two cranks and wrench, with one inserted tooth cutter, any size on list, and fifty teeth.

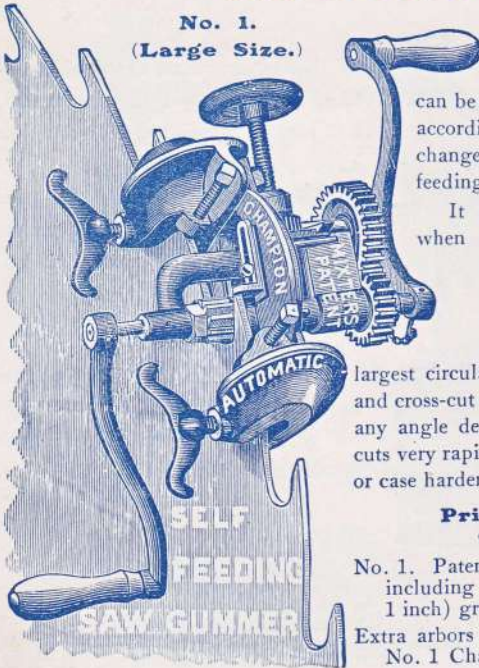
List, \$15.00.



MIXTER PATENT, CHAMPION GUMMER.

WITH AUTOMATIC SELF-FEED.

No. 1.
(Large Size.)



The engraving represents Mixer's Famous Champion Gummer, with patent adjustable Automatic Self-Feed. It can be regulated at will to feed faster or slower, according to the work to be performed, and can be changed in an instant from self-feeding to hand-feeding.

It is self-acting, throwing itself out of gear when the teeth are cut to the required depth, making them of uniform length.

The Champion has the lateral or oscillating movement of the cutter, and is fully adjustable to all kinds of saws, from the largest circular to the smallest in general use; also mill and cross-cut saws. The line of the teeth can be cut at any angle desired from horizontal to perpendicular. It cuts very rapidly, and with no risk of bending, breaking or case hardening the saw.

**Price List Mixer's Patent
Champion Gummers.**

- No. 1. Patent Automatic Self-Feeding Gummer, including three cutters (usual size, $\frac{3}{4}$, $\frac{7}{8}$ and 1 inch) grinder and wrench \$30 00
- Extra arbors for $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ -inch cutter for No. 1 Champion Gummers, net..... 2 00

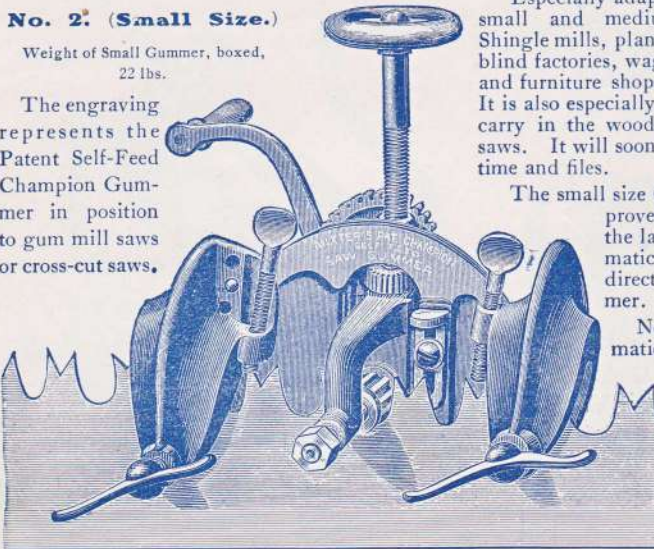
MIXTER PATENT, CHAMPION GUMMER.

WITH AUTOMATIC SELF-FEED.

No. 2. (Small Size.)

Weight of Small Gummer, boxed,
22 lbs.

The engraving represents the Patent Self-Feed Champion Gummer in position to gum mill saws or cross-cut saws.



Especially adapted to cross-cut saws, and small and medium circular saws, etc. Shingle mills, planing mills, sash, door and blind factories, wagon and carriage, pattern and furniture shops, all need this gummer. It is also especially handy for lumbermen to carry in the woods for gumming cross-cut saws. It will soon pay its cost in saving of time and files.

The small size Champion has all the improvements and advantages of the large size Champion Automatic Self-Feed Gummer. Full directions sent with each Gummer.

- No. 2 Mixer Patent Automatic Self-Feeding Champion Gummer, including three cutters $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{3}{8}$ -in. grinder and wrench.

List Price, \$25.00.

Extra arbor for $\frac{3}{8}$ in. cutter for No. 2 Champion Gummers,

Net, \$1.50.

GUMMER CUTTERS.



Prices of Gummer Cutters.

For Mixer's, Standard, I. X. L., Boss and Disston's Gummers. When ordering give make of Gummer.

Size, inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Each	\$0 50	0 50	0 50	0 60	0 70	0 80	0 90	1 00	1 25	1 75

STONE'S GUMMER CUTTERS.

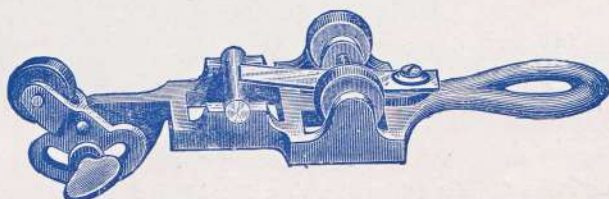
Size, inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Each	\$0 50	0 50	0 75	1 00	1 25	1 50

STAR GUMMER CUTTERS.

Size, inches.....	$\frac{3}{4}$	$\frac{7}{8}$	1
Each.....	\$0 55	0 60	0 65

NOTE.—In ordering cutters, be sure and give size of hole, as well as size of cutter required, or you can send us an impression of one end of cutter on paper. Be particular to state what Gummer they are to be used in.

IMPROVED CUTTER GRINDER.

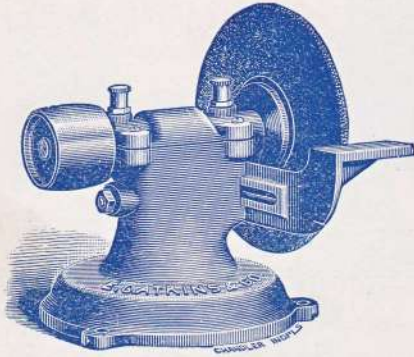


Price, \$1.00.

Grinds cutters perfectly round and true. We give a Grinder free with each Gummer.

EMERY WHEEL SAW GUMMERS.

AA GUMMERS.



SPECIFICATIONS.

Diameter of pulley, 3 inches.

Face of pulley, $2\frac{3}{8}$ inches.

Will carry wheel 10 inches in diameter, $1\frac{1}{4}$ inch face.

Price, each, \$8.00.

Emery Wheels extra.

AAA GUMMERS.

Same pattern as AA, illustrated above. Larger and for heavier work.

Pulley diameter, $3\frac{1}{4}$ inches; face, $2\frac{1}{2}$ inches; carry wheel, $14 \times 1\frac{1}{2}$ inches.

Price AAA Gummers, each, \$12.00.

Emery Wheels extra.

ATKINS DOUBLE END GRINDER.

SPECIFICATIONS.

Spindle—Steel, 21 inches long, 1 inch in bearings and $\frac{7}{8}$ inch between flanges.

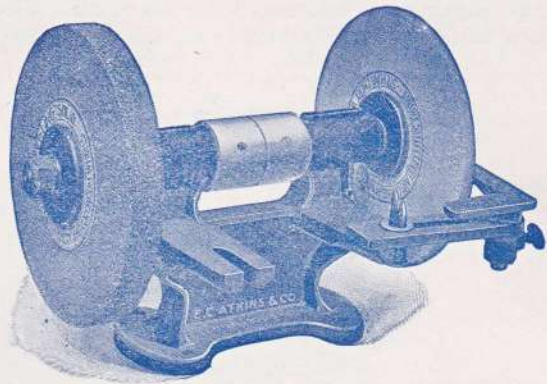
Bearings—Each 4 inches long, with lubricating device.

Pulleys—Tight and loose pulley, each $2\frac{1}{2}$ inches in diameter and 3 inch face.

Flanges—4 inches in diameter.

Weight—46 pounds.

Height—From base to center of spindle, 8 inches.



The above cut shows Grinder equipped with a $12 \times 1\frac{1}{2}$ inch square faced wheel for tool grinding on one end, and a $12 \times \frac{5}{8}$ inch wheel for saw gumming on the other end.

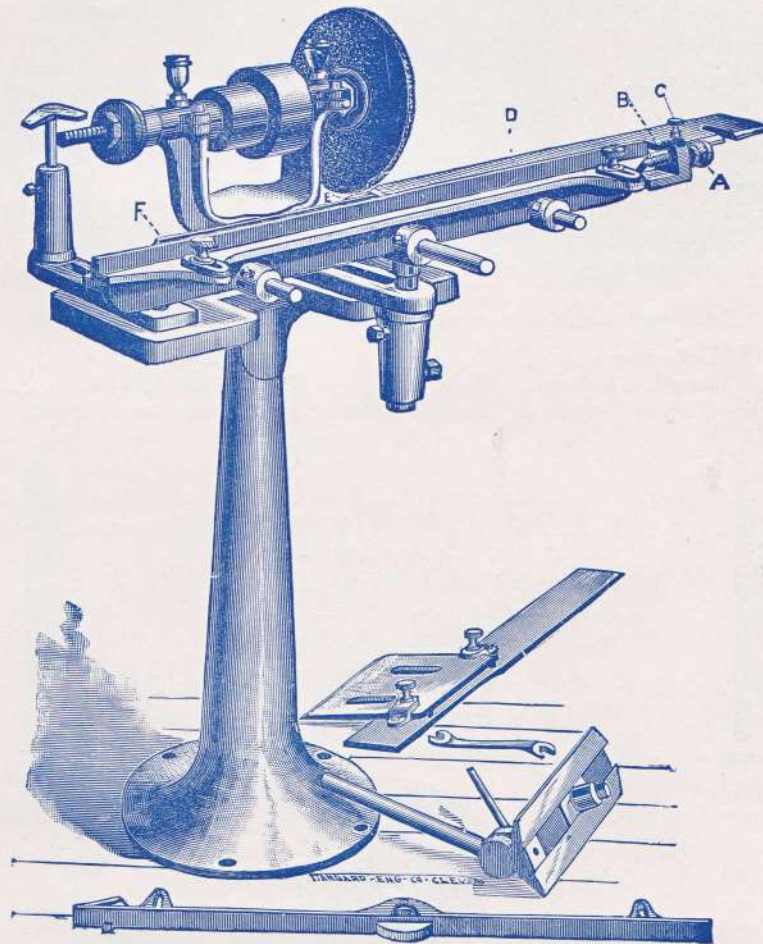
Price, each, \$10.00.

Emery Wheels extra.

THE VARIETY EMERY GRINDER.

(Patented February 9, 1886.)

Will take 12 x 2-inch Wheels, 3/4-inch Mandrel Hole.



Price of Machine only, without Emery Wheels.....	\$60 00
Countershaft, extra.....	10 00
Wheel Gauge, extra.....	5 00
Saw Gummer, extra.....	5 00



ATKINS PURE CORUNDUM WHEELS.

Solid wheels (not wire web) are designated "V."

