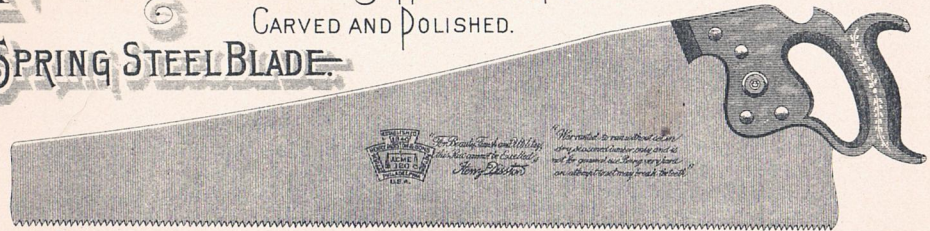


DISSTON



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

No 120, Acme. Apple Wood Handle.
 CARVED AND POLISHED.
SPRING STEEL BLADE.



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

"DISSTON" ON A SAW IS A GUARANTEE OF QUALITY

THE HANDLES OF THE DISSTON HANDSAWS ARE SO SHAPED AND ADJUSTED TO THE BLADES AS TO GIVE THE CORRECT "HANG" OR PITCH TO THE SAW WHEN ENTERING THE WORK.

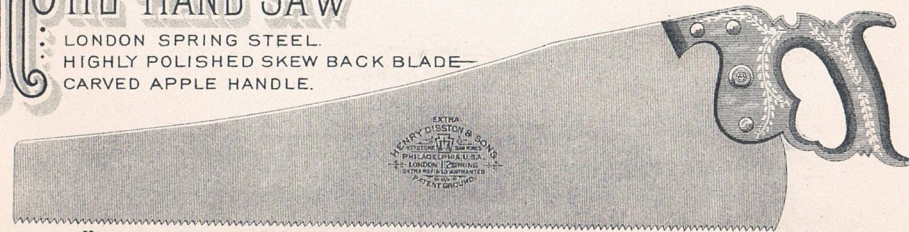
THE DISSTON HANDLE MAKES THE SAW FEEL LIGHT AND WELL BALANCED, AND AT THE SAME TIME WILL FEED INTO THE WORK WITH A MINIMUM OF WRIST PRESSURE. SOME SO-CALLED NEW PATTERNS OF HANDLES ARE SO SHAPED IN THE "HANDHOLD" AS TO RAISE THE POINT OF THE SAW WHEN IN POSITION FOR WORK, MAKING THE SAW HANG SO EXTREMELY LIGHT THAT IT REQUIRES THE EXERTION OF EXTRA WRIST PRESSURE TO MAKE THE SAW ENTER THE WORK, TIRING THE OPERATOR VERY QUICKLY.

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

• UNEQUALED •

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

No 12 HAND SAW
 LONDON SPRING STEEL.
 HIGHLY POLISHED SKEW BACK BLADE—
 CARVED APPLE HANDLE.



"SUPERIORITY" IS OUR WATCHWORD

We spare no pains or expense to maintain the high reputation we have

DISSTON & SONS

OUR WORKS AT PHILADELPHIA, PA.

COVER FORTY ACRES

OVER 3500 HANDS EMPLOYED

THE FINEST SAW IN THE WORLD

No 12, LONDON SPRING STEEL

HIGHLY POLISHED BLADE...
CARVED APPLE HANDLE.



DISSTON SAWS

MAY BE HIGHER IN PRICE THAN
OTHERS BUT YOU GET THE DIFFERENCE IN

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

DISSTON'S

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

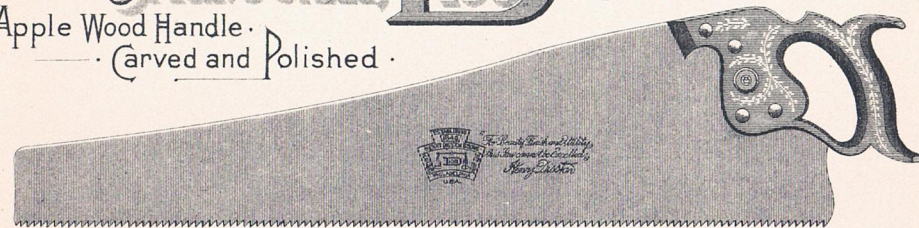
SPRING STEEL,

100

SKREW BACK,

Apple Wood Handle.

