

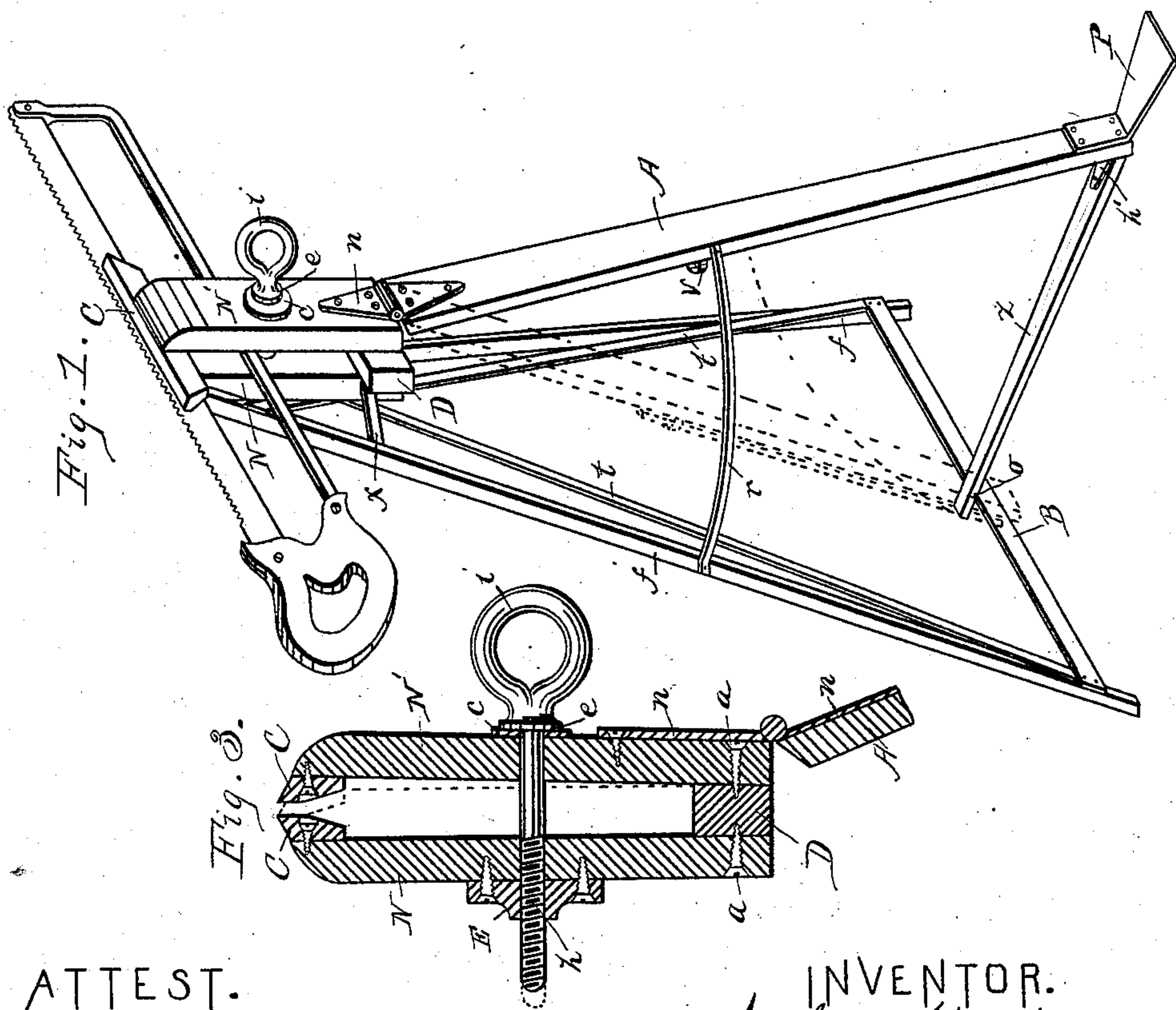
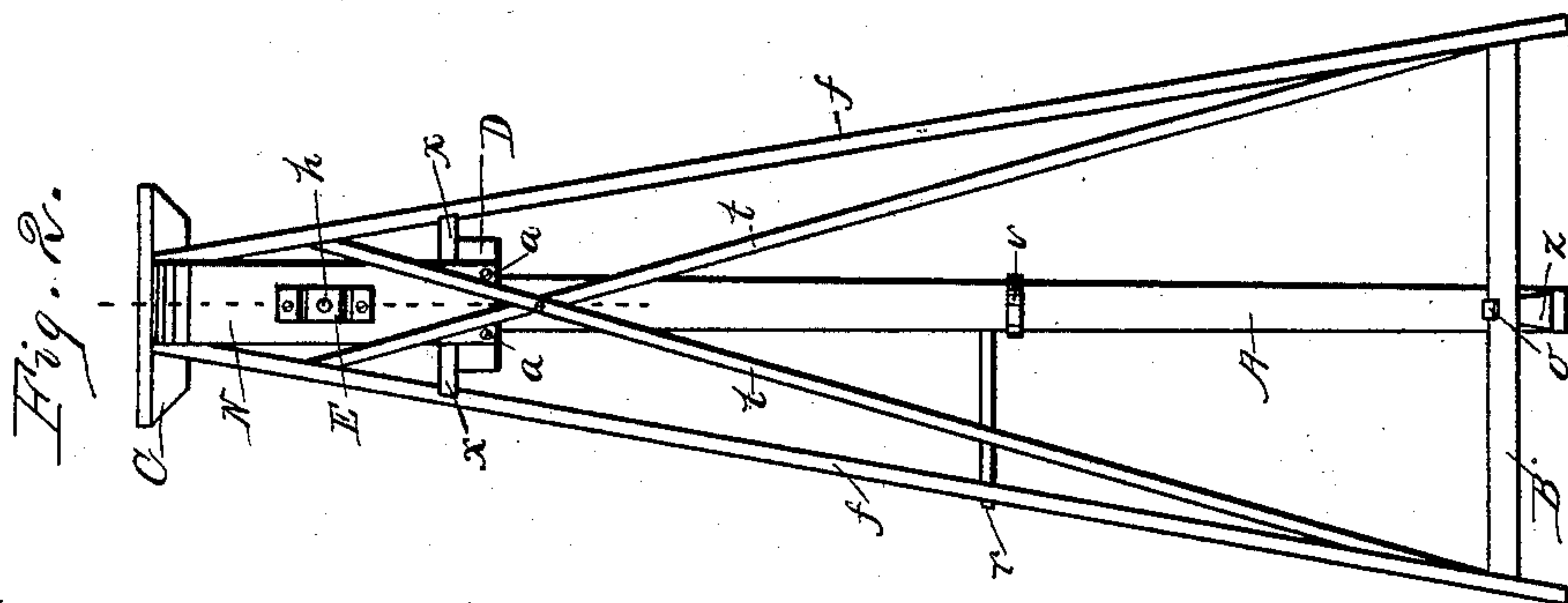
(No Model.)