Wire web wheels are designated "W."

Thin wheels, made by the elastic process, are designated "E."

In ordering always state whether solid or wire web wheels are preferred.



For Saw Gunning, Knife Grinding, etc., we have found our AAA SOLID Pure Corundum Wheels best adapted for the work.

We will always send "Elastic" wheels when less than one-fourth inch thick unless otherwise advised.

Give the following information in the order stated to insure proper fulfillment of order:

First—Diameter.

Second—Thickness.

Fifth—Kind of Work to be done or material on which wheels are to be used.

Third—Size of Hole.

Fourth—Shape of Face.



Concave.
(Round and Bevel Face.)

If CONCAVE WHEELS are wanted, state whether HALF CONCAVE (that is concave on one side and straight on the other) or FULL CONCAVE (sometimes called saucer or dish shape) which are concave and convex.

Concave wheels are used extensively on automatic sharpeners.



Full Concave.
(Round and Bevel Face.)



If CUP WHEELS are wanted, give the outside diameter, the length of cylinder, diameter of hole, thickness of rim and thickness of back shell.

Warranty—If specifications are correctly given we assume all responsibility for the wheels and ship them under an ABSOLUTE WARRANTY THAT THEY WILL PROVE SATISFACTORY FOR THE WORK SPECIFIED AND ARE THE BEST ON THE MARKET

ATKINS



EMERY WHEELS.



Solid.



Wire Web.

When ordering always state whether "Solid" or "Wire Web" wheels are wanted. Always give diameter of wheel, thickness, size of hole, shape of face and purpose for which to be used.

For convenience in designating the many different grades in hardness of which it is necessary that emery wheels be made, in order to successfully apply to the great variety of uses now required of them, we have adopted the following list of comparative grade marks.

EXPLANATION.

- W } **Extremely Soft.**
- H }
- 2-H }
- A } **Very Soft.**
- 1-A }
- 2-A }
- 3-A }
- B } **Soft.**
- 1-B }
- 2-B }
- 3-B }
- C } **Medium Soft.**
- 1-C }
- 2-C }
- 3-C }

- D } **Medium.**
- 1-D }
- 2-D }
- 3-D }
- E } **Medium Hard.**
- 1-E }
- 2-E }
- 3-E }
- F } **Hard.**
- 1-F }
- 2-F }
- 3-F }
- G } **Very Hard.**
- Y }
- Z }
- 2-Z }

The intermediate letters between those designated as Soft, Medium Soft, etc., indicate so many degrees harder or softer; e. g., 3 c is one grade or degree softer than Medium; 2 d, two degrees harder than Medium but not quite Medium Hard.

EMERY AND CORUNDUM WHEELS.

Standard Price List.

Always give diameter of wheel, thickness, size of hole, shape of face and for what purpose used.

Diam. in Inches.	THICKNESS OF WHEELS IN INCHES.							Diam. in Inches.	No. of Revolutions per Minute.
	1/4	3/8	1/2	5/8	3/4	1	1 1/4		
3	\$0 50	\$0 63	\$0 75	\$0 85	\$0 95	\$1 10	\$1 25	3	7,400
4	80	95	1 10	1 23	1 35	1 60	1 90	4	5,500
5	1 00	1 20	1 40	1 60	1 80	2 10	2 60	5	4,400
6	1 40	1 58	1 75	2 13	2 50	3 05	3 70	6	3,600
7	1 85	2 08	2 30	2 73	3 15	3 95	5 00	7	3,150
8	2 12	2 36	2 60	3 10	3 60	4 50	5 70	8	2,750
9	.....	2 83	3 15	3 50	3 85	4 90	6 80	9	2,450
10	.....	3 35	3 70	4 40	5 10	6 60	8 10	10	2,200
12	.....	3 75	4 00	5 00	6 00	7 40	9 00	12	1,850
14	.....	.....	6 20	7 45	8 70	10 70	13 25	14	1,600
16	.....	.....	.....	.....	11 00	13 70	16 90	16	1,400
18	.....	.....	.....	.....	13 75	17 00	21 75	18	1,250
20	.....	.....	.....	.....	.....	20 00	25 00	20	1,100
22	.....	.....	.....	.....	.....	.....	29 87	22	1,000

Diam. in Inches.	THICKNESS OF WHEELS IN INCHES.							Diam. in Inches.	No. of Revolutions per Minute.
	1 1/4	1 3/4	2	2 1/2	3	3 1/2	4		
3	\$1 35	\$1 45	\$1 60	\$1 85	\$2 10	\$2 60	\$3 00	3	7,400
4	2 20	2 50	2 75	3 25	3 85	4 60	5 00	4	5,500
5	3 00	3 45	3 80	4 65	5 40	6 40	7 40	5	4,400
6	4 30	5 00	5 60	6 90	8 25	9 50	11 00	6	3,600
7	5 60	6 40	7 25	8 90	10 55	11 10	12 60	7	3,150
8	6 40	7 60	8 30	10 20	12 05	14 00	16 00	8	2,750
9	8 05	9 25	10 50	12 95	15 40	19 00	21 75	9	2,450
10	9 50	11 00	12 40	15 35	18 15	21 00	23 80	10	2,200
12	10 70	12 75	14 05	17 40	20 75	24 25	27 50	12	1,850
14	15 20	17 80	19 50	24 20	26 75	28 70	30 70	14	1,600
16	19 40	22 00	25 00	30 80	36 50	43 00	48 75	16	1,400
18	24 50	28 75	32 00	39 50	47 00	54 50	62 00	18	1,250
20	29 00	34 00	38 00	47 00	56 00	66 00	75 00	20	1,100
22	35 50	41 12	46 75	58 00	69 25	80 50	91 75	22	1,000
24	43 00	50 00	57 00	71 00	85 00	99 00	113 00	24	920
30	.....	.....	87 50	109 00	131 00	153 00	175 00	30	735
36	.....	.....	127 00	157 00	188 00	219 00	250 00	36	615

EMERY CYLINDERS AND CUP WHEELS.

The following list is figured on a basis of Cylinders 7 inches long, other lengths at proportionate rates. To obtain price of Cup Wheels, add the price of a regular wheel, whose diameter is the inside diameter of the cylinder, and thickness whatever is required.

Diameter in Inches.	THICKNESS OF RIM.						
	1	1 1/2	2	2 1/2	3	3 1/2	4
8	\$15 50						
9	16 50	\$22 00					
10	17 75	24 25	\$29 50				
12	18 75	26 25	33 00	\$38 75	\$44 00		
14	22 50	31 00	38 50	45 50	51 50	\$57 50	\$61 50
16	26 00	35 75	44 60	53 00	60 25	67 60	73 00
18	28 80	40 25	51 40	61 40	71 00	79 00	86 90
20	30 90	44 00	56 25	67 40	78 50	87 60	97 00
22	35 00	49 75	65 00	79 40	91 50	103 90	115 50
24	37 50	54 25	70 50	86 25	99 50	113 60	126 60
26	39 75	59 80	77 00	93 00	109 25	124 75	139 25

HUNTINGTON EMERY WHEEL DRESSER



For turning, shaping, sharpening and removing glaze from solid emery wheels, running at full speed.



Price, Huntington Emery Wheel Dresser, each, 75 cents.

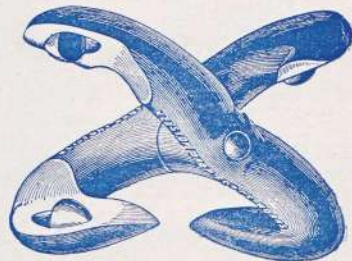


Cutters, per set, 15 cents.

THE "KEYSTONE" CONNECTING LINK.

Patented.

The Keystone Link is Drop Forged from Bar Steel and Forms the Strongest Link in the Chain. Imitations are made of Malleable Iron Castings and are Comparatively Worthless.



The Keystone Connecting Link for connecting new or repairing broken chains of all kinds—is composed of two corresponding halves centrally pivoted on the same axis. As shown by the illustration herewith, the inner flat face of each member is pivoted with a projecting lug and recess, so that when closed and in use they mutually interlock, and by abutting against each other, lateral displacement of the two halves, and their consequent spreading or parting—is rendered impossible. The Keystone Link is drop forged from an especially tough grade of bar steel, is the only one so made, and must not be confused with similar devices which are simply malleable iron castings.

As everyone knows, "a chain is only as strong as its weakest link." You would not buy a malleable or cast iron chain—why then repair a wrought chain with a cast link, thereby definitely fixing its point of failure?

THEIR STRENGTH—They have been proven by numerous tests to be as strong as a solid welded chain link of corresponding size, and being made of steel in place of iron, they are in point of fact the strongest link of the chain in which they are used.

Price List.

Size, inches.....	¼	⅜	½	¾	1	1 ¼	1 ½	1 ¾	2
Per dozen.....	\$2 00	2 25	2 50	3 25	4 00	7 50	10 00	15 00	15 00

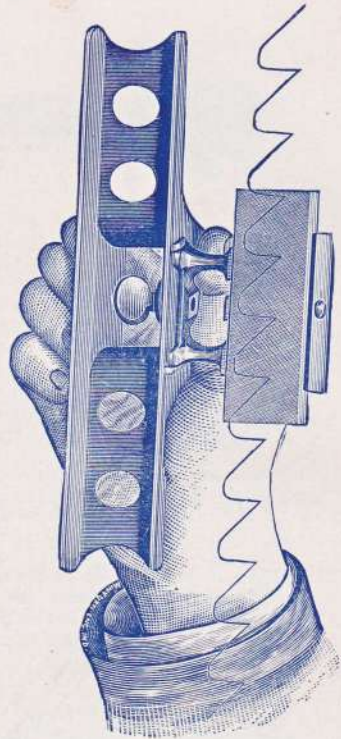
Sizes up to one-half inch packed one dozen in a box, or shipped in bulk if desired.

ATKINS PATENT SIDE FILES.



The Adjustable No. 1.

The No. 1 File is the simplest tool ever invented for the purpose. The width of the set or swaged tooth is regulated by a single set screw. The clamp for holding the file is adjustable, permitting the use of any kind of file, if one of our files made especially for them can not be easily obtained. This tool is especially adapted for Circular Saws.



The Adjustable No. 2.

The No. 2 File is adjustable for holding any kind of file, similar to the No. 1, and by its shape is peculiarly adapted for long saws, such as Band and Gang Saws. It can be used on blades down to two inches in width, and as wide as desired. No one who runs such saws should be without this tool. It is also preferred by some on Circular Saws.

Price.

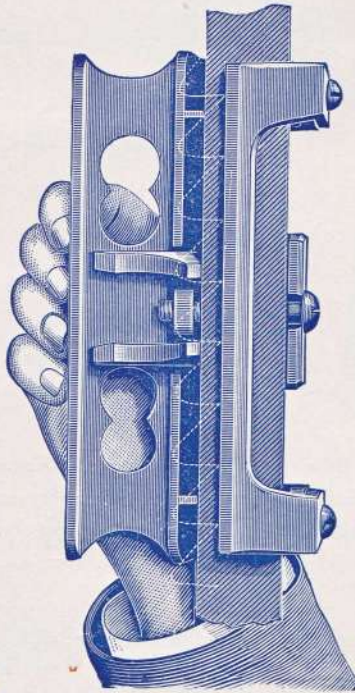
No. 1, for Circular Saws.....	Each, \$1 00
No. 2, for Band, Gang and Circular Saws	“ 1 00
No. 3, for Band Saws	“ 1 00
Extra Files for Nos. 1 and 2.....	Per dozen, 1 50
Extra Files for No. 3.....	“ 2 00

Side Files are used for the purpose of regulating saw teeth after they have been set. It is impossible to set or upset a saw so that some of the teeth will not extend or be bent over a little more than others, and thus make rough lumber. By the use of these instruments all the teeth are made even; and a saw thus regulated will run twice as long without sharpening, and do much better work.

