

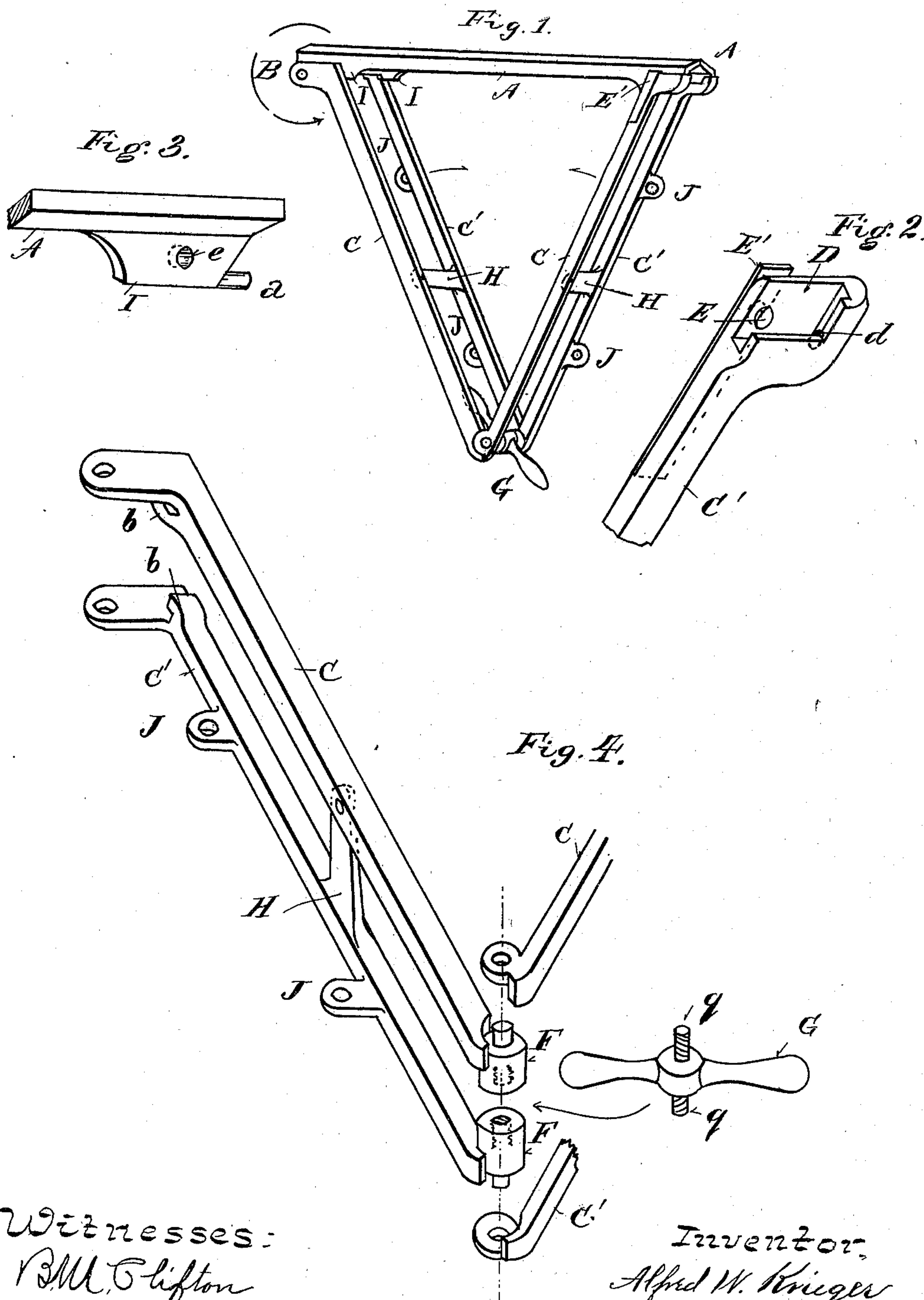
No. 612,502.

A. W. KRIEGER.
SAW CLAMP.

Patented Oct. 18, 1898.

(Application filed July 16, 1896.)

(No Model.)



Witnesses:
B. M. Clifton
Albert Sullivan

Inventor,
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By H. M. Peisted
his Atty.

UNITED STATES PATENT OFFICE.