W. HERTZ.

SAW FILING CLAMP.

No. 365,381.

Patented June 28, 1887.



ATTEST.
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UNITED STATES PATENT OFFICE.

WILLIAM HERTZ, OF DETROIT, MICHIGAN.

SAW-FILING CLAMP.

SPECIFICATION forming part of Letters Patent No. 365,381, dated June 28, 1887.

Application filed March 17, 1887. Serial No. 231,337. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HERTZ, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Portable Saw-Filing Clamps; 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 and figures of reference marked thereon, which form a part of this specification.

My invention is designed for a portable saw-filing clamp, and is adapted especially for filing saws used in meat-markets. It is made to fold up, so as to take up as little space as possible, being light, so as to carry it from place to place, to enable filing saws at the markets or places where they are used.

My invention consists in the general construction of parts, as hereinafter fully explained, and particularized in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective of my invention, in which dotted lines show position of parts when folded. Fig. 2 is a rear elevation. Fig. 3 is an enlarged detail in section.

In the drawings, N N' represent the jaws. To their free ends I attach the saw-supporting clamps C C. The lower ends of the jaws are firmly attached to the horizontal dividing-rail D. The upper edge of said rail is slightly thicker than the lower edge. By this arrangement, when the bolt *h*, passing through the jaws N N', is loosened, as in Fig. 3, the jaws are thrown apart at the upper end.

i is a head for turning the bolt, and *e* is a collar which presses against the washer C.

E is a metal screw-threaded head which I attach to the outer face of the jaw N, and through which the bolt *h* works in tightening and releasing the clamps C C.

I attach to the upper end of the jaw N the supporting-legs *f f*. To the bottom of said legs I attach a transverse bar, B, having

a notch, *o*, in its upper edge to receive the folding brace Z when turned down, as in Figs. 1 and 2.

t t are braces crossing each other, having their ends attached to the legs *f f*; and *x x* are short braces extending from near the bottom of the rear jaw, N, to the legs *f f*, whereby the said jaw is held in a vertical position.

To the lower end of the jaw N', I attach the folding leg A by means of the hinge *n*. To the center of said leg I attach the loop or strap *v*, which I place over the free end of the folding brace Z when turned up, as indicated by dotted lines in Fig. 1.

To the bottom of the leg A, I attach the flexible or leather hold-strap P, its free end lying upon the ground or floor. When the machine is in position for work, as in Fig. 1, upon said strap the operator places his foot when filing directly from him, to prevent lifting of the leg A, and to hold the machine solid; and when filing the saw diagonally the operator places one foot upon the folding brace Z to prevent tipping of the machine and to hold it down firmly.

r is a strap. One end is attached to one of the legs *f*, the other end to the leg A. This strap limits the swinging outward of the leg A.

When conveying the machine from place to place, or not in use, the brace Z is folded up against the leg A, the strap *v* is placed over the end of the brace, and the leg A is swung inward against the transverse bar B, as shown by dotted lines in Fig. 1, when the machine will occupy but a small space.

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

1. In a portable saw-filing clamp, the combination of the jaws, the dividing-block, the bolt and nut for operating said jaws, the legs and braces attached to the jaw N, the leg A, hinged to the jaw N', and the holding-strap P; attached to the lower end of the leg A, as and for the purposes specified.

2. In a device for the purposes set forth, the combination of the jaws, attached at one end to the dividing-block, the mechanism for

tightening said jaws, the legs attached to the rear jaw, the transverse bar joining said legs, the leg A, hinged to the forward jaw, the holding-strap attached to the lower end of the leg A, and the brace Z, hinged to said leg, its free end adapted to engage in the recess of the transverse bar, as and for the purposes specified.

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

WILLIAM HERTZ.

Witnesses:

R. B. WHEELER,
C. W. RUSSELL.