The reputation of our Adjustable Side Files is fully established, being acknowledged as most convenient and accurate tools. No. 2 is entirely novel in its construction and adaptability. It is easily operated, and insures accurate work.

ATKINS PATENT SIDE FILE No. 3.

FOR BAND AND GANG SAWS.

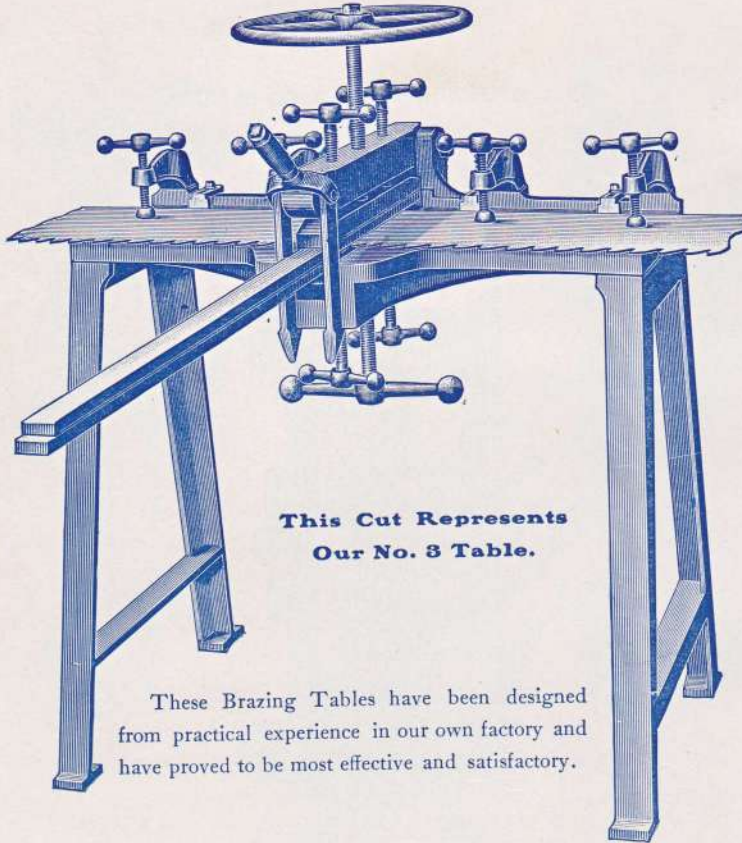


The Adjustable No. 3.

Price, \$1.00.

The No. 3 File is adjustable for holding 8-inch and 9-inch files, and so arranged that the file can be tilted to any desired angle. A gauge passes over the points of the teeth, bringing the file in proper position for doing the work. The No. 3 File is for all long saws. It can be used on any width of blade.

ATKINS BRAZING TABLES.



**This Cut Represents
 Our No. 3 Table.**

These Brazing Tables have been designed from practical experience in our own factory and have proved to be most effective and satisfactory.

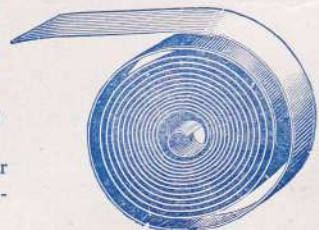
No. 1, without legs, for brazing Band Saws up to 12 inches wide.....	\$30 00
No. 2, without legs, is much heavier than our No. 1 and is suitable for brazing Band Saws up to 14 inches wide.....	36 00
No. 2x, without legs, for Bands to 16 inches wide.....	45 00
No. 3, with legs, otherwise same as No. 2.....	45 50
No. 3x, with legs, otherwise same as No. 2x.....	54 00

SILVER SOLDER.



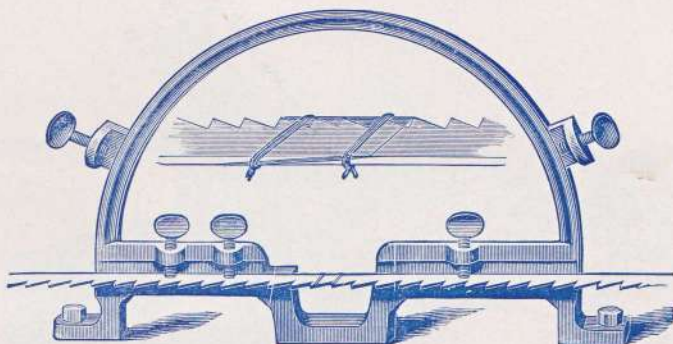
The successful brazing of Band Saws largely depends on the solder used. We use, and keep constantly in stock, special Silver Solder that has proved to be the best adapted for brazing tempered steel.

We will furnish Silver Solder at the lowest market price, predicated on the price of silver.



BRAZING AND FILING CLAMPS.

FOR BRAZING NARROW BAND SAWS.



Price, each, \$2.50.

DIRECTIONS FOR BRAZING.

Bevel the ends of saw about one-half inch, and bind firmly together with two or three strands of very fine wire. Fasten the saw in position with the set screws in clamp; place a small piece of silver solder on the lap, and cover with powdered borax. The braze can then be made either with our alcohol lamp with automatic blower, or with the common brazing tongs. Use the half circle of clamp when filing the bevel and in finishing up the braze.

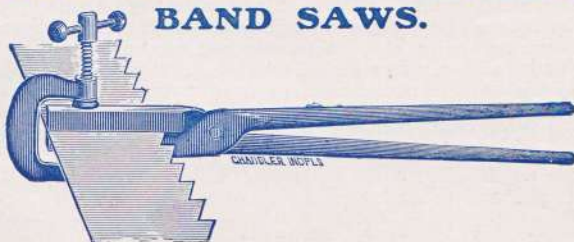


DIRECTIONS FOR USING LAMP.

Use alcohol in both lamps and in the blower, having the blower about half full. Light both wicks in the lamps and place the heating lamp in position under the blower. See that the blow pipe is directed against the base of the blaze, and in a moment, as the alcohol becomes heated, the flame can be sent in any direction, and the weld quickly made. As the solder melts, spread it evenly over the surface of the saw with the point of a file.

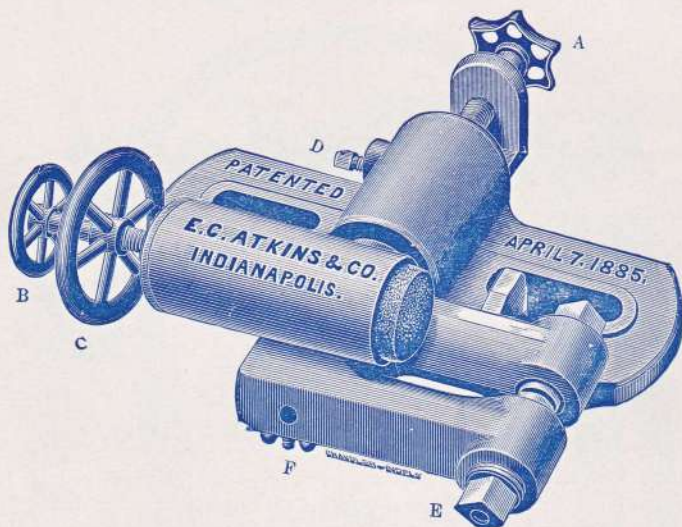
Price, each, \$3.00.

BRAZING TONGS AND CLAMPS FOR BAND SAWS.



To braze from 2 to 6-inch, with clamp.....Each, \$5 00
 For bands 1½-inch and under, no clamp.....“ 2 00

ATKINS PATENT COMBINED CIRCULAR SAW GUIDE AND ROUNDER.



THE GUIDE.

This invention, used simply as a Saw Guide, has advantages which are possessed by no other guide. A glance at the accompanying engraving will make this fact apparent to every practical saw-mill man. Guide is adjustable and reversible. If the guide-pins *E* are set at a proper distance apart to admit the rotation of the saw, the adjustment is easily accomplished without danger to the operator while the saw is in motion. Loosen the set-screw *D* and turn the hand-wheel *A* in the direction required until the saw has the proper lead. Every sawyer will appreciate the practical value of this feature of our Guide, as the adjustment of Saw Guides—often necessary or desirable to change the lead of the saw—has heretofore been attended with more or less danger, or accomplished with considerable inconvenience and loss of time by the stoppage of the mill. Being reversible, our Guide may be used on a right or left-handed mill, or turned back to permit the removal of the saw from the arbor without displacing the Guide. Loosen the set-screw *D* and turn back the arms of the Guide, or reverse them as is desired. In the sleeve enclosing the shank of the Guide is inserted the set-screw *D*, which fits into a groove on either side of the shank, and which is employed to hold the arms of the Guide rigid when turned either to right or left, preventing them from turning over whenever the motion of the saw is reversed. When the Guide is in use the set-screw *D* should be set tight.

THE ROUNDER.

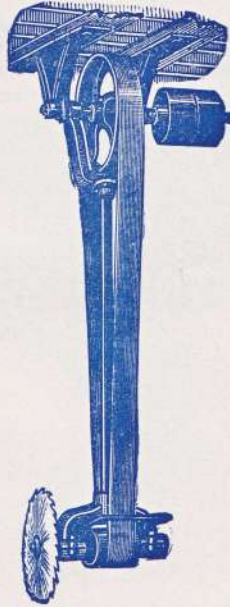
The "ROUNDER" or "JOINTER" is entirely new and original, and its attachment to a Saw Guide a novel and valuable feature. When not in use detach the Rounder by using the thumb nut *F*. Saw teeth frequently require jointing, and no device has ever been constructed that will "round up" a circular saw so perfectly, effectually and conveniently as that we have now introduced in combination with our Saw Guide. Whenever it is desirable to joint the teeth of a saw, the emery block is brought into contact with the rapidly revolving saw by means of the hand wheel *C*, to which the emery block is attached. During the operation the attendant will turn the hand wheel *B*, thereby rotating the emery block so as to present a constantly changing surface for action on the saw teeth, and wear the face evenly. The saw is thus made perfectly round and all ready for dressing, and every tooth will do its proper duty. The saw will wear longer, cut more lumber and the lumber will be smoother.

Prices.

NO. 1, FOR ORDINARY MILLS.
Guide, without Rounder.....\$6 00
Combined Guide and Rounder 8 00

NO. 2, FOR HEAVY WORK.
Guide, without Rounder.....\$ 8 00
Combined Guide and Rounder 10 00

IMPROVED SWING CUT-OFF SAW.



The above cut illustrates our new Swing Cut-off Saw. In our standard size we make the entire drop from ceiling to mandrel eight feet, but can make the drop any length required when ordered. This will be found a strong, simple and durable cut-off.

Size of Driving and Loose Pulleys, 10 inches in diameter, 5-inch face.

