

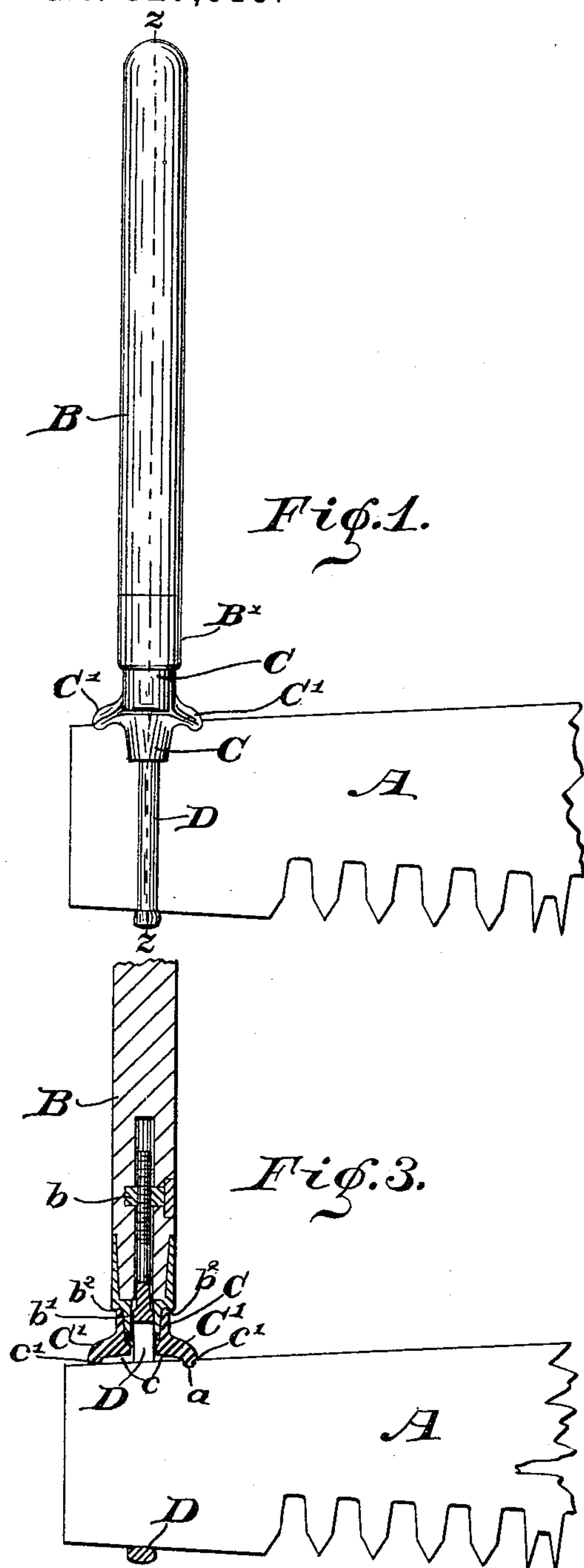
(No Model.)

R. E. POINDEXTER.

SAW HANDLE.

No. 327,015.

Patented Sept. 29, 1885.



WITNESSES.

Chas. Leonard.

E. W. Bradford.

Fig. 4.

