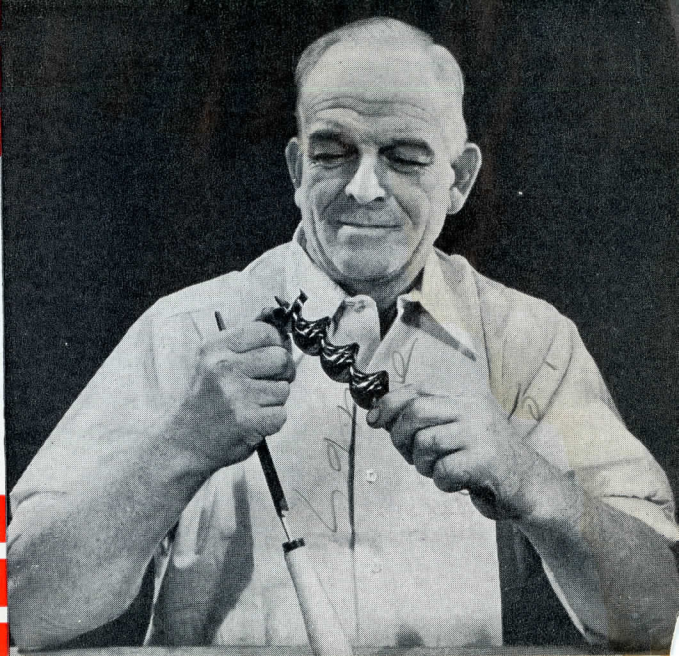
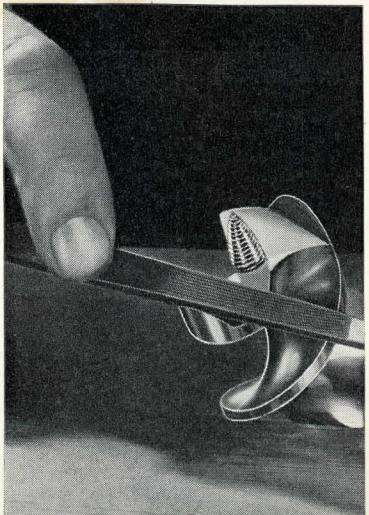
HOW TO SHARPEN AND CARE FOR

Russell Jennings AUGER BITS



Sharpening THE SPURS

FOR EASY BORING . . . KEEP YOUR BITS SHARP



For best results, keep the lips and spurs of your bits sharp. Illustration at left shows the correct way to sharpen the spur. File it on the inside—*never on the outside.* Filing it on the outside would seriously impair the diameter of the hole to be bored and the smoothness of its walls.

In filing the spur, reduce the inside face as well as the edge, so as to preserve so far as possible the original proportions. The general angle of this face should remain the same.

Illustration at right shows how to sharpen the lip. File the under side of the lip—the side toward the shank. *Never file the side toward the screw,* as this would decrease the cutting efficiency. File well back into the throat. Do not leave the edge too blunt; the ideal to seek is a gradual taper from a keen edge.

For both lips and spurs, use a good "second cut" file. A half-round, three-cornered or safe-edge flat file will do, but be sure it is of a size that fits the surfaces to be reduced.



Sharpening THE LIPS

THE "RUSSELL JENNINGS" HOLDS ITS EDGE

How to care for
A HIGH GRADE AUGER BIT

Russell Jennings Auger Bits come to you highly polished and oil wrapped. You can keep them rust-resistant by rubbing them with an oily cloth before putting them away. Be sure to get the lubricant well into the coils and the screw threads and on the cutting edges. Motor or machine oil will do. To brighten the screw, dip it in oil, then into fine emery, then bore into wood.



Russell Jennings Auger Bits are sturdy, but they should be treated like any other good cutting tools. Do not throw them in the chest or onto a crowded bench. When starting a hole, avoid jamming the bit into the wood. Give the screw a chance to enter the wood squarely; it will save effort and insure accurate boring direction.