Size of Large Pulleys for driving Saw Mandrel, 24 inches in diameter, 5-inch face.

Size of Pulley on Mandrel, 5 inches in diameter, 5-inch face.

Revolutions required of Saw Mandrel, 1,800 per minute.

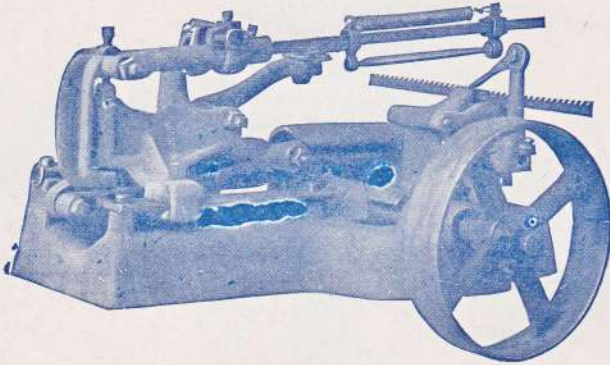
Price, with 20-inch saw.....\$40 00

Price, with 24-inch saw, built extra heavy..... 52 00

Price does not include belt.

THE "YOUNG" BAND SAW FILING MACHINE.

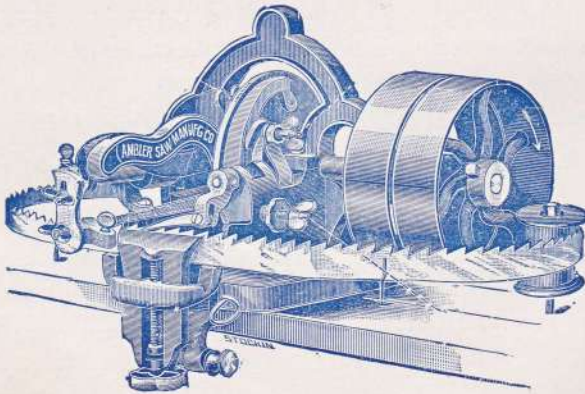
(Patented November 5, 1901, by Charles Young.)



Price, \$25.00.

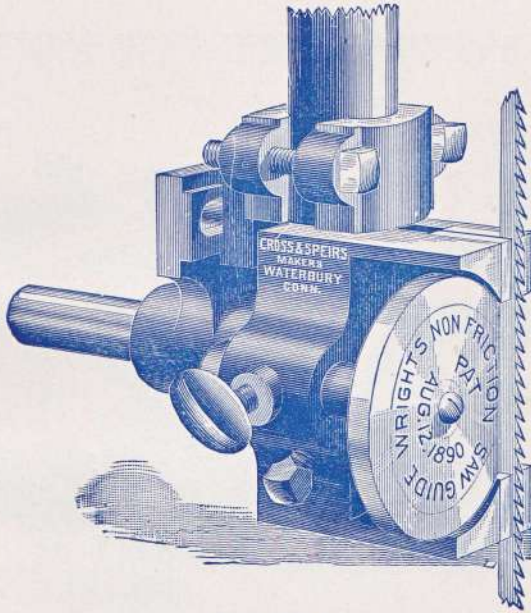
This machine makes the same motion as a person would in filing by hand, and does perfect work. It can be adjusted to file any saw from the smallest to one inch in width.

THE AMBLER PERFECT FILING MACHINE FOR BAND SAWS.



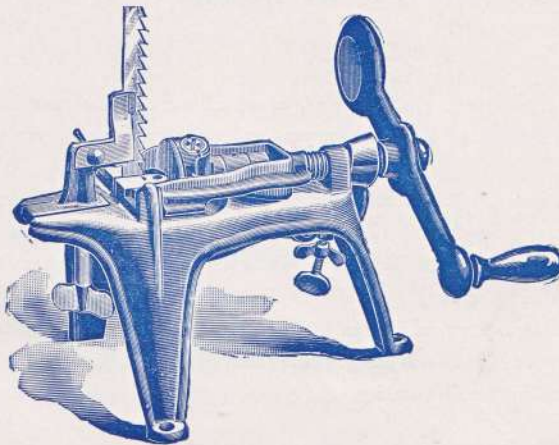
Price, \$35.00.

WRIGHT'S NON-FRICTION BAND-SAW GUIDE.



Price, \$10.00.

WRIGHT'S BAND SAW SETTER.

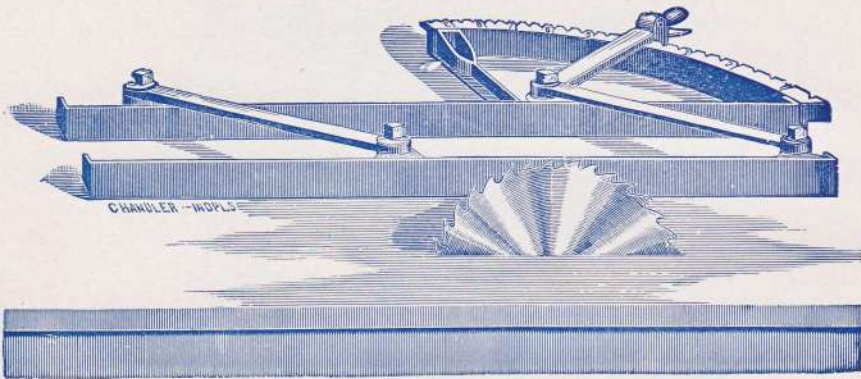


Accommodates Saws from $\frac{1}{8}$ to 2 inches wide.

Price, \$15.00

THE HAMLET DIMENSION GAUGE.

CUT REPRESENTS RIGHT-HAND GAUGE.



Price, \$8.00.

Quick, Positive, Accurate. Dimensions Lumber from One-Eighth to Nine Inches.

The above cut represents a patent device, of which we are sole manufacturers.

No argument is needed to convince sawyers and practical men of the value of such an instrument.

Previous to the introduction of this gauge, sawyers were greatly inconvenienced by the want of some attachment to the saw table by which the dimensions of lumber could be quickly and accurately gauged, and much valuable time was lost in the adjustment of the old-fashioned wooden gauge operated by screws.

The inventor, being a practical man in such work, realized the necessity of such an improvement over the old methods, and this gauge is the result of his thought and experience.

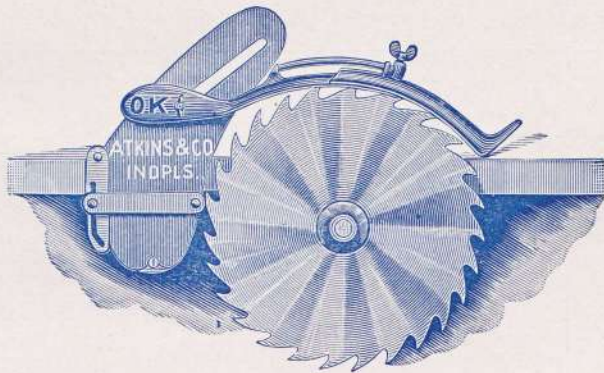
As will be seen in the illustration, the gauge permits of variations ranging from $\frac{1}{8}$ to 9 inches.

It is substantially constructed—those parts subject to strain being made of wrought iron—and it cannot get out of order.

In ordering, state whether Right or Left-Hand Gauge is wanted.

THE O. K. SAW GUARD.

A SURE AND RELIABLE SAFEGUARD AGAINST ACCIDENTS.



Patented September 12, 1882; July 17, 1883;
October 16, 1883; May 27, 1884.

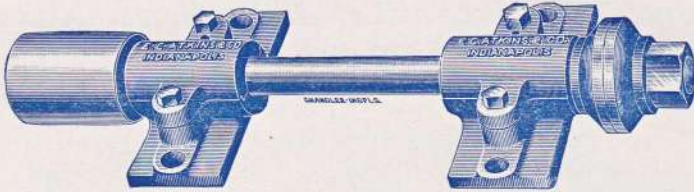
**No Woodworking Factory Should be Without Them
on All Table Saws.**

EASILY ADJUSTED.

- No. 1. Adjustable to any saw under 16 inches in diameter.....\$6 00
- No. 2. Adjustable to saws between 17 inches and 24 inches..... 7 00

CIRCULAR SAW MANDRELS.

CAST STEEL.
SELF-OILING BOXES.



Pulley Outside Boxes.

We fill all orders for Mandrels with pulley outside of boxes, unless otherwise ordered. Price does not include saw.

No.	Extreme Length, Inches.	Diameter of Arbor, Inches.	Diameter of Pulley, Inches.	Face of Pulley, Inches.	Diameter of Collars, Inches.	Size of Hole in Saw, Inches.	Size of Saw, Inches.	Price, Each.
1	16½	1 $\frac{1}{16}$	3	3	3	1	6 to 12	\$8 00
2	19	1 $\frac{1}{16}$	3	3½	3	1	14 to 18	8 50
3	21½	1 $\frac{3}{16}$	3	4	3½	1½	20 to 24	9 50
4	24	1 $\frac{3}{16}$	3½	4½	3½	1½	26 to 28	10 75
5	26	1 $\frac{5}{16}$	4	5	4	1¾	30 to 32	12 50
6	28	1 $\frac{5}{16}$	4½	5½	4	1¾	34 to 36	14 00
7	30½	1 $\frac{7}{16}$	5	6	4½	1¾	36	16 00
8	33½	1 $\frac{7}{16}$	5½	6½	4½	1¾	36	18 00
9	37	1 $\frac{9}{16}$	6	7	4½	1½	38	22 50
10	41	1 $\frac{11}{16}$	7	8	5	1¾	40	28 00
11	44½	1 $\frac{13}{16}$	8	10	5	1¾	40	33 50
12	48	1 $\frac{15}{16}$	10	10	5	1¾	42	40 00
13	54	2 $\frac{3}{16}$	12	10	5	2	48	50 00

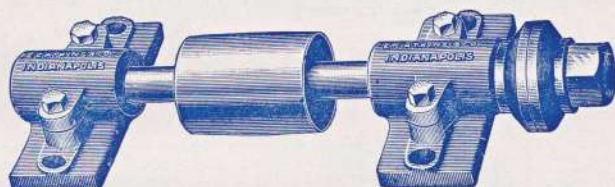
Larger Sizes Made to Order.

When ordering Saw Mandrels, send sketch and give distance from saw to end of Mandrel if the pulley is between the bearings. If the pulley is on the end of Mandrel, give distance from saw to inside edge of pulley. Also, whether the pulley is on the right or left-hand side of Mandrel when the saw is running toward you.

Our Mandrels are made with pulley on right-hand side, with left-hand thread, unless otherwise ordered.

CIRCULAR SAW MANDRELS.

CAST STEEL. SELF-OILING BOXES.



Pulley Inside Boxes.

PRICE DOES NOT INCLUDE SAWS.

