

No. 607,700.

Patented July 19, 1898.

J. OLDHAM.
MEAT OR HAND SAW.

(Application filed Aug. 6, 1897.)

(No Model.)

Fig. 1.

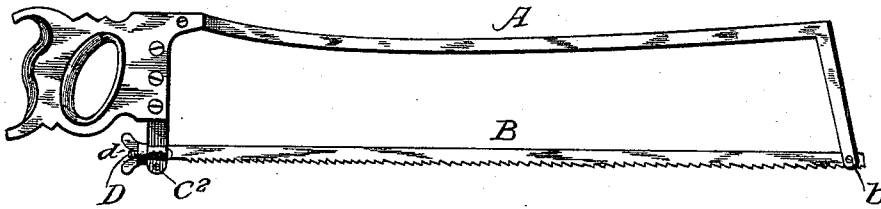


Fig. 5.

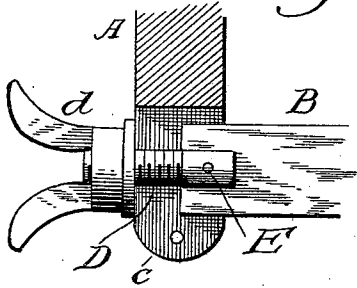


Fig. 2.

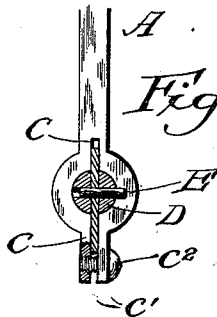


Fig. 4.

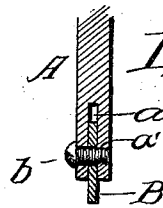
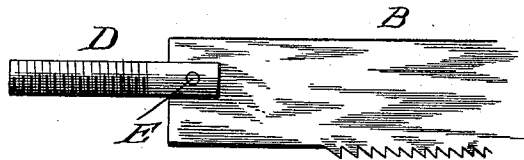


Fig. 3.



Witnesses:

A. R. Appleman
J. Appleman

Inventor:

Joshua Oldham
By J. W. Wister Atty.

UNITED STATES PATENT OFFICE.

JOSHUA OLDHAM, OF NEW YORK, N. Y.

MEAT OR HAND SAW.

SPECIFICATION forming part of Letters Patent No. 607,700, dated July 19, 1898.

Application filed August 6, 1897. Serial No. 647,365. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA OLDHAM, a citizen of the United States, residing at New York, (Brooklyn,) in the county of Kings and State of New York, have invented certain new and useful Improvements in Meat or Hand Saws; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in saws, more especially meat-saws.

My invention has for its object among other things to dispense with the use of a permanent rivet for securing the blade or web near its rear or handle end to the bow or frame, to provide for securing the distant or forward end of the blade readily detachably to the frame or bow, and to prevent the twisting or wrenching of the parts out of their relative positions when the saw is in use.

To these ends the invention consists in effecting the connection between the rear or handle end of the blade or web and the buckle by means of a loose pin, means being provided for effectually preventing the accidental displacement of the pin when the blade is strained, also in adapting the frame or bow at its forward or distant end for the holding of the blade or web preferably by a screw, said rear or handle end of the frame or bow having downward lip extensions clamped or connected below the rear or handle end of said blade, serving as a vise to rigidly hold or clamp this end of the blade with the buckle and pin in place, all substantially as hereinafter more fully disclosed, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view of my improved meat-saw. Fig. 2 is an enlarged detail view, partly in section, showing more fully the loose-pin connection between the rear or handle end of the blade or web and the buckle. Fig. 3 is a similar sectional view showing more fully the rear or handle end connection between the blade or web and the frame. Fig. 4 is a detailed sectional view taken through the forward or dis-

tant end of the frame and blade. Fig. 5 is also a sectional view of the rear or handle end of the frame or bow and blade.

In carrying out my invention I provide the saw-frame A at its forward or distant end with the usual slot, as at *a*, to receive that end of the blade or web B. Through the frame or bow A, at its forward end, where slotted, are produced apertures *a'*, coinciding with the aperture in the blade or web B, one of which is screw-threaded, and through these apertures is inserted a fastening-screw *b* for effecting connection between said frame and blade at said end, which has the effect to bind the blade and the portions of the frame on opposite sides of said blade firmly together, as is obvious.

The vertical rear end of the saw-frame A has formed therewith a split or slitted sleeve or collar C, with its slits or slots *c* cutting it vertically and in alinement to provide for the reception of that end of the saw-blade, and depending from and in one with said sleeve or collar C and extending below the saw-blade are parallel extension-lips *c'*, adapted to be brought together by a binding-screw *c''*, having screw-threaded connection with one of said lips. The slitted collar or sleeve C, with the lips or extensions *c'* and their binding-screw *c''*, practically constitutes a clamp, the function of which will be apparent hereinafter.

D is a split cylindric stud termed the "buckle," having one end screw-threaded and its split or slit in the opposite end adapted to receive the handle or rear end of the saw-blade or web, said screw-threaded end of the stud or buckle being fitted with a hexagonal or winged nut *d*.

Instead of resorting to riveting or bolting, as heretofore practiced, I am enabled to make connection between the saw-blade or web B and the buckle D by simply inserting a pin E loosely into coincident apertures in the split end of the buckle D and the rear or handle end of the saw-blade or web B, which has, as is apparent, decided advantages over the riveting process, allowing the blade to be easily and quickly removed from its frame without mutilation.

It is obvious that in screwing up on the nut *d* to properly strain the blade or web for use

the loose-pin connection E between the blade and buckle will be drawn into the sleeve or collar C and the pin will be inclosed in said sleeve and thus be held effectually against accidental displacement. It will also be seen that with the parts in the position just ascribed to them by turning up the screw c^2 the buckle D and the saw-blade will be firmly clamped against being twisted or wrenched from their places and their relative positions being disturbed.

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

1. In a meat-saw, the combination of the frame or bow having at its handle end a pendent split sleeve, itself also having downward parallel extensions or lips below its circular or sleeve portion proper and below the blade, said lips provided with a binding-screw, the blade connected at its forward end to that end of said frame, the split stud adapted to receive the rear end of said blade and held in said sleeve and provided with a nut, and a loose pin passed transversely through said split sleeve and through an aperture in said blade, and adapted to be drawn into said sleeve by actuating said nut, substantially as set forth.

2. In a meat-saw, the combination of the frame or bow having at its handle end a pendent split sleeve, itself also having downward parallel extensions or lips below its circular or sleeve portion proper, and below the blade, said lips provided with a binding-screw, the split distant or forward end of the frame or bow having coincident apertures, one screw-threaded, the blade let into said forward and near ends of said frame and having holes or apertures one registering with the aforesaid apertures, a binding-screw passed through the apertures in the forward ends of frame and blade with its threaded end engaging the threaded one of said apertures, a split apertured and nuted stud passed through said sleeve and receiving said blade, and the loose pin passed through coincident apertures in said split stud and through an aperture in that end of blade and adapted to be drawn into said sleeve by actuating the nut on said split stud, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOSHUA OLDHAM.

Witnesses:

JOHN J. DONNELLY,
B. O'HARA.