

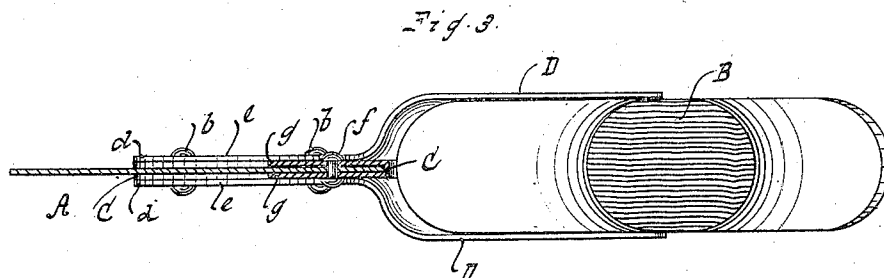
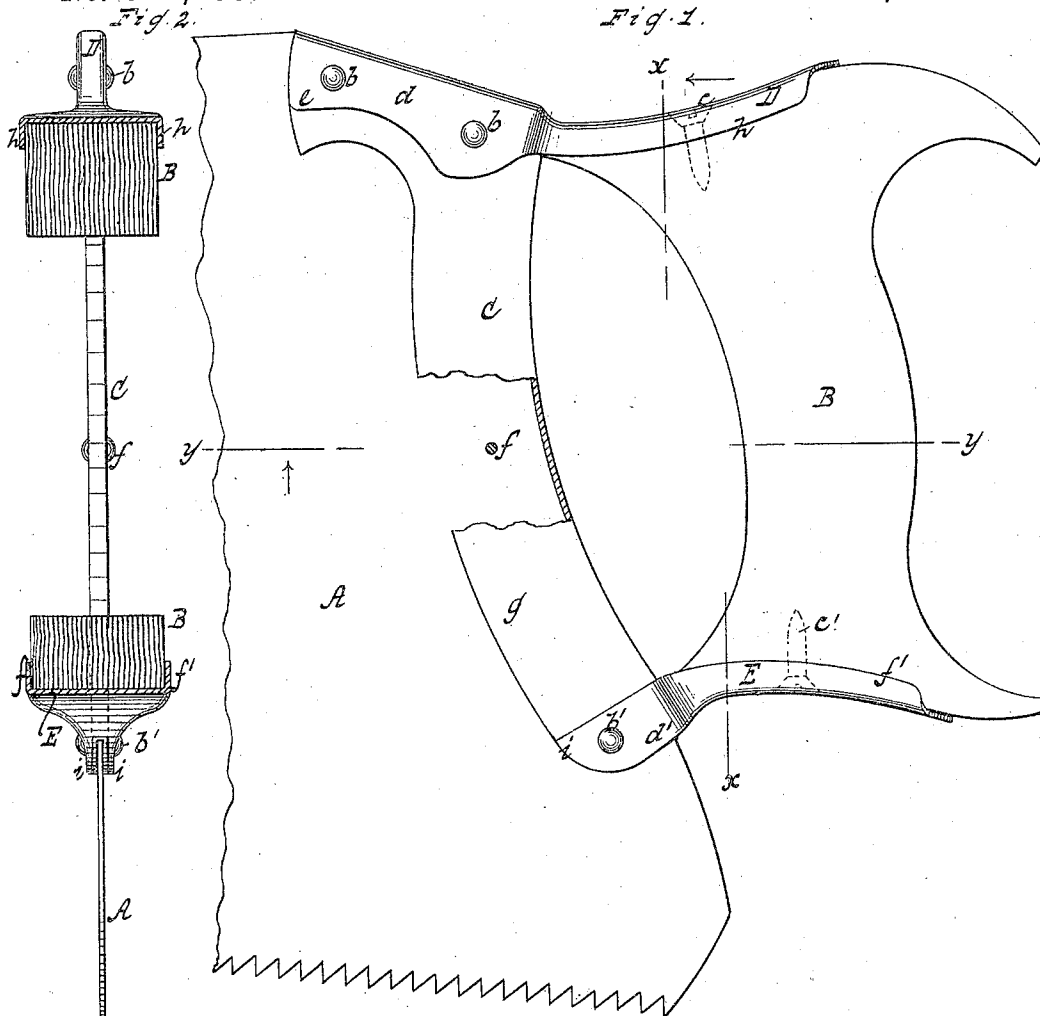
(No Model.)

A. LORD.

SAW.