No.	Extreme Length, Inches.	Diameter of Arbor, Inches.	Diameter of Pulley, Inches.	Face of Pulley, Inches.	Diameter of Collars, Inches.	Size of Hole in Saw, Inches.	Size of Saw, Inches.	Price, Each.
1	14	1 $\frac{1}{8}$	3	3	3	1	6 to 12	\$7 50
2	16	1 $\frac{1}{8}$	3	3 $\frac{1}{2}$	3	1	14 to 18	8 00
3	18	1 $\frac{3}{8}$	3	4	3 $\frac{1}{2}$	1 $\frac{1}{8}$	20 to 24	9 00
4	20	1 $\frac{3}{8}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{8}$	26 to 28	10 00
5	22	1 $\frac{5}{8}$	4	5	4	1 $\frac{1}{4}$	30 to 32	11 50
6	24	1 $\frac{5}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	4	1 $\frac{1}{4}$	34 to 36	13 00
7	26	1 $\frac{7}{8}$	5	6	4 $\frac{1}{2}$	1 $\frac{3}{8}$	36	14 50
8	28	1 $\frac{7}{8}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{3}{8}$	36	16 00
9	32	1 $\frac{9}{8}$	6	7	4 $\frac{1}{2}$	1 $\frac{1}{2}$	36	20 00
10	36	1 $\frac{11}{8}$	7	8	5	1 $\frac{5}{8}$	38	26 00

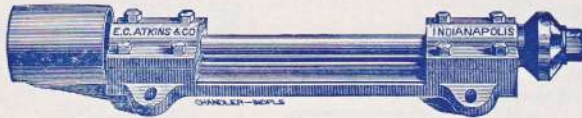
Larger Sizes Made to Order.

When ordering Saw Mandrels, send sketch and give distance from saw to end of Mandrel, if pulley is between the bearings. If the pulley is on the end of Mandrel, give distance from saw to inside edge of pulley. Also whether the pulley is on the right or left-hand side of Mandrel when saw is running toward you.

Our Mandrels are made with pulley on right-hand side, with left-hand thread, unless otherwise ordered.

CIRCULAR SAW MANDRELS.

CAST STEEL, CONNECTED BOXES AND SELF-OILING.

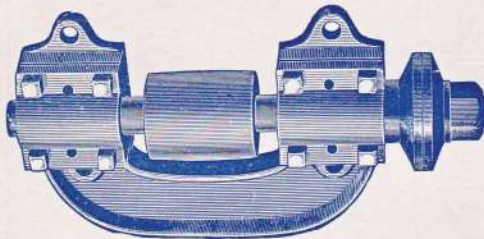


Price Does Not Include Saws.

No.	Extreme Length, Inches.	Length of Frame, Inches.	Distance from Center to Center of Bolt Holes, Inches.	Diameter of Arbor, Inches.	Diameter of Pulley, Inches.	Face of Pulley, Inches.	Diameter of Collars, Inches.	Hole in Saw, Inches.	Size of Saw, Inches.	Price, each,
1	23½	17	13¼	1 1/8	3	4	3	7/8	4 to 10	\$9 00
2	26½	19	14½	1 1/8	3½	4½	3	1	12 to 14	11 00
3	28¾	20½	15¾	1 3/8	4	5	3½	1 1/8	16 to 18	13 25
4	30½	22	16½	1 5/8	4½	5½	3½	1¼	20 to 24	15 50
5	33½	24	19	1 7/8	5	6	4	1 3/8	26 to 28	17 75
6	36½	26	20¼	1 9/8	6	7	4½	1½	30	20 00

YOKE MANDRELS.

CAST STEEL. SELF-OILING BOXES.



Price Does Not Include Saws.

No.	Out to Out Boxes, Inches.	Diameter of Arbor, Inches.	Diameter of Pulley, Inches.	Face of Pulley, Inches.	Size of Collars, Inches.	Size Hole in Saw, Inches.	Size of Saw, Inches.	Price, each.
1	10	1 5/8	2½	3	3	7/8	6	\$9 00
2	14	1 5/8	3	4	3	7/8	8 to 10	10 50
3	16	1 3/8	3½	4½	3	1	12 to 14	12 00
4	18	1 3/8	4	5	3½	1 1/8	16 to 18	14 00
5	20	1 5/8	4½	5½	3½	1¼	20 to 24	16 00
6	22	1 7/8	5	6	4	1 3/8	26 to 28	18 00
7	24	1 9/8	6	7	4½	1½	30 to 36	20 00

CIRCULAR SAW MANDRELS.

**DOUBLE END.
 CAST STEEL.
 SELF-OILING BOXES.**



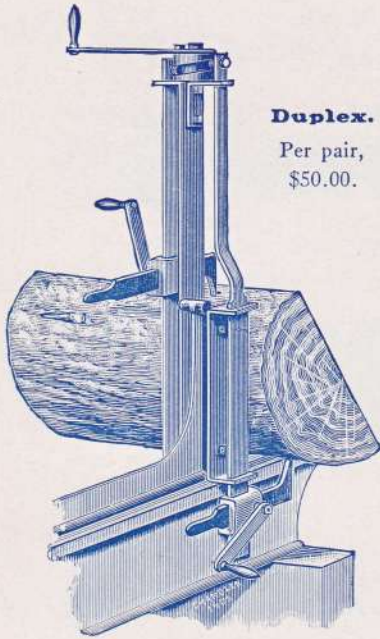
PRICE DOES NOT INCLUDE SAWS.

Price List Double End Saw Mandrels.

No.	Extreme Length, Inches.	Distance from Saw to Saw on Double Ended Mandrels.	Distance from out to out of Boxes on Double Ended Mandrels.	Diameter of Arbor, Inches.	Diameter of Pulley, Inches.	Face of Pulley, Inches.	Diameter of Collars, Inches.	Size of Hole in Saw, Inches.	Size of Saw, Inches.	Price, Each.
1	20	16	13	1 $\frac{1}{8}$	3	3	3	1	6 to 10	\$12 00
2	22	18	15	1 $\frac{1}{8}$	3	3 $\frac{1}{2}$	3	1	12 to 16	13 00
3	24	20	16	1 $\frac{3}{8}$	3	4	3 $\frac{1}{2}$	1 $\frac{1}{8}$	18 to 20	14 50
4	26	22	18	1 $\frac{3}{8}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{8}$	22 to 24	16 00
5	28	23 $\frac{1}{4}$	19 $\frac{3}{4}$	1 $\frac{5}{8}$	4	5	4	1 $\frac{1}{4}$	26 to 28	18 00
6	30	25 $\frac{1}{4}$	21 $\frac{3}{4}$	1 $\frac{5}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	4	1 $\frac{1}{4}$	30 to 32	20 00
7	32	26 $\frac{3}{4}$	22 $\frac{3}{4}$	1 $\frac{7}{8}$	5	6	4 $\frac{1}{2}$	1 $\frac{3}{8}$	34	22 00
8	34	28 $\frac{3}{4}$	25 $\frac{1}{2}$	1 $\frac{7}{8}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{3}{8}$	36	24 00
9	38	32 $\frac{1}{2}$	27 $\frac{3}{4}$	1 $\frac{9}{8}$	6	7	4 $\frac{1}{2}$	1 $\frac{1}{2}$	36	29 00
10	42	36	30 $\frac{1}{2}$	1 $\frac{11}{8}$	7	8	5	1 $\frac{5}{8}$	36	35 00

ATKINS PATENT SAW MILL DOGS.

(Patented Oct. 18, 1887.)

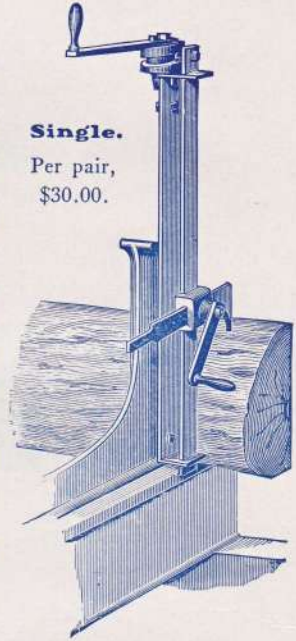


Duplex.

Per pair,
\$50.00.

Its peculiar features are the lever, cam and roller, by means of which they are made effective. Every Dog warranted perfect. The Duplex Dog is especially useful in quarter-sawing or cutting irregular work.

Rapidity and safety in operating, simplicity, strength, durability and economy.



Single.

Per pair,
\$30.00.

ATKINS INDEPENDENT UNDER DOG.

(Patented April 29, 1890.)

FOR QUARTER-SAWING.

The Dog For Quarter Sawing.

Per pair,
\$25.00.



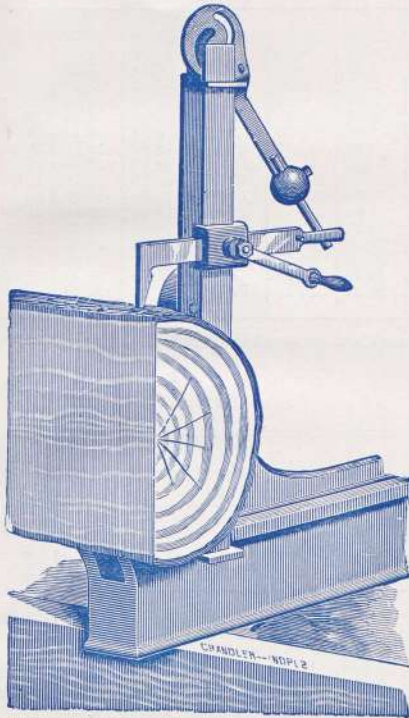
Can be attached to any mill and used in connection with the upper dogs in use on the mill. The ATKINS UNDER DOG is so constructed that it will dog under a square surface and not hit the nut on the mandrel, and will pass over set rod and not interfere in opening the head blocks. It has fourteen inches to travel up and down, giving sufficient capacity for holding logs firmly, avoiding slipping and getting away; and, if required, can lift a knotty or crooked log up so it will pass over the mandrel without turning or rubbing.

It can be used with any upper dog, and with the upper dog makes a good double dog for quarter-sawing.

The ATKINS UNDER DOG is simple and durable in construction, convenient and easy of operation, and holds the log fast.

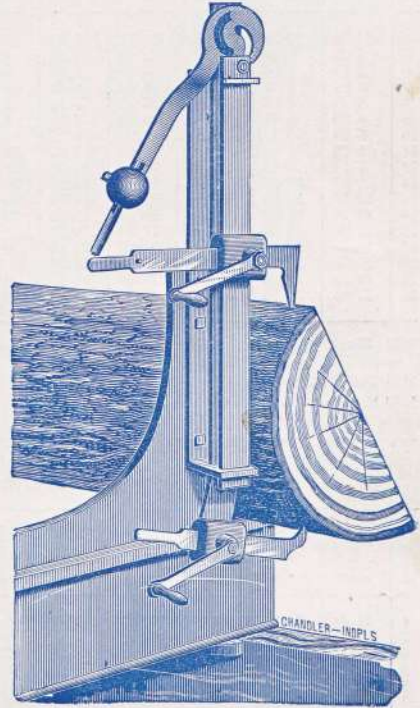
BUCH SAW MILL DOGS.

**BEST MATERIAL.
SUPERIOR
WORKMANSHIP.
GUARANTEED.**



Single.

Price, per pair, \$30.00.



Duplex.

Price, per pair, \$50.00.

Notice that the Lever has perpendicular motion.

In ordering the BUCH DUPLEX DOG, please give distance from knee to side of headblock; make a paper pattern showing position of holes in knee. This can be done by placing the paper over the holes and rubbing the same with the hand.

PRICE LIST OF FILES AND RASPS.