Carved and Polished.



DISSTON SAWS HAVE BEEN IMITATED
BUT NEVER DUPLICATED

THE MOST POPULAR SAW
IN THE WORLD

D Skew Back

Spring Steel
Apple Handle



Perfection comes of long experience

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



1840

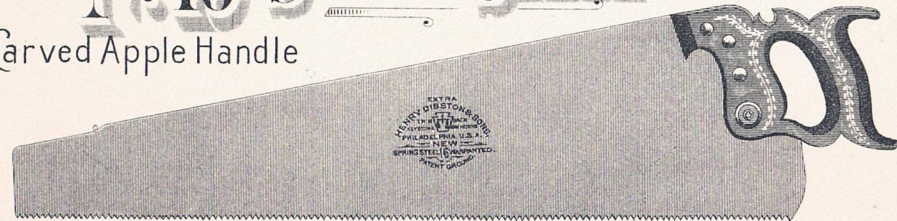
"If you want a Saw, it is best to get one with a name on it which has a reputation. A man who has made a reputation for his goods knows its value, as well as its cost, and will maintain it."

Henry Disston

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

— **NO. 16 SPRING STEEL** —

Carved Apple Handle

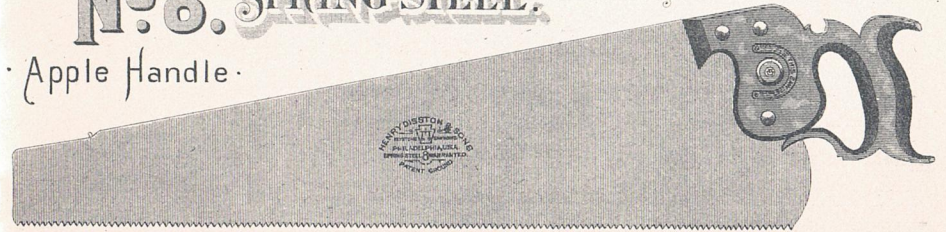


THE WORLD RECOGNIZES **DISSTON SAWS** AS THE
STANDARD BY WHICH ALL OTHERS ARE

IF YOUR DEALER CANNOT SUPPLY YOU,
WRITE US.

BUY A SAW WITH **DISSTON** ON IT
THE NAME IS A GUARANTEE OF SUPERIOR QUALITY
No. 8. SPRING STEEL.

Apple Handle.



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

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

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

DISSTON

*No. 7, Cast Steel,
Beech Handle.*



TO DO GOOD WORK A **MECHANIC** REQUIRES

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

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

NARROW WIDTH HAND SAWS.

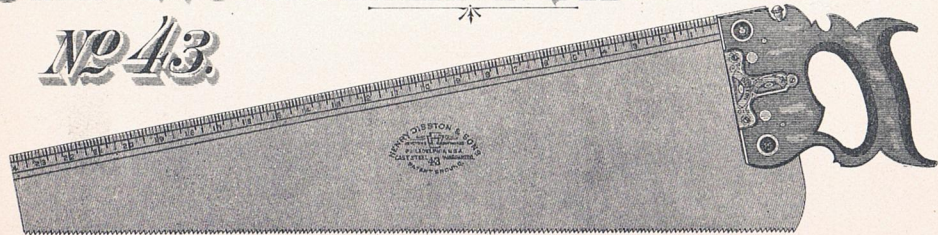
SHIP CARPENTER'S
100 SAW.



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

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

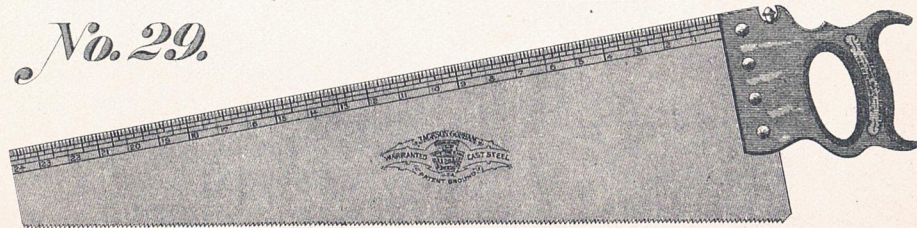
No 43.



WITH PLUMB AND LEVEL ATTACHMENT.

