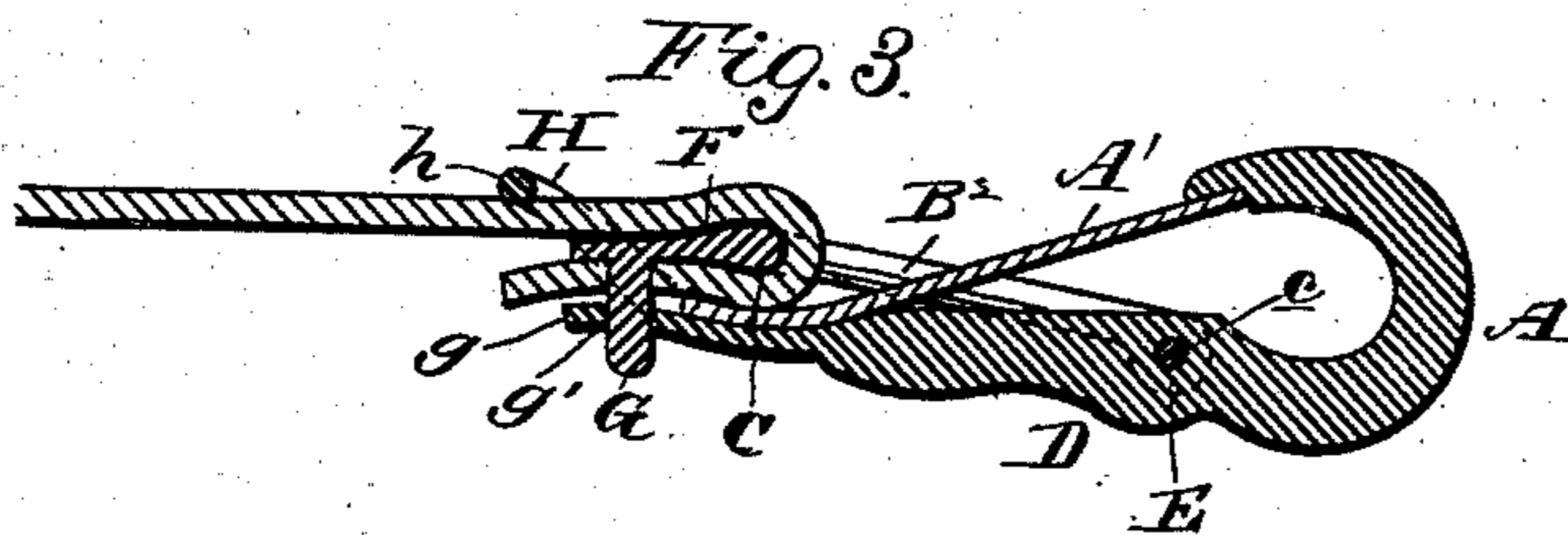
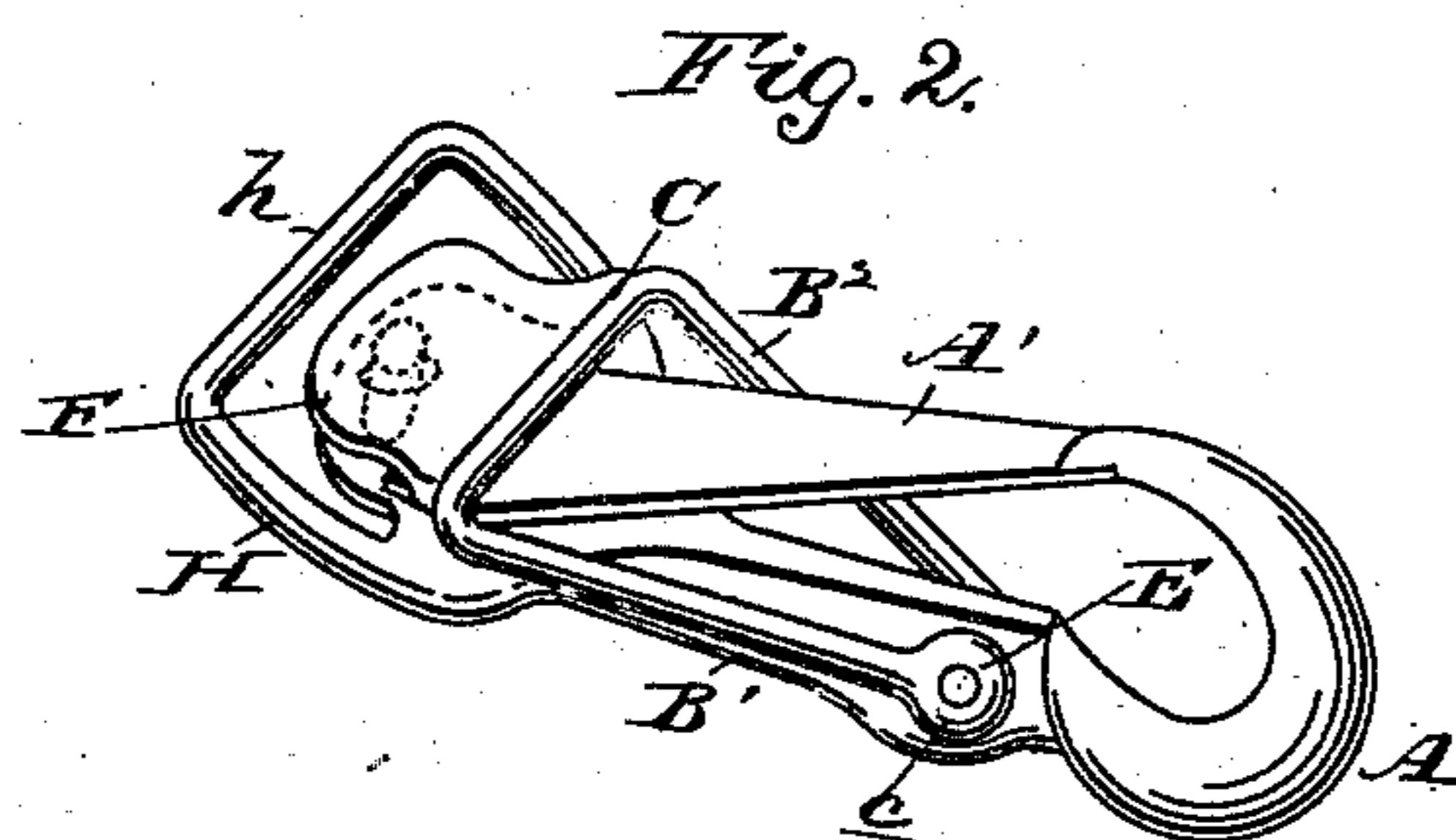
