

A. J. CLEMMONS.

Improvement in Chain Machines.

No. 121,849.

Patented Dec. 12, 1871.

Fig. 1.

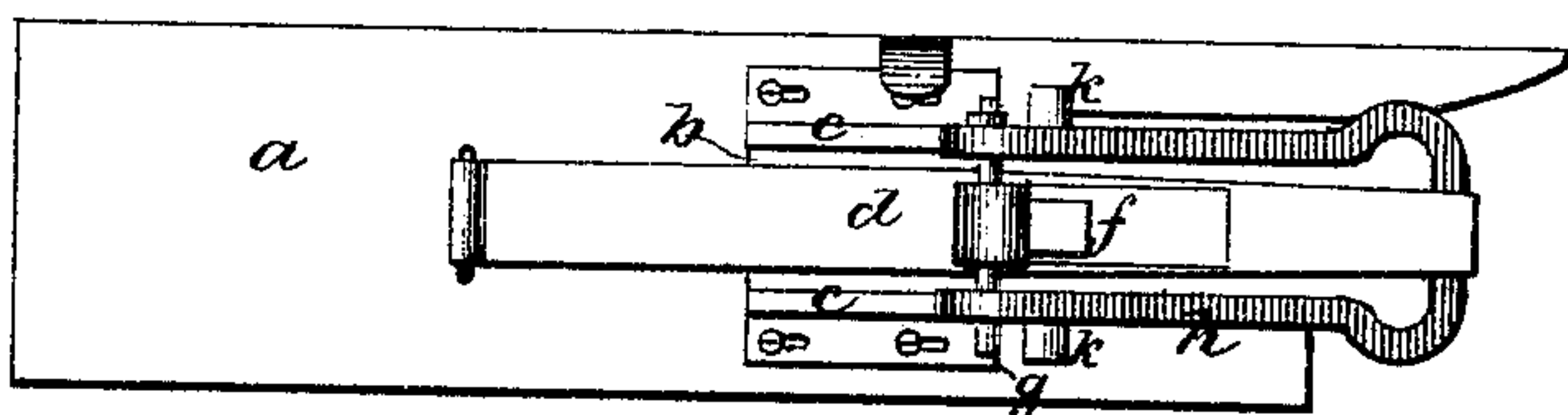


Fig. 2.