Russell Jennings
AUGER BIT SCREWS

The screw thread is responsible for easy, accurate boring in wood. When clean-cut and of proper pitch, it will draw the bit into the wood without forcing.

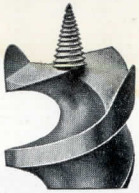


Fig. 1 — Russell Jennings *Standard Double Thread Point.* Unsurpassed for accurate work in seasoned soft wood. Preferred by most cabinet makers.

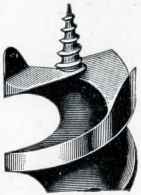


Fig. 2 — Russell Jennings *Single Thread Point.* Designed for quick boring. Takes a strong hold in the wood and does not clog in very gummy wood. Draws a bit rapidly and easily into extremely hard wood. Especially suited for the work of electricians and plumbers.

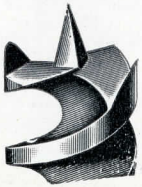


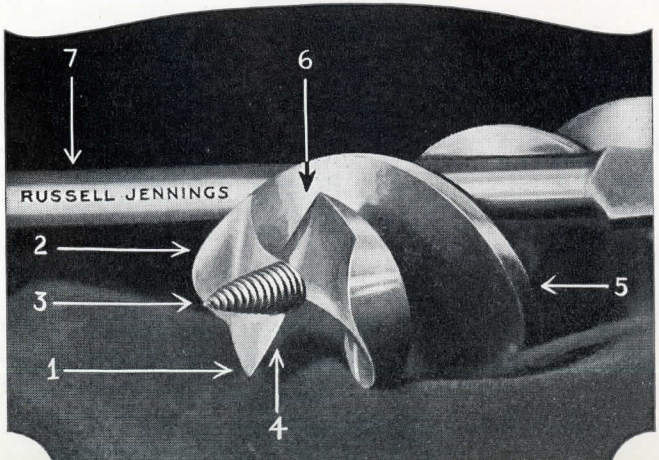
Fig. 3 — Russell Jennings *Square Point.* Sometimes called a "Diamond" Point. Used exclusively for machine boring under forced feed.

Know your
Russell Jennings AUGER BIT

1. *Extension lips (originated by Russell Jennings) hand-sharpened at the factory.*

2. *Spurs, hand-sharpened and micrometered at the factory.*

3. *Screw point, "business end" of the bit. (See previous page.)*

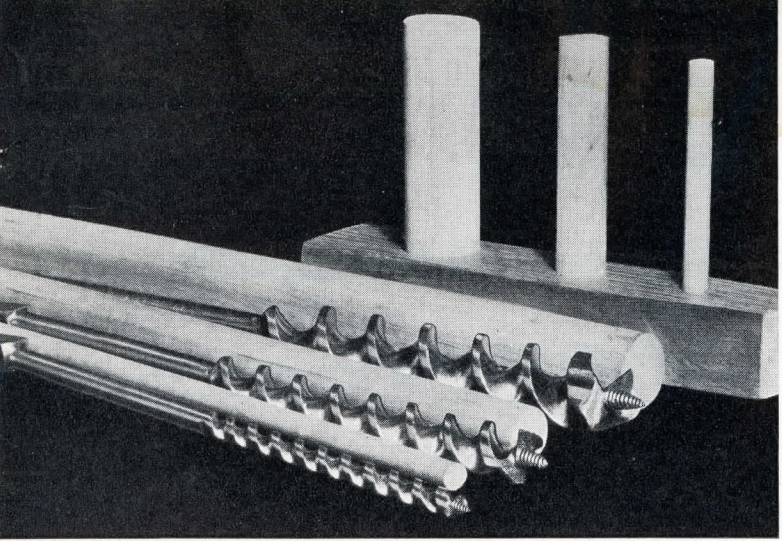


4. *Long-life cutting edges, due to the use of high carbon steel tempered in a modern electric furnace.*