26 INCH
LENGTH
ONLY.

No. 29.



COMPRISING

INDEPENDENT HANDLE—

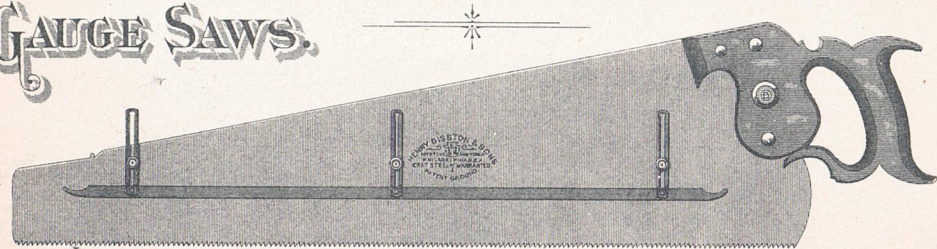
26 INCH
LENGTH
ONLY.

e Endeavor to
Anticipate all Requirements

A USEFUL DEVICE—

THE MERIT OF WHICH IS READILY APPARENT

GAUGE SAWS.



NO. 7 QUALITY AND PATTERN OF SAW.

ADAPTED FOR

**TENONING—SHOULDERING—DOVETAILING
CURVING—COG-CUTTING**

OR ANY PURPOSE—

FITTED TO
ANY PATTERN
STRAIGHT BACK
HAND SAW

BACK SAWS OF DISSTON BRAND

PERFECT IN WORKMANSHIP AND TRUE IN CUTTING.

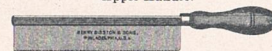
**HENRY DISSTON & SONS'
CAST-STEEL BACK SAWS.**



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

DOVETAIL SAW.

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



**PATTERN-MAKER'S
SAW.**

Extra Quality Spring Steel,
Apple Handle.



MAKE LESS KERE AND TAKE LESS MUSCLE

DISSTON SAWS

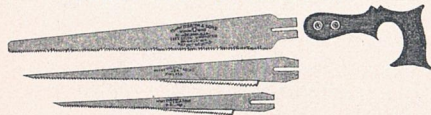
have been in the lead for over **SIXTY-SIX YEARS**
and are still **AT THE HEAD.**

NO. 5. KEYHOLE SAW AND PAD.



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

PATENT SQUARE HOLE SAWS.



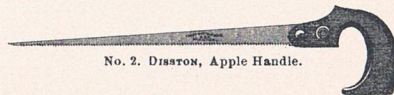
Square Hole Compass, Square Hole Saw and Pruning Blade.

NO. 3. NEST OF SAWS.

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



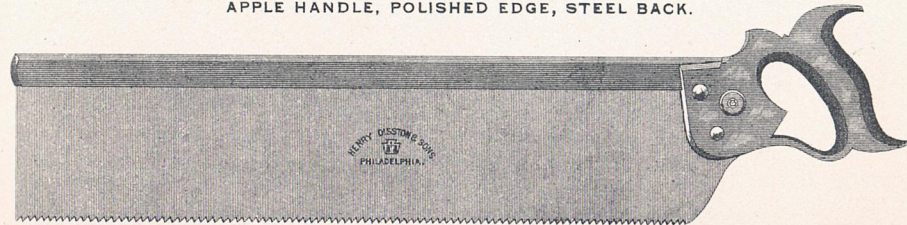
CAST-STEEL COMPASS SAW.



No. 2. Disston, Apple Handle.

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

APPLE HANDLE, POLISHED EDGE, STEEL BACK.



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

The many unsolicited Testimonials received warrant our CLAIM for making

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

ONE-MAN CHAMPION CROSSCUT SAW



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

CHAMPION CROSSCUT SAW



WITH THE SAME AMOUNT OF FITTING AND EXERTION THE DISSTON SAWS WILL DO

THE DISSTON LINE OF CROSSCUT SAWS IS COMPLETE AND UNEQUALED

ORIOLE CROSSCUT SAW



TENON TOOTH CROSSCUT SAW



HAVING A THOROUGH KNOWLEDGE OF THE REQUIREMENTS OF SAWS, WE MAKE

THEM TO MEET THOSE REQUIREMENTS

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

TRIUMPH GREAT AMERICAN
(NARROW CROSSCUT SAW)



GREAT AMERICAN CROSSCUT SAW



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

UNIFORMITY AND SUPERIORITY OF QUALITY

Accuracy, fineness of finish and superior
quality of material are Characteristics of

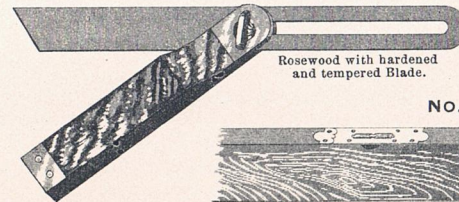
DISSTON GOODS.

