

(Model.)

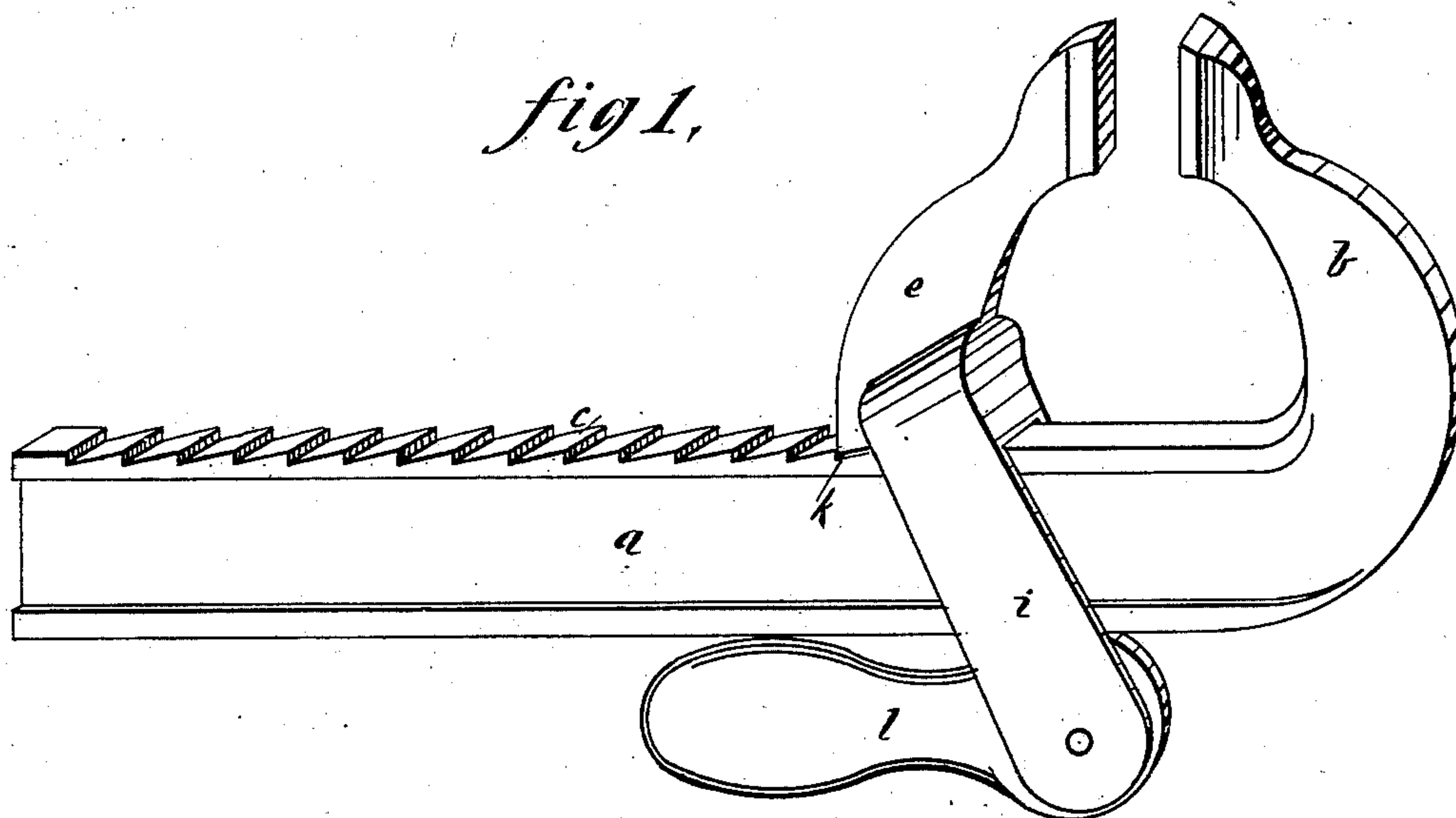
L. D. WRIGHT.

CLAMP.