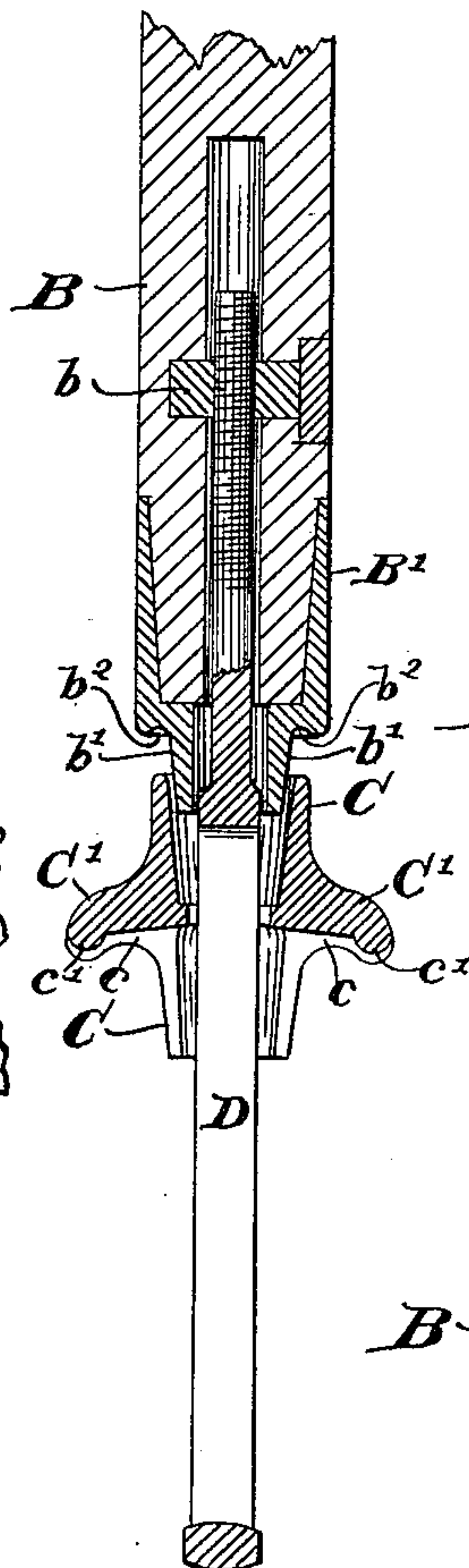
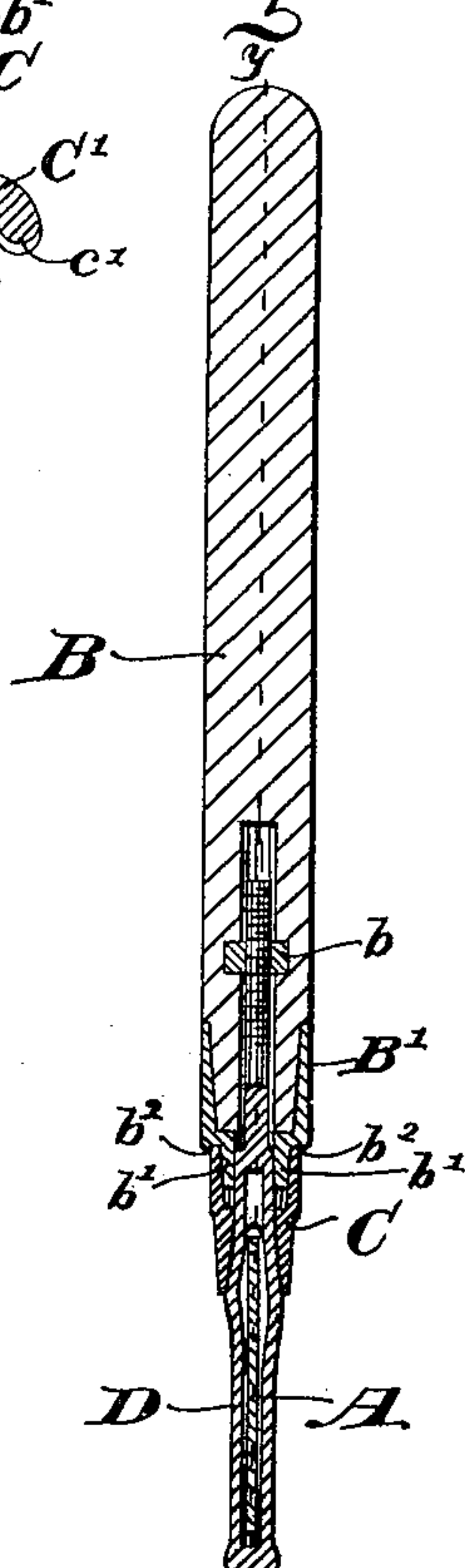


Fig. 2.



INVENTOR.

Robert E. Poindexter,

PER

C. Bradford.

ATTORNEY.

UNITED STATES PATENT OFFICE.

ROBERT E. POINDEXTER, OF INDIANAPOLIS, INDIANA.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 327,015, dated September 29, 1885.

Application filed December 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, ROBERT E. POINDEXTER, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Saw-Handles, of which the following is a specification.

My said invention consists in an improved construction of saw-handles, whereby a neat, strong, and durable handle is produced, as will be hereinafter more fully set forth.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of the end of a saw having one of my improved handles thereon; Fig. 2, a vertical section of the same, looking to the right from the dotted line $z z$ in Fig. 1; Fig. 3, a vertical section looking to the right from the dotted line $y y$ in Fig. 2, and Fig. 4 a detail sectional view on an enlarged scale corresponding to Fig. 3, except that the washer and ferrule are shown slightly apart and the saw is removed.

In said drawings, the portions marked A represent the saw; B, the main part of the handle; C, a washer, and D the strap which encircles the end of the saw and forms the other part of the clamp.

The saw A is or may be any saw with which such handles are used. It is preferably provided with a small notch, a , on its top edge, near the end, with which a suitably-formed part on the washer C engages, as will be presently more fully described.

The handle B is of substantially the usual or any suitable construction. In its lower end it is provided with a longitudinal perforation, in which a nut, b , is set, as shown. A ferrule, B' , is also provided on its lower end, which has an annular flange, b' , projecting downwardly and adapted to fit into the upper end of the washer C. A shoulder, b^2 , is formed between the periphery of the upper end of said flange and the outer periphery of said ferrule, against which the upper end of the washer C bears. The surface of said shoulder is preferably formed concave or in the nature of a crease or groove, as shown, and a more perfect and rigid joint thus formed between the two parts.