No. 93
GAUGE.



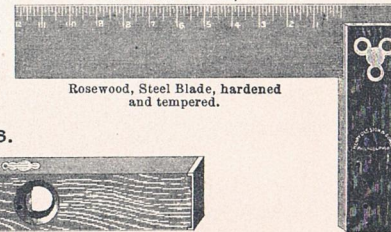
Mortise, Rosewood, Screw Slide, Head and Stem Plated, Thumb Screw.

BEVEL, No. 2.
WITH IMPROVED FLUSH SCREW.



Rosewood with hardened
and tempered Blade.

TRY SQUARE, No. 1



Rosewood, Steel Blade, hardened
and tempered.

No. 16.



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

DISSTON SCREW-DRIVERS.

TELEGRAPH.



ELECTRIC.



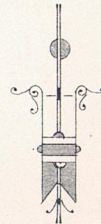
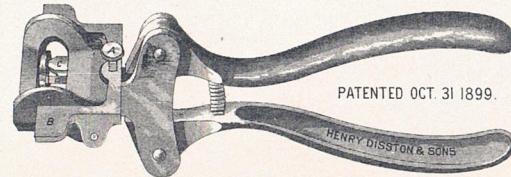
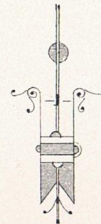
MACHINISTS' SCREW-DRIVER.



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

DISSTON'S "TRIUMPH" SAW SET

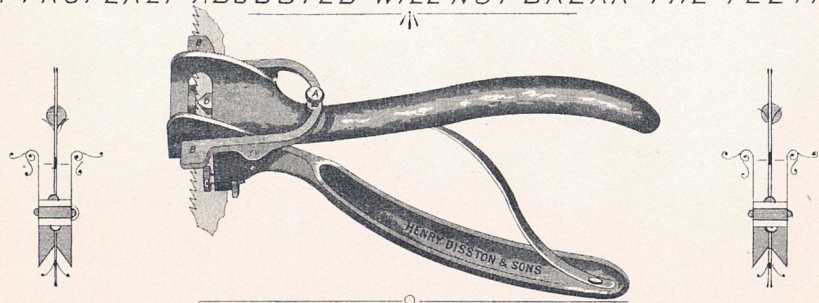
—PARTICULARLY ADAPTED FOR NARROW BLADES, SUCH AS WEB SAWS, NARROW BAND SAWS, ETC.



THE IDEA EMBODIED IN THIS SAW SET IS ONE THAT WILL COMMEND ITSELF TO EVERY USER OF A SAW-SETTING TOOL. THE PRINCIPAL FEATURE IS THE USE OF TWO PLUNGERS OPERATED BY THE TWO LEVERS OR HANDLES; PRESSURE ON THE LOWER LEVER FORCING PLUNGER "D" AGAINST THE BODY OF THE SAW, THE

DISSTON'S "MONARCH" SAW SET

IF PROPERLY ADJUSTED WILL NOT BREAK THE TEETH.