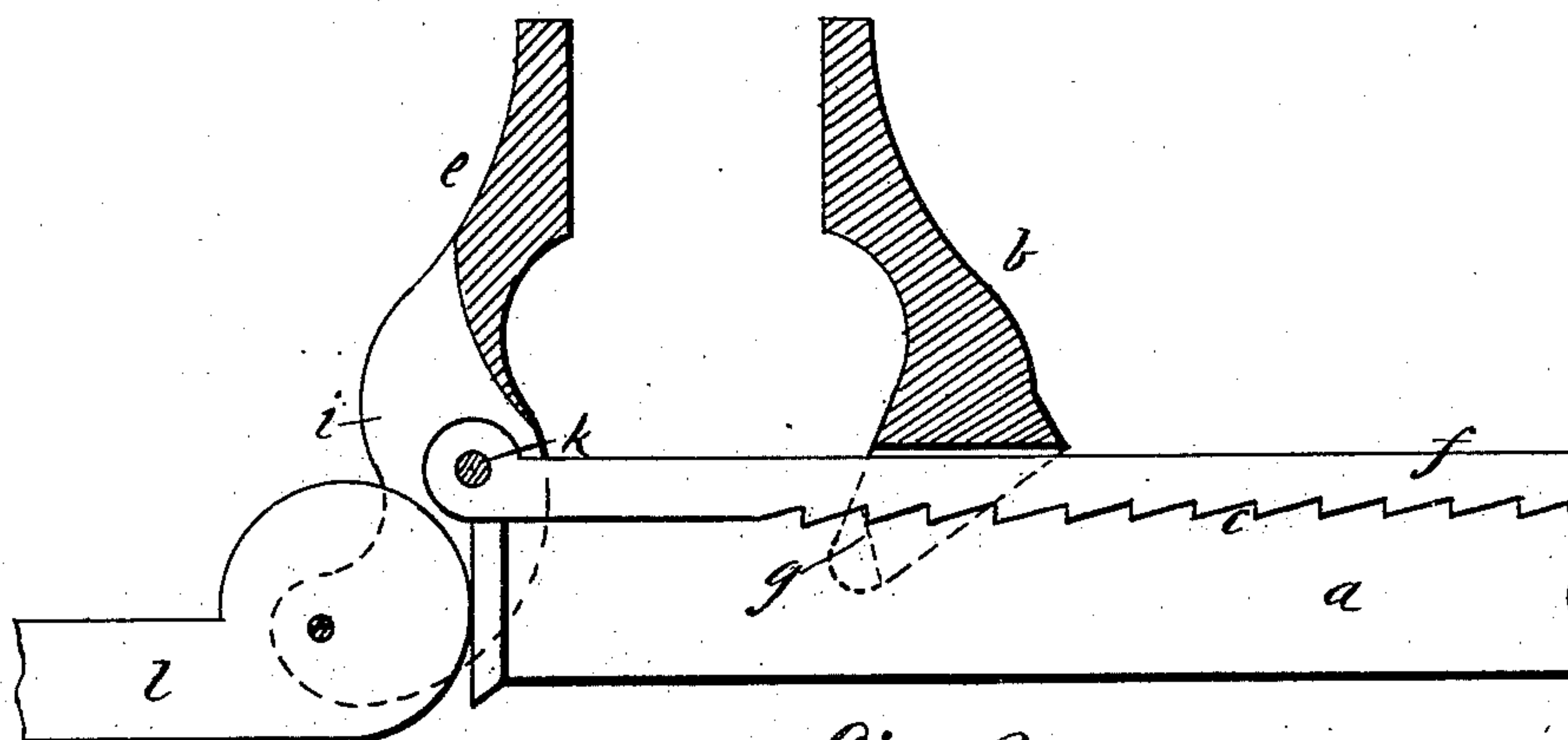
No. 273,215.

Patented Feb. 27, 1883.