Adopted by the File Manufacturers' Association of the United States, as their Selling List Per Dozen, to Take Effect on and After November 1st, 1899.

Inch.	Mill and Round.			Flat.			Inch.	Square.			Hand and Pillar.		
	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.		Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.
4	\$3 00	\$3 50	\$3 90	\$3 70	\$4 30	\$4 70	4	\$3 80	\$4 60	\$4 90	\$3 70	\$4 30	\$4 80
5	3 20	3 80	4 10	3 90	4 60	4 90	5	4 10	4 80	5 30	3 90	4 70	5 30
6	3 50	4 00	4 50	4 30	4 80	5 30	6	4 60	5 10	5 50	4 30	5 10	5 60
7	3 90	4 60	4 90	4 80	5 50	6 10	7	5 10	5 80	6 30	4 90	5 80	6 30
8	4 30	4 90	5 40	5 30	6 10	6 60	8	5 50	6 30	7 00	5 40	6 30	6 70
9	4 90	5 80	6 30	6 30	7 20	7 90	9	6 60	7 70	8 30	6 70	7 80	8 30
10	5 60	6 40	7 00	7 00	8 10	8 70	10	7 40	8 50	9 10	7 50	8 70	9 40
11	6 70	7 80	8 50	8 60	9 80	10 70	11	9 10	10 40	11 30	9 40	10 90	11 80
12	7 50	8 60	9 40	9 70	11 00	12 10	12	10 20	11 50	12 80	10 70	12 30	13 50
13	9 40	10 70	11 70	11 80	13 60	14 70	13	12 50	14 30	15 40	13 30	15 20	16 20
14	10 70	12 20	13 10	13 30	15 30	16 70	14	13 90	16 10	17 50	15 00	17 00	18 20
15	13 10	15 00	16 10	16 00	18 30	20 00	15	16 90	19 20	20 90	17 90	20 60	21 70
16	14 70	16 80	17 90	17 80	20 10	22 30	16	18 70	21 20	23 30	20 10	22 80	24 20
17	18 20	20 20	21 70	21 50	24 20	26 50	17	22 50	25 40	27 50	24 20	27 10	28 60
18	20 20	22 70	24 30	23 90	26 80	29 20	18	25 10	28 20	30 40	26 80	29 90	31 50
19	24 60	27 50	29 40	28 40	31 60	34 60	19	29 70	33 20	35 70	31 90	35 40	37 60
20	27 40	30 70	32 90	31 50	35 30	38 30	20	32 80	36 70	39 30	35 10	39 20	41 60

Mill Blunt, Dbl. Cut., advance 2 in.
 Mill Dbl. Cut., advance 1 in.
 Mill Narrow Point, advance 1 in.

Cant (Blunt) Dbl. Cut., advance 2 in.

Square Blunt, advance 1 in.

Slotting (Blunt) advance 2 in.
 Cotter Blunt or Taper, advance 2 in.

Inch.	Mill. One Round Edge.			Mill. Two Round Edges.			Inch.	Tapers.		Slim Tapers.		Band Saw, Blunt and Taper.	
	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.		Single Cut.	Double Cut.	Single Cut.	Double Cut.	Regular.	Slim.
4	\$3 40	\$3 90	\$4 40	\$3 80	\$4 40	\$4 90	3	\$2 10	\$2 50	\$2 10	\$2 50	\$2 50	\$2 50
5	3 60	4 30	4 60	4 00	4 80	5 10	3 1/2	2 10	2 50	2 10	2 50	2 50	2 50
6	3 90	4 50	5 10	4 40	5 00	5 60	4	2 20	2 90	2 20	2 60	2 90	2 60
7	4 40	5 20	5 50	4 90	5 80	6 10	4 1/2	2 40	3 10	2 30	3 00	3 10	3 00
8	4 80	5 50	6 10	5 40	6 10	6 80	5	2 60	3 50	2 50	3 20	3 50	3 20
9	5 50	6 50	7 10	6 10	7 30	7 90	5 1/2	3 00	4 00	2 90	3 50	4 00	3 50
10	6 30	7 20	7 90	7 00	8 00	8 80	6	3 40	4 70	3 10	3 90	4 70	3 90
11	7 50	8 80	9 60	8 40	9 80	10 60	6 1/2	4 30	5 60	3 80	4 50	5 60	4 50
12	8 40	9 70	10 60	9 40	10 80	11 80	7	5 40	6 70	4 50	5 30	6 70	5 30
13	10 60	12 00	13 20	11 80	13 40	14 60	8	6 60	8 10	5 40	6 30	8 10	6 30
14	12 00	13 70	14 70	13 40	15 30	16 40	9	8 10	9 70	6 40	7 50	9 70	7 50
15	14 70	16 90	18 10	16 40	18 30	20 10	10	10 70	12 10	8 30	9 10	12 10	9 10
16	16 50	18 90	20 10	18 40	21 00	22 40	11	12 50	14 70	9 50	11 00	14 70	11 00
17	20 50	22 70	24 40	22 80	25 30	27 10	12	15 90	17 50	12 10	13 10	17 50	13 10
18	22 70	25 50	27 30	25 30	28 40	30 40	13	18 20	20 60	13 80	15 40	20 60	15 40

Sizes below 4 inches, not extended, take 4-inch price.
 Half inches, not specified, take next higher full inch price.
 Dead Smooth, double the price of Bastard Cut.
 One Round Edge, advance 12 1/2 per cent.
 All lengths above those listed, advance 20 per cent. on next lower inch price.
 Blunt Files, not specified, advance one inch on respective kinds and cuts.
 Single or Float Cut, not specified, on regular shapes take Double Cut price.
 Equalings (Bellied), advance two inches on respective kinds and cuts.
 Two Round Edges, advance 25 per cent.
 Files varying from standard sizes, subject to special prices.
 Cuts not specified, made upon regular blanks, advance one inch on respective kind and nearest cut.

PRICE LIST OF FILES AND RASPS.

Continued.

Half Round and Three Square.				Warding.			Knife.			Shoe Rasps.				
Inch.	Bastard.	2d Cut.	Smooth.	Bastard.	2d Cut.	Smooth.	Inch.	Bastard.	2d Cut.	Smooth.	Inch.	Flat.	Half Round.	Oval.
4	\$4 80	\$5 60	\$6 10	\$4 00	\$4 80	\$5 40	4	\$5 40	\$6 10	\$6 40	6	\$8 10	\$8 10	\$9 30
5	5 40	6 10	6 40	4 50	5 30	5 80	5	6 10	6 70	7 10	7	9 30	9 30	10 10
6	6 10	6 70	7 10	4 90	5 90	6 40	6	6 90	7 50	7 90	8	10 10	10 10	12 20
7	7 00	7 70	8 20	5 90	6 90	7 50	7	7 80	8 50	8 90	9	12 20	12 20	13 70
8	7 50	8 30	8 90	6 40	7 50	8 20	8	8 50	9 10	9 50	10	13 70	13 70	16 80
9	8 50	9 40	9 90	7 80	9 00	9 90	9	9 40	10 60	11 30	11	16 80	16 80	18 70
10	9 10	10 10	10 70	8 70	10 10	11 00	10	10 10	11 50	12 30	12	18 70	18 70	22 40
11	10 70	11 80	12 70	10 90	12 70	13 70	11	12 20	13 70	14 60	13	22 40	22 40	.....
12	11 80	13 00	13 90	12 30	14 30	15 40	12	13 70	15 20	16 10	14	24 80	24 80	.....
13	14 10	15 40	16 60	15 20	17 40	18 70	13	16 30	17 90	19 20				
14	15 50	17 00	18 30	17 00	19 40	21 00	14	18 20	19 90	21 20				
15	18 50	20 40	21 70											
16	20 60	22 50	24 20											
17	24 70	27 00	28 90											
18	27 50	29 90	32 00											
19	32 80	35 70	38 10											
20	36 20	39 40	42 30											

Stavesaw.	
8-inch	\$9 40

Stavesaw Improved.	
6-inch	\$6 40
7 "	7 40
8 "	8 10
9 "	9 70
10 "	10 70
12 "	15 40

Ginsaw, take Bastard Price.
 Crossing.....adv. 2 in.
 Tumbler....." 2 "
 Feather Edge, (Blunt) " 2 "
 High Back } " 2 "
 Half Round }

Moore Bros. Babbitt or Soft Metal Files.
 Regular size and shape, 14 inches half round.
 List price of 14-inch, per dozen, \$15 50.
 Special discounts quoted on application.

Horse Rasps.				File Rasps.		Wood Files.			Wood Rasps.			
Inch.	Plain.	Beveled and 3/4 Rasp.	Tanged.	Flat.	Half Round.	Inch.	Flat.	Half Round.	Cabinet.	Flat.	Half Round.	Cabinet.
6	.....	.....	.....	\$7 40	\$8 10	6	\$4 30	\$6 10	\$8 10	\$7 40	\$8 10	\$10 10
7	.....	.....	.....	8 60	9 30	7	4 80	7 00	9 30	8 60	9 30	11 70
8	.....	.....	.....	9 40	10 10	8	5 30	7 50	10 10	9 40	10 10	12 80
9	.....	.....	.....	11 40	12 20	9	6 30	8 50	12 20	11 40	12 20	15 50
10	\$9 40	\$10 70	\$12 80	12 80	13 70	10	7 00	9 10	13 70	12 80	13 70	17 50
11	11 40	12 90	15 20	15 50	16 80	11	8 60	10 70	16 80	15 50	16 80	20 70
12	12 80	14 40	16 80	17 50	18 70	12	9 70	11 80	18 70	17 50	18 70	22 80
13	15 20	17 00	19 60	20 90	22 40	13	11 80	14 10	22 40	20 90	22 40	26 80
14	17 80	20 10	23 10	23 20	24 80	14	13 30	15 50	24 80	23 20	24 80	29 60
15	20 90	23 60	27 30	27 80	29 70	15	16 00	18 50	29 70	27 80	29 70	33 90
16	24 40	27 50	32 20	30 80	32 90	16	17 80	20 60	32 90	30 80	32 90	36 90
17	28 90	31 50	.....	36 20	38 90	17	21 50	24 70	38 90	36 20	38 90	42 40
18	32 90	36 20	.....	40 90	43 60	18	23 90	27 50	43 60	40 90	43 60	46 90

Pit Saw.		Cant Saw.		Gt. Am. Cross-Cut.		Hook Tooth.		Planer Knife.		Inserted Tooth or Chisel Tooth		Double-Ended Taper.	
Inch.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Single Cut.	Inch.	Single Cut.
4	\$4 80	\$4 30	\$4 80	.....	.....	.....	.....	.....	.....	.....	.....	6	\$3 50
5	5 40	4 70	5 40	.....	.....	.....	.....	.....	.....	.....	.....	7	3 50
6	6 10	5 40	6 10	.....	.....	.....	.....	.....	.....	.....	.....	8	3 90
7	7 00	6 10	7 00	.....	.....	.....	.....	.....	.....	.....	.....	9	4 40
8	7 50	6 40	7 50	.....	.....	.....	.....	.....	.....	.....	.....	10	4 90
9	8 50	7 80	8 50	.....	.....	.....	.....	.....	.....	.....	.....
10	9 10	8 70	9 10	.....	.....	.....	.....	.....	.....	.....	.....
11	10 70	10 40	10 70	.....	.....	.....	.....	.....	.....	.....	.....
12	11 80	11 40	11 80	.....	.....	.....	.....	.....	.....	.....	.....