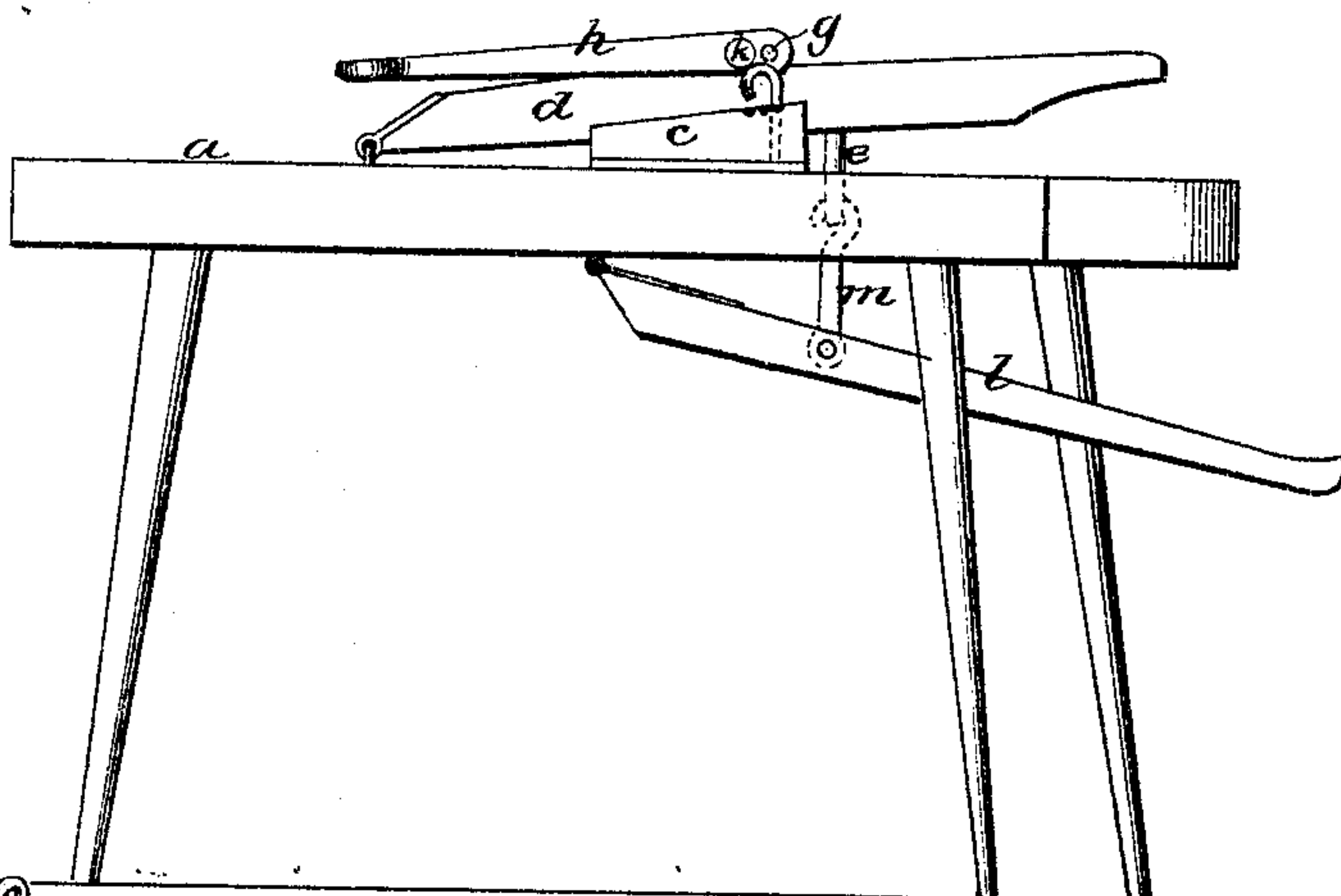


Fig. 3.