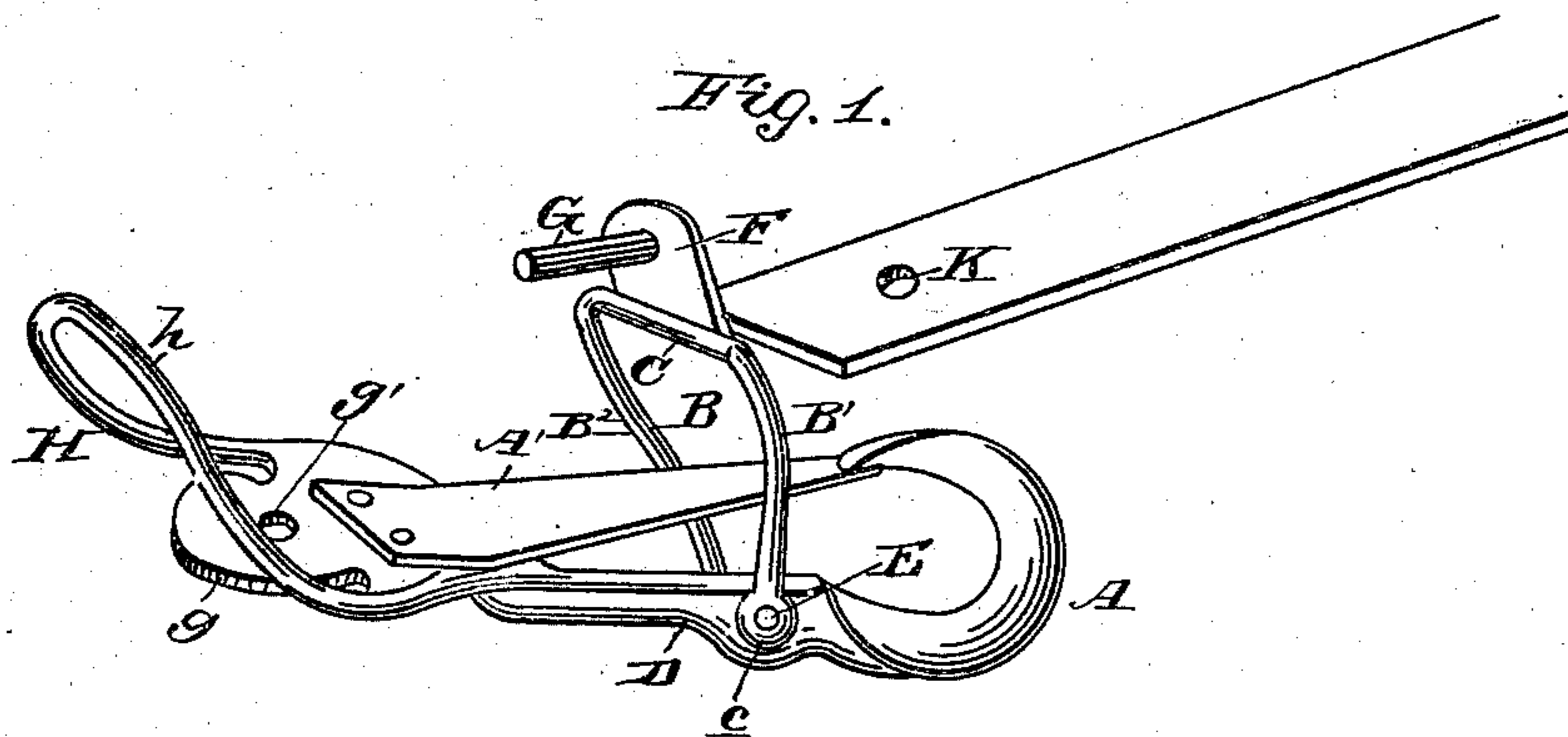