Climax, advance 2 inches on Half Round Bastard. Round Gulleting, take Pitsaw price.



Moore's Patent Auger Bit File. List, per dozen, \$1.25.

ATKINS MACHINE KNIVES.

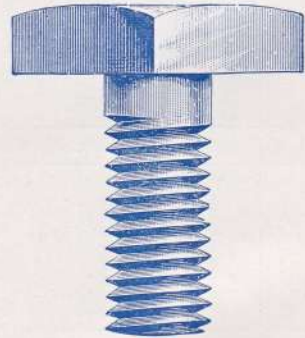


PLANER KNIFE BOLTS.

With Nuts and Steel Washers.

$\frac{1}{2}$ and $\frac{9}{16}$ inch.....	each,	\$0 25
$\frac{5}{8}$ and $1\frac{1}{16}$ inch.....	"	30
$\frac{3}{4}$ inch.....	"	35

If nuts are not wanted deduct 5 cents each.



List prices for Standard Knives and blanks on following pages.
Prices on other Knives of every description on application.

MACHINE KNIVES.

Three things are essential to a good machine knife of any description:

**THE RIGHT TEMPER,
PERFECT WELDING,
ACCURATE GRINDING.**

We have been very successful in furnishing knives to meet the requirements of our trade, but the user of knives should recognize the fact that he has some responsibility in the matter, and to avoid all trouble in reference to knives, either for ourselves or our customers, we make the following suggestions:

Send pattern or template, taken by stretching a piece of paper of good quality tightly over the flat side of the knife, and press firmly over edges of knife and slots to show a perfect and distinct outline. This outline may then be traced with a pencil, if necessary. If you use a pencil to mark out the knife and slots, be sure that it has a long sharp point, so that it will reach the bottom of the slots or holes; otherwise the pattern will not be accurate, and is apt to cause trouble, especially in the case of knives with threaded holes.

An end view of the knife should also be given, and the dimensions should be marked on the pattern, as patterns are frequently taken from knives partially worn out, so that the pattern does not show the correct width. By marking the dimensions on the knives, it enables us to discover any discrepancy between the sizes specified and the pattern, and we can then write for confirmation before making the knives.

Always state the kind of work to be done with the knives, giving the varieties of wood handled and the condition in which it is used; that is, whether green, dry or steamed. Also give your idea about the temper, which you may describe as follows:

- Soft or medium soft, for filing only.
- Medium, to file and grind.
- Medium hard, to file slow.
- Hard, to grind only.

Always state dimensions in the following order:

1. The length of the cutting edge.
2. The width from the cutting edge to the back.
3. The thickness.

In many cases people give the width first, on account of being the greater dimension, in the case of short knives. This causes confusion and mistakes, and should be avoided.

Remember, if it is tempered, it is a knife; if untempered, it is a blank. If you say "bits," we understand that you mean "tempered knives." If you want short knives without slots, do not describe them as "blanks;" but say "knives, no slots."

If knives are wanted for "slotted head," patterns are not necessary, but the correct dimensions only. For stationary bolts, patterns must be sent with order.

If our advice in reference to ordering knives is followed, they are absolutely warranted, and any proving defective in material, workmanship or temper, will be replaced without expense to the buyer.

We have taken a great many chances in filling orders for knives, to avoid delay, and we congratulate ourselves on the few cases in which we have guessed wrong.

MACHINE KNIVES.



Having greatly increased our facilities for the production of Machine Knives in the past year, we are now prepared to furnish everything in this line promptly and to your entire satisfaction. Kindly submit your specifications when in the market for knives of any description.

Price List of Planing and Barking Machine Knives.

Also Wood Chipper Knives less than 5 inches wide, Flat Fur Cutting Bed Knives, and other ordinary Straight Knives of same finish, $\frac{3}{8}$ of an inch thick or less.

List Prices—Subject to Discount.

PRICE PER INCH.	6¼ to 31 long	Over 31 to 40	Over 40 to 50	Over 50 to 60	Over 60 to 70	Over 70 to 80	Over 80 to 90	Over 90 to 100
4 inches wide or less	18	21	24	28	32	39	46	53
Over 4 to 4½ inches	22	<p>Figures at actual measurement, viz: 24½, 50½, &c. Knives wider or thicker in one part than another, figure by widest and thickest measurement. Measure by longest length, whether cutting edge or back. ALL KNIVES longer or wider than this list (unless otherwise provided for) figure by SPECIAL LIST. Knives with Counterbored Slots add 10 per cent. Advance for extra thickness all Knives as follows:</p> <p>Over $\frac{3}{8}$ to $\frac{7}{16}$ thick, 10 per cent. Over $\frac{7}{16}$ to $\frac{1}{2}$ thick, 15 per cent. Over $\frac{1}{2}$ to $\frac{5}{8}$ thick, 20 per cent. Over $\frac{5}{8}$ to $\frac{3}{4}$ thick, 25 per cent. Over $\frac{3}{4}$ to $\frac{7}{8}$ thick, 30 per cent. Over $\frac{7}{8}$ to 1 thick, 35 per cent. Over 1 to 1¼ thick, 50 per cent. Over 1¼ to 1½ thick, 75 per cent. Over 1½ to 2 thick, 100 per cent.</p> <p>Solid Steel Planer Knives, &c., over 12 inches long, advance 25 per cent., $\frac{5}{16}$ inch thick or less, and 50 per cent. $\frac{3}{8}$ inch thick or more.</p>						
Over 4½ to 5 inches	28							
Over 5 to 5½ inches	32							
Over 5½ to 6 inches	36							
Over 6 to 6½ inches	40							
Over 6½ to 7 inches	45							
Over 7 to 7½ inches	49							
Over 7½ to 8 inches	53							
Over 8 to 8½ inches	59							
Over 8½ to 9 inches	66							
Over 9 to 9½ inches	73							
Over 9½ to 10 inches	80							
Over 10 to 10½ inches	87							
Over 10½ to 11 inches	94							
Over 11 to 11½ inches	101							
Over 11½ to 12 inches	108							

Straight Knives, 6 1-8 Inches Long or Less.—($\frac{3}{8}$ thick or less.)

Two in. long or less, 4 in. wide or less, each, \$0 75
 Over 2 to 4 in. long, 4 in. wide or less, each, 93
 Over 4 to 6½ in. long, 4 in. wide or less, each, 1 12
 If over 4 inches wide, increase $\frac{1}{8}$ for each inch or fractional part. Add 50 per cent. for Knives plated all over one face. Advance for extra thickness. Counterbored Slots, add 10 per cent.

MACHINE KNIVES.

Continued.

LIST PRICE—SUBJECT TO DISCOUNT.

ALL FLAT KNIVES ($\frac{3}{8}$ -inch thick or less) with IRREGULAR EDGES, (not moulding knives) add 50 per cent to list of straight knives $6\frac{1}{8}$ inches long or less (except in lots of fifty or more without slots, as provided in Jointer and Sectional Matcher Bit List) and to list of Planer Knives, if over $6\frac{1}{8}$ inches long. (This covers knives not otherwise provided for, with SLIGHTLY convex, concave, angular, or irregular edges that can be ground on ordinary grindstone.) Figure by widest part of knife. Advance for extra thickness. Counter-bored Slots, add 10 per cent.

MOULDING CUTTERS, $\frac{3}{8}$ -inch thick or less, with edge worked to pattern, 5 inches wide or less, 60 cents per inch; if over 5 inches wide, advance $\frac{1}{8}$ for each inch or fractional part. No Moulding Cutter will be charged for at less price than 75 cents each. Advance for extra thickness.

MOULDING CUTTER BLANKS (not tempered) $\frac{3}{8}$ -inch thick or less 5 inches wide or less.

Two inches long or less.....	each,	\$0 37½
Over 2 to 3 inches long.....	“	54
“ 3 to 4 “ “.....	“	75
“ 4 to 5 “ “.....	“	90
“ 5 to 6 “ “.....	“	1 05

Advance 20 per cent over 5 inches wide. Advance for extra thickness.

PLATED STOCK in bars, with edges faced or not, 30 cents per pound. When faced, 37½ cents per pound. Plated all over one face, add 25 per cent. For Back Lathe Knives, 37½ cents per pound.

BEVELED EDGE STEEL, in bars, for making upright Moulder or Shaper Bits, 7½ cents per inch; up to 1½ inches wide, $\frac{1}{2}$ cent per inch extra, each $\frac{1}{2}$ inch or fractional part of $\frac{1}{2}$ over 1½ wide. If PLATED, advance 25 per cent.

COPE CUTTERS, 90 cents each.

Prices furnished upon request for the following:

SPOKE KNIVES—for Blanchard, Gleason, Defiance, Naugatuck, Egan and all similar lathes.

HOG JOINTER OR REFUSE CUTTERS for all standard machines, or made to any required pattern.

CROSSLEY AND ALL SIMILAR STAVE OR WHEEL JOINTER KNIVES.

SHINGLE, VENEER AND SPECIAL KNIVES for all purposes, of any dimensions specified.

SOLID STEEL MATCHER BITS, Leather Knives, Stock Cutter Knives, etc.

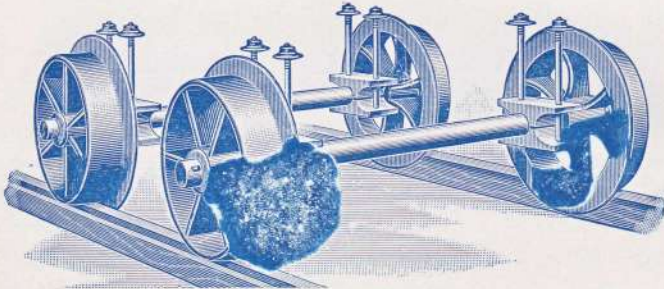
EXCELSIOR SPURS and special Solid Steel Knives of any description. Send pattern for what you require in this line and we will make low prices for large orders.

REMEMBER—In sending specifications for knives, the LENGTH is the distance between ends of CUTTING EDGE; the WIDTH, distance from cutting edge to back.

Price of irregular knives is determined by the GREATEST length and GREATEST width.

LUMBER TRUCKS, WITH STIRRUPS.

Set Consists of Two Axles and Four Wheels.



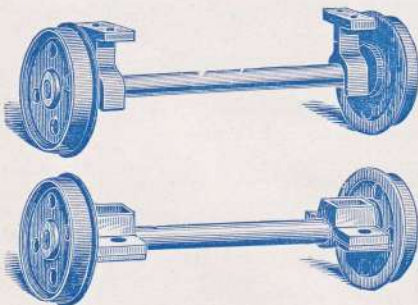
Wheels, Diameter, Inches.	Face, Inches.	Axle, Inches.	Track, Inches.	Price, Per Set.	Wheels, Diameter, Inches.	Face, Inches.	Axle, Inches.	Track, Inches.	Price, Per Set.
10	2 $\frac{3}{4}$	1 $\frac{1}{4}$	30	\$15 00	22	3	2	36	\$36 00
12	2 $\frac{3}{4}$	1 $\frac{1}{4}$	30	16 00	24	3	2	36	40 00
14	2 $\frac{3}{4}$	1 $\frac{1}{2}$	30	18 00	26	3	2	38	44 00
16	2 $\frac{3}{4}$	1 $\frac{1}{2}$	30	20 00	28	3	2	42	48 00
18	2 $\frac{3}{4}$	1 $\frac{1}{2}$	30	22 00	30	3	2	42	52 00
20	3	1 $\frac{1}{2}$	30	24 00					

LOG TRUCKS, SIMILAR TO ABOVE, BUT HEAVIER PATTERN.

