

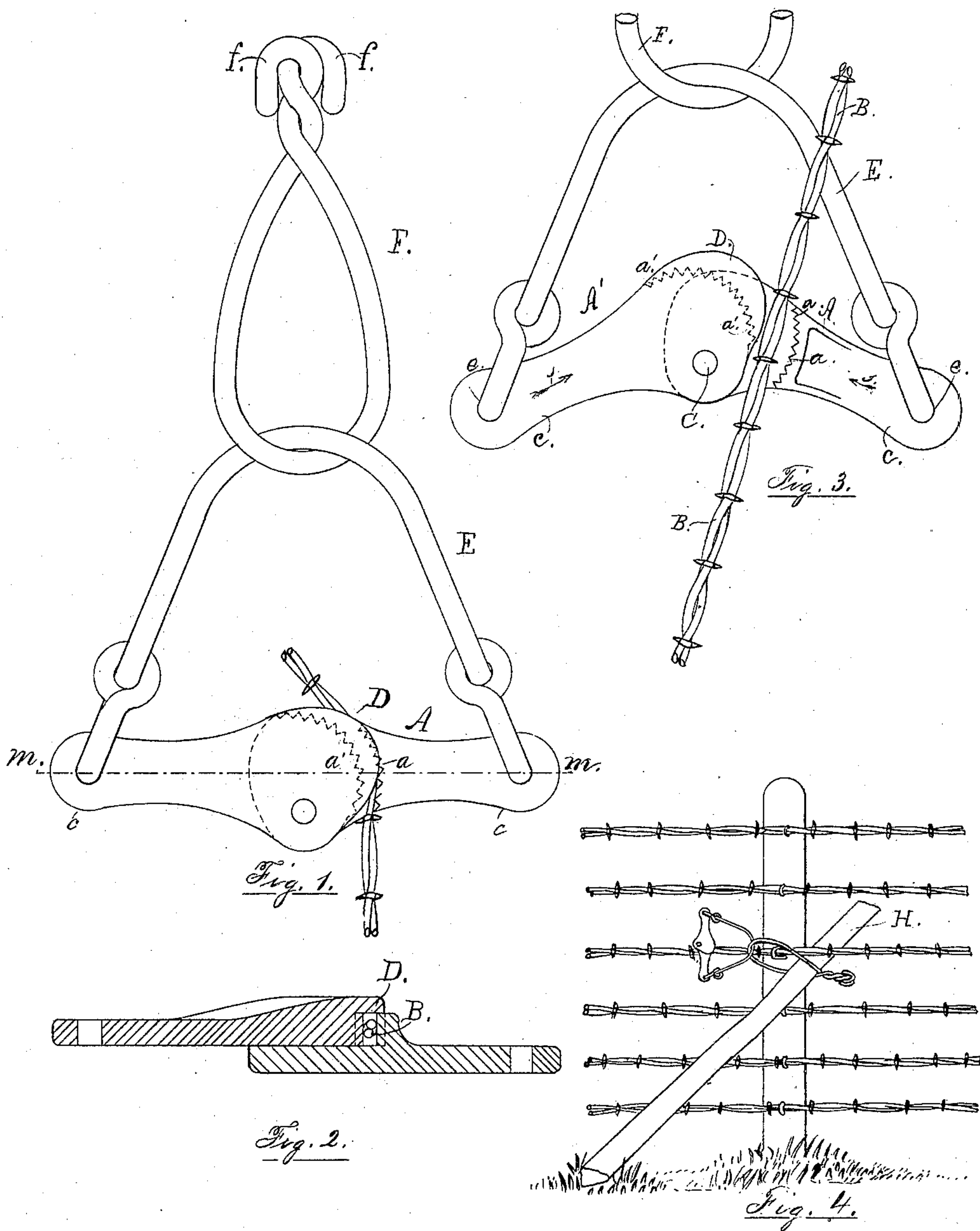
(No Model.)

D. H. BAUSMAN.

WIRE STRETCHER.

No. 358,831.

Patented Mar. 8, 1887.



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# UNITED STATES PATENT OFFICE.

DAVID H. BAUSMAN, OF LANCASTER, PENNSYLVANIA.

## WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 358,831, dated March 8, 1887.

Application filed July 17, 1886. Serial No. 208,233. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID H. BAUSMAN, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Wire-Stretchers; and I do hereby 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.

This invention relates to wire stretchers; and it consists of a wire-clamping device with a loop-spring and link, substantially as hereinafter described and claimed.

I am aware that clamping devices for wire stretchers somewhat similar to that herein shown have been made before; also, that a spring-bail has been in use before in ice-hooks. Therefore I do not claim the same, broadly, but only the certain specific combination of the several parts fully hereinafter described.

In the accompanying drawings, similar letters refer to similar parts throughout the several views.

Figure 1 represents a full front view of the machine with the jaws closed on the wire. Fig. 2 is a longitudinal sectional view through the line *m m* of Fig. 1; Fig. 3, a full front view showing the jaws open, with the wire in position between them; Fig. 4, a similar view showing the application of the machine when stretching the wire on the fence.

In Fig. 3 the jaws *A A'* are shown open with the wire *B* in position between them. The jaws have eccentric concave and convex ridged faces *a a'*, and are held in position on each other by the rivet *C*, the concave and convex eccentric faces *a a'* being adapted to grip and hold the wire *B* when closed on the same, as shown in Fig. 1. On the upper side of the jaw *A'* is a lug, *D*, projecting over the convex face *a*, which prevents the wire *B* from twisting out laterally when the aforesaid jaws are closed on the same. Said jaws *A A'* have outwardly-projecting arms *e e*, through which are the openings *e e*, adapted to receive and fit loosely the ends of the loop-spring *E*, which are passed through them and bent up and

around the body of said spring, as shown, forming a joint capable of standing considerable tensile strain.

The object of the loop spring *E* is, in the first place, to hold the jaws *A A'* open when the holes *e e* in their outwardly-projecting ends are below the rivet *C*, as in Fig. 3, said spring having a contracting tendency, as indicated by the arrow *s s* in Fig. 3; secondly, to hold jaws *A A'* closed on the wire *B* when the aforesaid holes *e e* in their outwardly-projecting faces are above rivet *C*, as shown in Fig. 1; and, thirdly, to serve as a handle and a simple means of attaching the wire link *F*, the extreme ends, *ff*, of this link being twisted and bent down so as to withstand considerable tensile strain.

The entire operation of my construction of wire-stretcher is fully shown in Fig. 4. The jaws *A A'* having hold on the wire, the end of the lever *H*, which is a stout pole or piece of fence-rail, is passed through the link *F*, said end engaging with one of the fence-posts, which serves as a fulcrum for the same, enabling the operator to apply any amount of strain on the wire gripped by the jaws *A A'*.

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

The jaws *A A'*, held together by the rivet *C*, having the concave and convex eccentric faces *a a'*, adapted to grip and hold the wire *B*, as set forth, in combination with the loop-spring *E*, attached to the outwardly-projecting ends *e e* of the said jaws *A A'*, and adapted to hold them open or closed by its contracting tendency, as set forth, and the wire link *F*, engaging with the aforesaid loop-spring *E* and adapted to receive the lever *H*, when constructed and operated substantially as set forth, and for the purpose described.

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

DAVID H. BAUSMAN.

Witnesses:

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