ALFRED W. KRIEGER, OF ST. LOUIS, MISSOURI, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO FRED DENNIS, OF SAME PLACE.

SAW-CLAMP.

SPECIFICATION forming part of Letters Patent No. 612,502, dated October 18, 1898.

Application filed July 16, 1896. Serial No. 599,439. (No model.)

To all whom it may concern:

Be it known that I, ALFRED W. KRIEGER, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Saw-Clamps, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in saw-clamps, and especially of my folding saw-clamp set forth in my application, Serial No. 596,358, filed June 20, 1896.

My improvements have reference to a spring locking engagement for the jaw and leg, to a pivot-fulcrum for each moving leg, to a spreading-piece at the meeting-point of the legs, and to points of detail hereinafter described and claimed.

In the accompanying drawings, on which like reference-letters indicate corresponding parts, Figure 1 represents a perspective view of my improved clamp; Fig. 2, a detail of a socket-leg; Fig. 3, a detail of the matching end of a jaw, and Fig. 4 a perspective view of associated parts in detail.

The letter A designates each of the clamping-jaws pivoted at B at one end to the front and rear legs C C', respectively. The legs at the opposite end have each a socket D, preferably provided with a hole or recess *d*, to be engaged by the matching pin or shoulder *a* on the jaw A. The jaw is swung down into the socket and then slid horizontally, whereupon a spring-dowel or other catch E on the side of the leg enters the hole or recess *e* in the side of the jaw and locks the engagement. The end of the spring E' projects a little so the thumb can push back the dowel-point. If desired, the pin *a* may be dispensed with and the spring-catch alone relied on to retain the engagement. Any other engagement may be employed.

The meeting ends of the front legs and likewise of the rear legs are hinged or pivoted together, as shown in Fig. 4, and each pair is provided with a stub-nut F, preferably integral with one of the legs, having a pivot-pin for the eye of the matching leg. The tapped threads are right and left hand, respectively,

and a screw-piece or lever thumb-screw G, having a right and left threaded pin *g*, engages the stub-nuts and narrows or widens the space between them, according to the direction of rotation. A single screw-thread forming oppositely-inclined faces or other engagement to effect the spreading action may be employed.

The front legs are each pivoted to or otherwise fulcrumed on a stud H about midway, preferably, integral with the leg. A slight turn of the turn-screw will thus loosen or clamp the jaws on the interposed saw-blade, as desired.

The ends of each jaw have a downward flange I, that is held by a lip *b* on the upper end of each leg. This flange-and-lip engagement preserves the faces of the jaws in opposing vertical position.

The clamp, as shown in Fig. 1, is ready to be screwed to the side of a bench or other support by the lugs J. In folding up the legs come together and the jaws swing around parallel to the legs, as indicated by the arrows.

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

1. In a folding saw-clamp the combination with a rear pair of legs having their lower ends pivoted together, a front pair of legs with their lower ends pivoted together, and the two pairs pivoted together between their ends, a spreading device rotatably mounted between the lower ends of said pairs of legs, and a pair of clamping-jaws, each jaw pivoted to the upper end of one leg in each pair, and adapted to engage with the other leg of the same pair, substantially as described.

2. A folding saw-clamp, comprising a pair of clamping-jaws, one end of each jaw having a flange and shoulder, a front and a rear pair of legs each pair having their lower ends pivoted together, and the pairs pivoted together between their ends, and one upper end of each pair pivoted to said jaws, the other end of each pair of legs having a socket and catch to receive said flange and shoulder of the jaw, and a spreading device mounted between the lower ends of said legs.

3. In a folding saw-clamp, the combination
with front and rear pairs of hinged legs, the
two pairs being secured together pivotally,
and clamping-jaws pivoted at one end to one
5 of each pair of legs, of an interposed turn-
screw reversely tapped into the hinged end
of each pair, substantially as described.

4. A folding saw-clamp, comprising jaws
A, hinged legs C C' having studs H, and
10 tapped stubs F, the jaws being pivoted at
one end to one of each pair of legs, turn-

screw G located between the hinged ends of
the legs, and catch E' locking the socket con-
nection of jaws and legs, substantially as
shown and described.

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

ALFRED W. KRIEGER.

Witnesses:

ALFRED A. MATHEY,
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