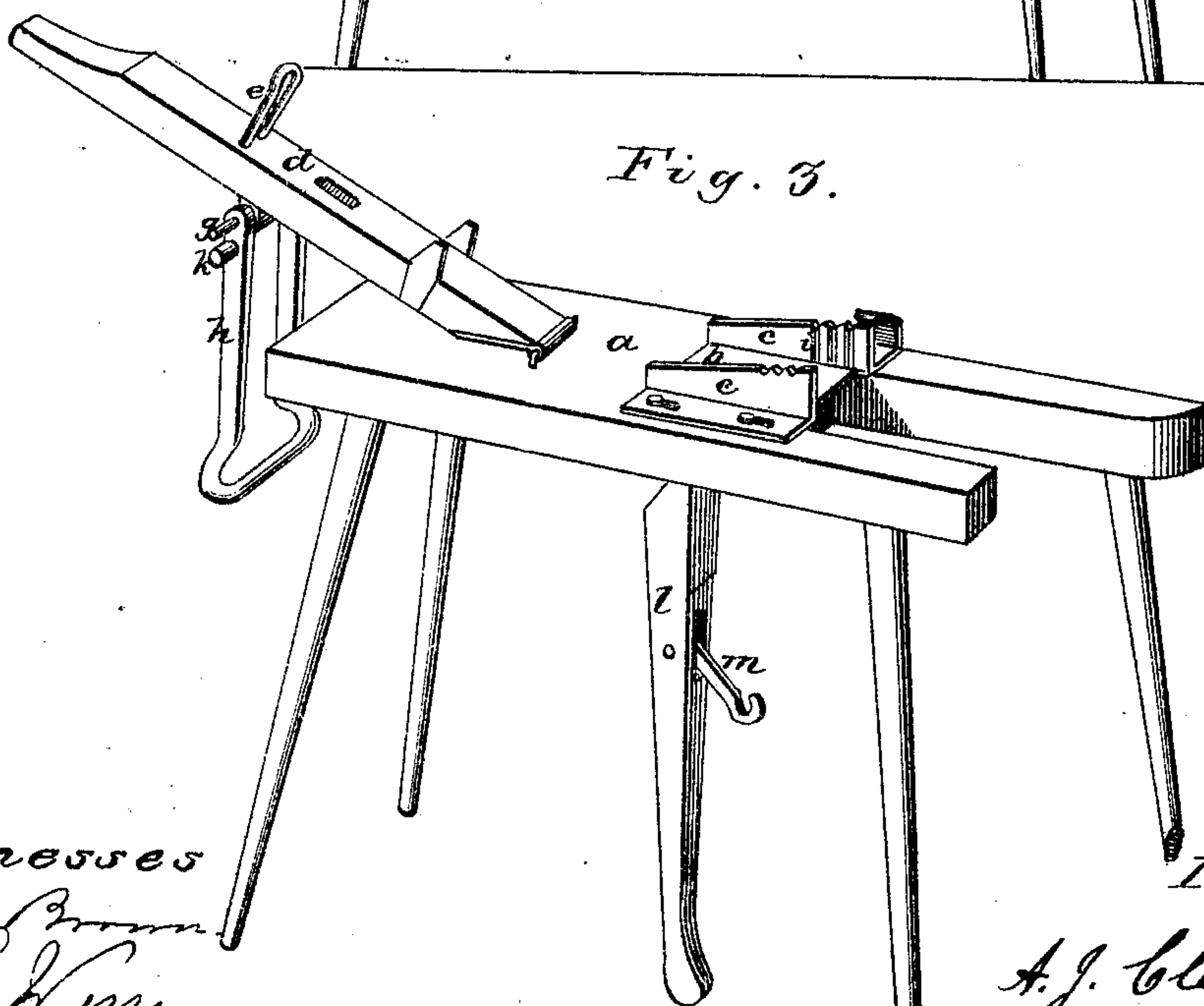


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ALVEUS J. CLEMMONS, OF ABERDEEN, MISSISSIPPI.

IMPROVEMENT IN CHAIN-MACHINES.

Specification forming part of Letters Patent No. 121,849, dated December 12, 1871.

To all whom it may concern:

Be it known that I, ALVEUS J. CLEMMONS, of Aberdeen, Monroe county, Mississippi, have invented an Improved Chain-Machine, of which the following is a specification:

Figure 1 is a top view; Fig. 2, a side elevation, illustrating the process of bending the eyes of the links; Fig. 3, a perspective view, showing the parts disconnected; and Fig. 4 is a perspective view of the link.

This invention relates to a machine for forming links of staple-shape or open at one end, and having eyes at the extremities of the piece of metal forming each link, such links being more especially designed for well-chains.

Referring to the drawing, *a* is a bench, to whose top is secured a metal plate, *b*, from which spring parallel lugs *c*, running lengthwise of the bench and placed far enough apart to receive between them a lever, *d*, pivoted at one end to the bench. To the under side of the lever *d* is fastened a hook, *e*, and to its upper side a leaf, *f*, through whose eye is passed, crosswise of the bench *a*, a pin, *g*, that serves as the pivot for a clevis, *h*, whose legs extend one to each side of the lever *d*, and have pins *k* projecting from their outer

sides near their ends, said pins being, when the clevis is turned backward a little in rear of the grooves *i* in the insides of the lugs *c*, formed to receive the pieces of iron which make the links. To the under side of the bench *a* is hinged a lever, *l*, having a hook, *m*, which connects with the hook *e*. To lay the blanks across the tops of the lugs *c* the parts have to be disconnected, as shown in Fig. 3. The upper lever is then turned down upon the blanks and the clevis *h* turned back, as shown in Fig. 1. Connecting the hooks *e* and *m*, the force of both levers is available for bending the blanks into links between the lugs *c*, the links during the process entering the grooves *i*. When fully bent the ends of the links extend above the lugs *c*. By turning forward the clevis *h*, as shown in Fig. 2, the pins *k* are made to form the eyes *n* at the extremities of the links.

I claim as my invention—

The combination of the bench *a*, lever *d*, lugs *c*, and clevis *h* having the pins *k*, all arranged as specified.

A. J. CLEMMONS.

Witnesses:

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