The washer C is formed of malleable or cast

metal, and is mounted on the strap or bolt D, between the edge of the saw and the ferrule B' , as shown. The opening in its top is formed conical and of the required size and depth to afford a perfect seat for the flange b' of the ferrule B' , its upper edge fitting snugly into the shoulder b^2 of said ferrule. It is provided with arms C' , extending out on each side, which rest upon the top of the saw when in position thereon, the under sides of which are provided with grooves c , in which the edge of the saw rests. The ends of said arms have suitably-formed bearing-points, c' , the one of which nearest the middle of the saw engages with the notch a in the edge of said saw, and thus drops this arm down level with the other, which bears on the edge of the saw, (the back of said saw being inclined, as usual,) and thus the handle is held at right angles with the center line of the saw, and a firmer hold is also had thereon. The object may be substantially accomplished by extending one arm up a little higher than the other instead of having the notch a , if desired; but I prefer the construction illustrated. From the arms down to the lower end the washer is tapered slightly, as shown, and is provided with a slot, which is, in effect, a continuation of the groove in the under side of the arms, thus permitting it to extend down on each side of said saw, forming with the arms a broad seat, and thus when the device is tightened up any movement of the handle on the saw when in use is prevented. The parts which extend down on each side are tapered, as before described, toward the end, and thus make a neat connection with the strap D, which is preferably bulged out where they meet, as will be presently described.

The strap D is not in the main peculiar to this invention, it being the ordinary strap used on this class of handles, surrounding the saw-blade, and having a preferably solid screw-threaded upper end, which operates in the nut b in the handle, as is well understood. The portion at the lower end of the washer C is preferably swelled out, as shown, (see particularly Fig. 2,) for the double purpose of preventing said washer from slipping off over the lower end of said strap when removed from the saw and to bear against the inside of the lower end of the device C, and thus operate to give lateral support to the handle. It also corre-

sponds more nearly to the lower end of the washer C in shape, and thus forms a neat finish from the ferrule to the end of the strap.

The operation of my invention is as follows:

5 The strap D is slipped on over the end of the saw, and the washer C is placed in position, one arm having its bearing-point in the notch *a*, and the other resting on the edge, with the lower end extending down on each side of the
10 saw for a short distance, as shown. The handle is then, by means of the nut *b* in its lower end, screwed down onto the screw-threaded end of the strap until the ferrule B' bears upon the top end of the washer C, and the several parts are drawn tightly together, clamp-
15 ing the end of the saw firmly. The bulged-out part of the strap being drawn tightly into the lower end of the washer C, the handle is thus given a firm lateral support, as before described.
20

I am aware that it is old to fit a washer or an annular flange thereof in an annular concavity of the ferrule. I am also aware that washers have been constructed having arms
25 extending out on each side and bearing on the edge of the saw; and also that washers having parts extending down on each side of the saw have before been used; but I am not aware that any handle has ever been constructed
30 embodying all the features of this invention, as herein described and claimed.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

35 1. The combination, in a saw-handle, of the handle B, ferrule B', having downwardly-projecting flange *b'*, the washer C, the top end of which is adapted to receive said flange, strap D, having the washer mounted thereon, arms
40 C', extending out on each side of said washer and bearing on the edge of the saw, the lower end of said washer from said arms to its lower end being provided with a slot, which is prac-

tically a continuation of the grooves in the under side of said arms, whereby said washer 45 is adapted to extend down on each side of the saw and give lateral support to the handle, substantially as set forth.

2. The combination of the saw A, the handle B, ferrule B', having a downwardly-projecting 50 annular flange, *b'*, and also having a concave shoulder, *b²*, formed between the upper end of said flange and the outside edge of said ferrule, washer C, the top edge of which is formed to fit into said shoulder *b²*, and the top of which is 55 provided with an opening to receive the flange *b'*, and the lower end of which is provided with a slot to receive the edge of the saw, the arms C', extending out on each side of said washer, provided with bearing-points *c'* on their ends, 60 one of which engages with a notch, *a*, in the back of the saw, and the strap D, on which said washer is mounted, one end of which engages with a nut in the handle, and the other end of which surrounds the end of the saw, all sub- 65 stantially as described, and for the purposes specified.

3. The combination, with a saw, of the handle B, having a ferrule, B', provided with a flange, *b'*, the washer C, the top end of which is 70 adapted to receive said flange, and the lower end of which extends down on each side of the saw, arms C', extending out on each side of said washer and bearing on the edge of the saw, and the strap D, the top end of which is screw- 75 threaded and operates in a nut in said handle, said strap being also bulged out where it enters the lower end of said washer, substantially as described, and for the purposes specified.

In testimony whereof I have hereunto set my 80 hand and seal, at Indianapolis, Indiana, this 11th day of December, A. D. 1884.

ROBERT E. POINDEXTER. [L. S.]

Witnesses:

C. BRADFORD,

E. W. BRADFORD.