OPEN ON TOP. CLEAR VIEW OF THE WORK. DIE HAS
DIFFERENT SIZE FACES,

THE SAW

HOW TO CHOOSE IT AND HOW
TO KEEP IT IN ORDER

BEING A SERIES OF
PRACTICAL HINTS TO MECHANICS

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

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

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

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

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

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

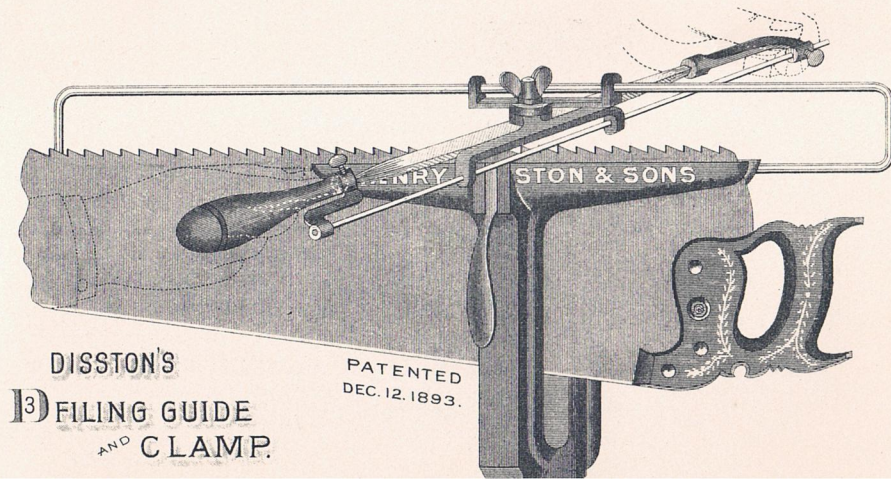
To overcome this difficulty, we manufacture the Triumph and Monarch Saw Sets which are unequalled for simplicity, durability and accuracy in setting all kinds of Hand Saws, Web Saws, Wood Saws, Back Saws, Band and Small Circular Saws.

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

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

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

HENRY DISSTON & SONS, INC.
PHILADELPHIA, PA.



DISSTON'S
**D³ FILING GUIDE
AND CLAMP.**

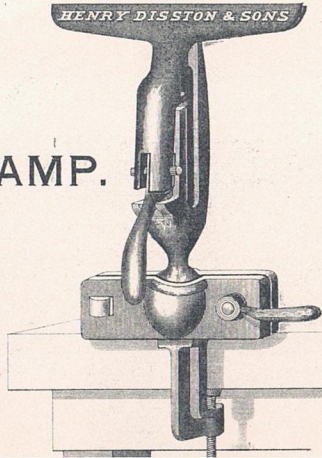
PATENTED
DEC. 12. 1893.

IMPROVED
No. 1 ADJUSTABLE
BALL AND SOCKET

CLAMP.

LEVER TIGHTENER.

STRONG



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

WE MAKE OTHER STYLES
OF SAW CLAMPS.

DISSTON SAW FILES.



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

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

CORRECTNESS OF PATTERN AND WEARING QUALITIES
CANNOT BE EXCELLED.

WE MANUFACTURE A FULL LINE OF

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

SAWS

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

—AND—

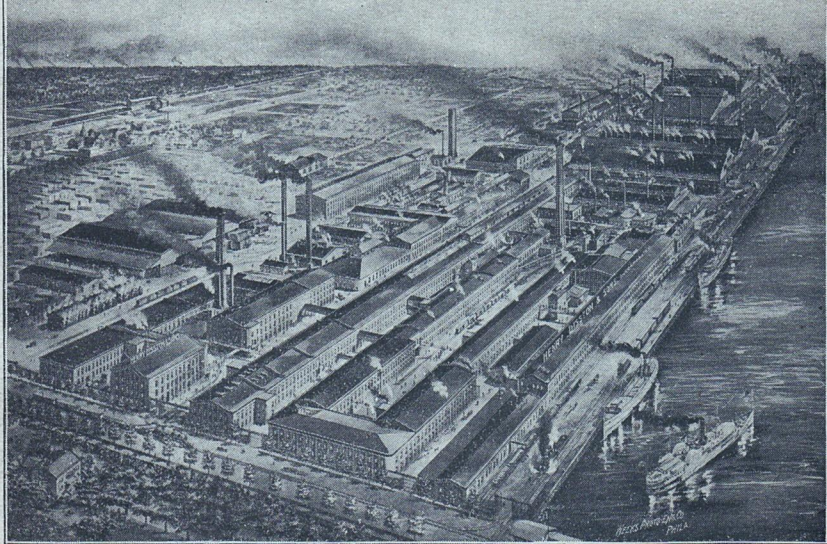
TROWELS, TRY SQUARES, BEVELS, PLUMB & LEVELS, GAUGES,
SCREW DRIVERS, SAW HANDLES, SAW SCREWS, SAW SETS,



THE **BRAND** THAT STANDS
THE TEST OF TIME

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

IT CARRIES A FULL WARRANTY



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