Set Consists of Two Axles and Four Wheels.

Diameter, Inches.	Face, Inches.	Axle, Inches.	Track, Inches.	Price, Per Set.
10	2 $\frac{3}{4}$	1 $\frac{1}{2}$	36	\$15 00
12	2 $\frac{3}{4}$	1 $\frac{3}{4}$	36	16 00
14	2 $\frac{3}{4}$	1 $\frac{3}{4}$	36	18 00
16	3	1 $\frac{3}{4}$	42	24 00

EDGER WHEELS WITH AXLES AND STANDS OR BOXES.



Wheels, Diameter, Inches.	Face, Inches.	Axle, Inches.	Track, Inches.	List Price, One Axle and Two Wheels, with Stands or Boxes.
2	$\frac{5}{8}$	$\frac{5}{8}$	14	\$1 50
3	$\frac{5}{8}$	$\frac{3}{4}$	14	1 75
4	$\frac{5}{8}$	$\frac{7}{8}$	14	2 00

SAW-MILL CARRIAGE TRUCKS.

A Set Consists of One Axle and Two Wheels.

Wheels, Diameter, Inches.	Axle, Inches.	Track, Inches.	PRICE, PER SET.	
			Open Bearings.	Patent Oil Boxes.
8	1½	50	\$ 7 50	\$ 8 00
10	1¾	50	10 00	11 00
12	2	56	13 00	15 00

These wheels are turned and heavy, one wheel grooved and shrunk on axle, the other flat and loose on axle.

SAW-MILL CARRIAGE WHEELS, WITH CHAIRS.



5-inch diameter, one grooved, one flat..... Per pair, \$3 00
 7-inch diameter, one grooved, one flat..... " 5 00

The 5-inch Wheels and Chairs have oil cellars, and the 7-inch have oil cellars and shoes.

V TRACK.



FLAT TRACK.



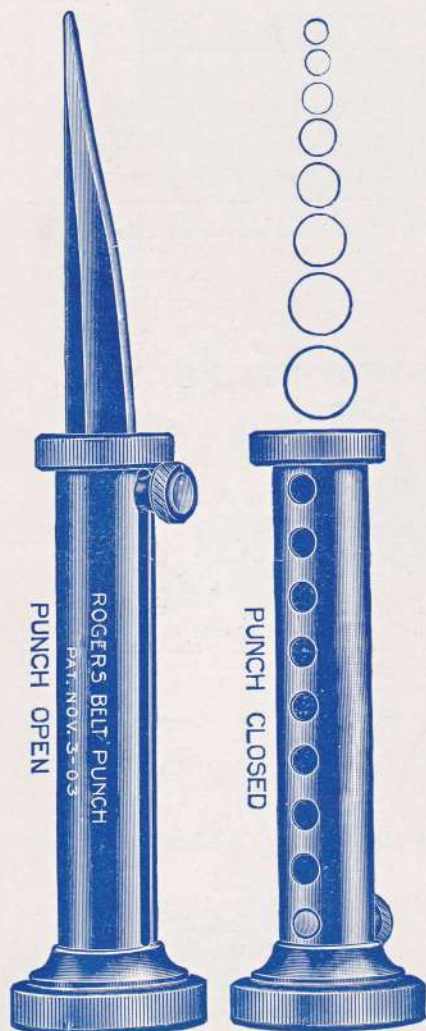
V-track, 2-inch, price..... Per foot, \$0 15
 Flat track, 2-inch, price..... " 12
 Flat track, 1¼-inch, price..... " 09

T RAILS.

Rails, 12, 16 and 20 pounds, furnished at lowest market prices.

THE ROGERS BELT PUNCH.

The Most Convenient and Ingenious Tool for the Purpose on the Market.



Full Size.

THE ROGERS BELT PUNCH.

This punch is easily sharpened if it ever gets dull. When not in use the punch is drawn back into the handle which protects it. Is easily carried in the vest pocket; will cut any size hole from $\frac{1}{16}$ to $\frac{3}{8}$ inch, in canvas, rubber, or the heaviest double leather, oak tanned belting, with perfect ease.

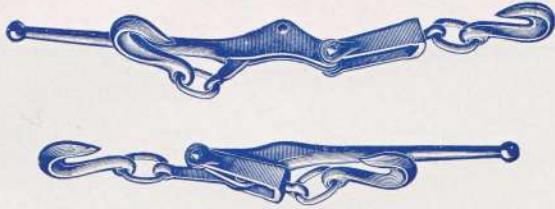
In using the punch simply extend the blade to the size-hole desired, push the blade straight through the belt up to the handle, pressing the end of the handle firmly against the belt and turn it one-half around, which takes out the core of the size hole desired. Do not bend to an angle.

In lacing a belt you will find it very convenient to wet or oil the end of the lace leather, light a match and crisp the end the least bit, which will make a hard point and makes it easy to push through the hole in the belt. After the belt is laced, to fasten the end of the lacing push this punch through the leather straight, and you will note that it cuts a half circle forming a catch or a gate, by nicking the lacing, after it is pushed through the opening it is impossible to pull it out, this will hold it firm without making a knot.

Price, each, ~~75~~ cents.

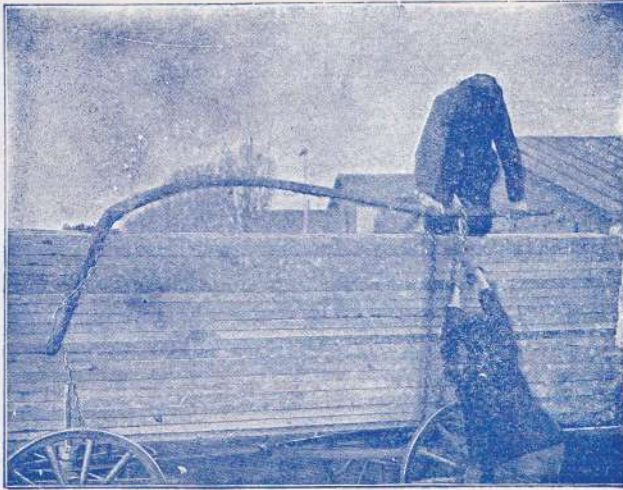
Packed in single boxes for mailing and put up one dozen in a carton.

THE GOODYEAR PATENT LOAD BINDER

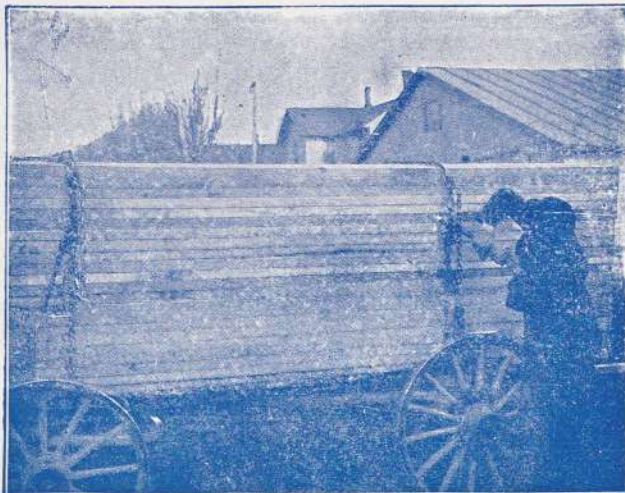


Price, per pair, \$5.00.

The Binder when open has a spread of 22½ inches and closes up 18 inches, taking up a slack of 4½ inches.
Weight only 21 pounds per pair.



The Old Way.



The New Way.

The Goodyear Load Binder is unsurpassed for binding logs, hay, lumber, pipe or large loads of every description.

BABBITT METAL.



ATKINS SUPER-EXTRA.

Per pound, 35 cents.

The best bearing metal that can be produced and especially recommended for places where the most severe service is required.



ATKINS PERFECTION.

Per pound, 25 cents.

Strictly high grade and guaranteed satisfactory.



ATKINS ANTI-FRICTION.

Per pound, 18 cents.

A good metal, recommended and fully warranted for any ordinary requirements.

HARDWARE BRANDS.

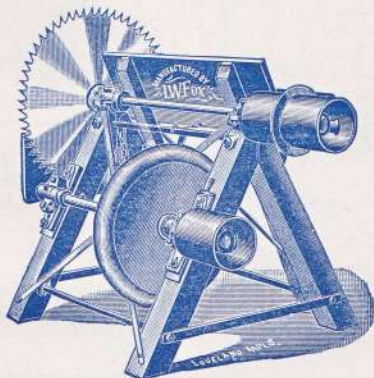
No. 1.....	Per lb., \$0 13	No. 3.....	Per lb., \$0 08
No. 2.....	“ 10	No. 4.....	“ 06

The above grades are guaranteed equal to any metals on the market sold under corresponding numbers.

All metals packed in boxes approximating 50 pounds.

THE ROCHESTER AND CLIPPER WOOD SAWS.

Made to Carry Saws 20-Inch to 30-Inch Diameter.



THE FRAME is a combination of iron and wood, consisting of iron piping with collars on each end and long bolts which extend through the pipes and wood, making it much stiffer and stronger than any mortise and tenon frame, and one that can always be kept rigid by tightening up the bolts; and any person can easily duplicate the wood work as it wears or rots away.

FINISH. They are all painted vermilion, varnished and nicely finished.

COVER. The back part of the saw is not covered, it being unnecessary, as the shield is placed below to protect the person throwing away the wood and to prevent the wood from falling against the saw, which is the cause of many blades breaking.

TABLE. The saw tables are smooth and solid, making it very easy to slide the pole or logs along quickly without the delay of lifting, as with an open table.

BRACING. The machine may be braced underneath the boxes when sawing and staked around the legs in the usual way.

MOVING. It will fit in an ordinary wagon box, hence is handy to move.

SPRINGS. They have steel coil springs to throw the table back and a hook to fasten it up out of the way when moving.

LOGS AND POLES are cut square through on this machine. They can be fed from either side. Also there is a casting extending beyond the saw to hold up logs and poles, making it the most complete, quickest and easiest tilting table saw to operate.

DOUBLE PULLEYS. There are two flange pulleys on the mandrel. A short belt goes on the inside one to the fly wheel pulley and the drive belt on the outer one. That gives 12 inches of belt surface to carry the saw through a cut.

BELT TIGHTENER. The short belt can be tightened while running by turning screw above the box by the fly wheel.

THE MANDREL is Bessemer steel, 1½-inch in diameter, has large hexagon nut to avoid being broken off in cold weather. Also has adjustable collar to take up end thrusts.

THE BOXES are lined with good babbitt metal and take up for wear.

PULLEYS are 6 x 6 inches.

FLY WHEEL in proportion to size of machine.

NET WEIGHT from 60 lbs. to 440 lbs.

PRICES, from \$13.75 to \$27.50, without blades.

SEND FOR COMPLETE CATALOGUE.

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