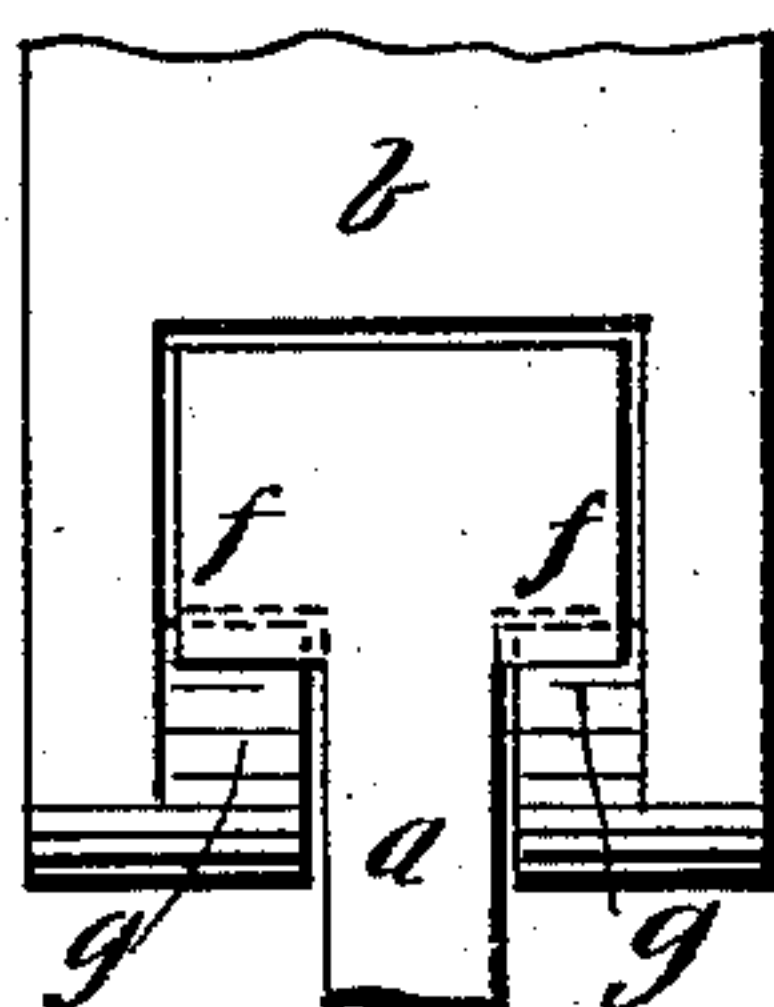
*fig 1,*



*fig 2,*



*fig 3,*



WITNESSES:

*Chas. T. Howell,*  
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INVENTOR:

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# UNITED STATES PATENT OFFICE.

LUTHER D. WRIGHT, OF CARPENTERSVILLE, ILLINOIS.

## CLAMP.

SPECIFICATION forming part of Letters Patent No. 273,215, dated February 27, 1883.  
Application filed September 16, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, LUTHER D. WRIGHT, of Carpentersville, Kane county, Illinois, have invented a new and Improved Clamp, of which the following is a full, clear, and exact description.

My improvement in clamps consists of one of the jaws having pivotal connection with the bar, together with a lever extension on the opposite side of the bar, in which is an eccentric-lever which swings and binds the jaw fast on the work, said jaw either pivoting on the ratchet-notches of the bar or a pivot connecting it to said bar. In the former case the clamping-jaw is also the movable one; but in the latter case the other one is movable, all as hereinafter fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my contrivance, in which the lever-jaw is also the movable one. Fig. 2 is a sectional elevation of the jaws and side view of the bar of the clamp, in which the lever-jaw is pivoted to the bar and the other jaw is the movable one; and Fig. 3 is an end elevation of Fig. 2 as seen looking toward the left hand.

The bar *a* of the clamp will have a fixed jaw, *b*, and ratchet-notches *c* along the upper surface, the lever-jaw *e* being adjustable along it and pivoting in its notches; or it will have the lever-jaw *e* pivoted to it at one end, with ratchet-notches *c* in the under side of flanges *f*, with the jaw *b* made to slide along it and fastening by the catches *g*. In either case the lever-jaw *e* has arms *i* extending beyond the pivotal point *k*, and having an eccentric-lever, *l*, pivoted to them in such manner that by swinging said

lever so as to bind against the bar *a* it will press jaw *e* toward jaw *b* and cause it to powerfully clamp any object between them, the movable jaw being properly set with respect to the other one and the dimensions of the object to be clamped. It is to be noted that the pivotal point *k* bears about the same relation to the top of the bar *a* and the base of the jaw *b* in both arrangements.

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

1. In a clamp, the rack or toothed bar, a jaw fulcrumed upon said bar to oscillate thereon, and having downward-extended arms, and an eccentric or cam lever hung between said arms of the jaw and adapted to bear against the rack or toothed bar, in combination with an opposing jaw, one of said jaws being adapted to slide upon and engage with the teeth of the rack-bar, substantially as and for the purpose set forth.

2. In a clamp, the combination of a rack or toothed bar, a movable jaw, and a fixed jaw, one of said jaws having parallel arms embracing said bar, and an eccentric-lever hung between the arms of said jaw and bearing directly against the rack-bar, as shown and described, and for the purpose set forth.

3. In a clamp, the combination, with the toothed or notched bar *a*, having the jaw *b*, of the pivotal jaw *e*, having the pivotal point *k*, adapted to engage with the teeth or rack *c* of the bar *a*, said jaw *e* also having arms *i*, between which is hung the eccentric-lever *l*, bearing directly against the bar *a*, substantially as and for the purpose set forth.

LUTHER D. WRIGHT.

Witnesses:

C. E. GRIFFITH,  
A. L. PETERSON.