No. 311,435.

Patented Jan. 27, 1885.



WITNESSES:

William Miller
J. L. Coombs

INVENTOR

Almon Lord

BY Van Hook & Hauck

ATTORNEYS

UNITED STATES PATENT OFFICE.

ALMON LORD, OF BROOKLYN, NEW YORK, ASSIGNOR TO WILLIAM H. HANKIN, OF SAME PLACE.

SAW.

SPECIFICATION forming part of Letters Patent No. 311,435, dated January 27, 1885.

Application filed August 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALMON LORD, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Saws, of which the following is a specification.

This invention relates to improvements in handsaws, and has for its object to provide novel, efficient, and strong connections between the saw-handle and saw-blade; to which end the invention consists in the construction and combination of devices, hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side view of a handsaw containing the improvements. Fig. 2 is a vertical section along the line *x x*, Fig. 1. Fig. 3 is a horizontal section along the line *y y*, Fig. 1, looking in the direction of the arrow.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the saw-blade, and the letter B the handle.

C is a re-enforcing plate, which is struck up of sheet metal and provided with two jaws, *g g*, between which the rear edge of the saw-blade is introduced, and which are secured to the saw-blade by one or more rivets, *f*.

D is a cap, which is struck up of sheet metal and fitted to the top of the handle, to which it is secured by one or more screws, *c*. The cap D is provided with side flanges, *h h*, which project from each edge downward, so as to inclose a portion of the handle on each side, as shown in Fig. 2. The forward part of the cap D is provided with an extension, *d*, which extends from the handle to and over the back of the saw-blade, and which is provided with flanges or jaws *e e*, that come down a little distance over and embrace the sides of the re-enforcing plate C, whose jaws extend up under the flanges *e e* and embrace the sides of the blade. The extension *d* is by preference closed at the top, covering the back edge of the blade; but it may, if desired, be made open at that part. The extension *d* of the cap D is firmly secured to the saw-blade by rivets *b b*, which go through the flanges *e e*, the jaws of the re-enforcing plate C, and the saw-blade, so as to firmly unite them to each other and to the handle.

E is another cap, which is struck up of sheet

metal, and which fits the bottom of the handle, being also provided with flanges or jaws *f' f'*, extending upward from its edges so as to embrace a portion of the handle. The cap E is secured to the handle by a screw, *c'*, (one or more,) and it is provided with an extension, *d'*, which is divided into two parts, *i i*, that project over the rear edge of the saw-blade, overlapping the lower ends of the jaws of the re-enforcing plate, as shown, being secured to the re-enforcing plate and to the saw-blade by rivets *b'*, (one or more.) The re-enforcing plate serves to stiffen and strengthen the rear portion of the saw-blade, being firmly secured to the cap-plates D and E and the handle. If desired, the caps D and E may be secured directly to the saw-blade without the interposition of the re-enforcing plate; but I prefer to secure them in connection with the plate C. The re-enforcing plate C enables me to secure a smooth edge at the rear part of the saw-blade, thereby preventing injury to the hand of the operator from contact with that part of the saw. The caps D and E, provided with their flanges, which embrace the edges of the top and bottom of the handle, and the extensions of the said caps, form a secure connection between the handle and saw-blade, and the flanges of the caps serve to prevent lateral displacement of the handle.

I am aware of United States Patent No. 295,385, granted to William H. Hankin, Jr., dated March 18, 1884. In that patent a sheet-metal frame is described which is made in one piece and provided with arms to be fastened to the top and bottom edges of the handle, and with jaws between which the saw-blade is received. In my device caps D and E are employed, the side flanges of which overlap the top and bottom edges of the handle, so that they materially increase the firmness of the connection between the handle and the saw-blade.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the saw-blade A, the handle B, and the re-enforcing plate C, embracing the rear end of the saw-blade, of the upper and lower caps, D and E, secured to the handle and having extensions *d d'*, embracing the upper and lower portions of the

re-enforcing plate and secured thereon, substantially as described.

2. The combination, with the saw-blade A, the handle B, and the re-enforcing plate C, 5 having jaws *g*, embracing the saw-blade, of the caps D and E, having flanges *h* and *f'*, embracing, respectively, the opposite sides of the upper and lower portions of the handle, and provided with the forward extensions, *dd'*,

embracing the upper and lower portions of the re-enforcing plate, substantially as described. 10

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

ALMON LORD. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.