5. *Correct body taper prevents "binding."*

6. *Throat designed for easy chip clearance.*

7. *Look for the full name "Russell Jennings" on the shank.*

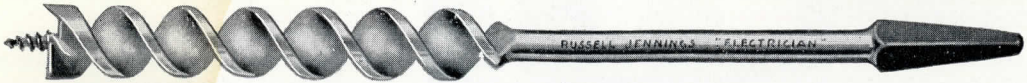


The "Russell Jennings" IS TRUE TO SIZE

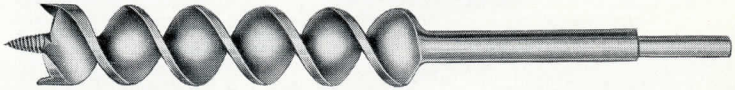
The markings on the shanks of all Russell Jennings Auger Bits indicate the exact sizes of holes they will bore. These holes will properly receive standard, seasoned dowel stock of corresponding sizes. Illustration shows three actual examples of bit and dowel agreement, and this exactitude governs throughout all bit diameters.

Such precision means more speed, better work, less waste; and explains why the genuine Russell Jennings Auger Bit is a favorite with cabinet makers, joiners, pattern makers and advanced amateurs.

Plumbers' and Electricians' Bits



No. L101E— Special bits with single spur and cutter and coarse screw. They bore with surprising rapidity with or against the grain, in gummy or seasoned wood. Proper taper of the twist assures perfect chip clearance. Special analysis steel, electric furnace tempered. Length overall 10-1/2". Diameters in 16ths: 10, 11, 12, 13.



No. 100ED Round shank bits for use in portable electric drills and in the drill press for boring in wood. Electric furnace tempered carbon steel. Shank diameter, 1/4". Available in sizes from 4/16" to 16/16" diameters with brad point or screw-point as specified.

Auger Bits

IN CONVENIENT GRADED SETS

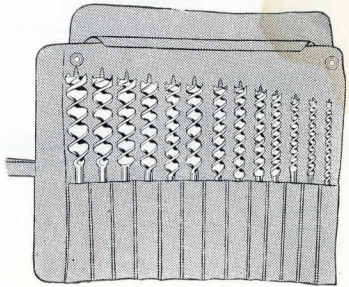
32½ Qtrs. 13 Bits, 4/16 to 16/16 inclusive. Available in wood box or canvas roll.

20½ Qtrs. 9 Bits, 4, 5, 6, 7, 8, 10, 12, 14, 16 sixteenths. In canvas roll only.

17½ Qtrs. 7 Bits, 4, 6, 8, 10, 12, 14, 16 sixteenths. In canvas roll only.

Bits available in the three-section hard wood box or in canvas rolls have the double thread point. Bits with single thread points are also available in sets.





Russell Jennings

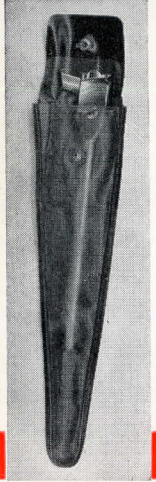
EXPANSIVE BITS

Take a look at the construction of the Russell Jennings Expansive Bit. The cutter rocks back and forth in the solid steel head. No plates or clamps to let go under hard going.

It has an accurate screw adjustment. One complete turn of the screw enlarges the hole 1/8″; a half turn 1/16″, etc.

Russell Jennings Expansive Bits are made of the same high-carbon steel — tempered in the same careful way — and finished with the same precision as all other Russell Jennings Bits, and they carry the same quality guarantee.





TWO SIZES AVAILABLE

No. 71 Equipped with two cutters — one for holes 1-1/2 to 2-1/2 inch; one for holes 7/8 to 1-1/2 inch.

No. 71B Equipped with three cutters — for holes 2-1/2 to 3 inch, 1-1/2 to 2-1/2 inch, 7/8 to 1-1/2 inch.

Both sizes of Russell Jennings Expansive Bits are packed individually in a handy plastic kit.



Look for the name

"RUSSELL JENNINGS" *on the shank!*

RUSSELL JENNINGS AUGER BITS

PRODUCTS OF STANLEY THE TOOL BOX OF THE WORLD

New Britain, Connecticut, U.S.A.

WATERSTON'S

"The Home of Good Tools"

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