(No Model.)

J. A. PARK.
HARNESS SNAP.

No. 270,105.

Patented Jan. 2, 1883.



Witnesses:

J. W. Garner.
J. B. Harris.

Inventor:

James A. Park
By A. O. M. Cleary
His Attorney.

UNITED STATES PATENT OFFICE.

JAMES A. PARK, OF LANSING, MICHIGAN, ASSIGNOR OF ONE-HALF TO
PUELLA E. PARK, OF SAME PLACE.

HARNESS-SNAP.

SPECIFICATION forming part of Letters Patent No. 270,105, dated January 2, 1883.

Application filed May 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. PARK, of Lansing, in the county of Ingham and State of Michigan, have invented certain new and useful Improvements in Harness-Snaps; 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 pertains to make and use the same.

My invention relates to a combined harness snap and buckle, the object being to provide a device of this character whereby a strap may be buckled to the snap so as to be securely held without any sewing or riveting, and without the use any loops or buckles other than those forming parts of my improvement.

My invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of my combined snap and buckle, showing the buckle opened and ready to receive the strap. Fig. 2 is a similar view, showing the position of the buckle when closed. Fig. 3 is a longitudinal sectional view of the device as it appears when the strap is secured thereto.

A represents the hook portion of the snap, which may be constructed of any of the usual forms. The spring A' is secured to the snap, and operates in the ordinary manner. The loop H, at the rear end of the snap, differs from the loop of an ordinary snap, in that it is turned upwardly to serve as a tuck loop or guide to hold the strap in position between the loop-bar *h* and the seat *g*.

B represents a triangular bail or loop, consisting of the arms B' B² and cross-bar C. The ends *c* of said arms embrace the stem D of the snap, and are perforated to receive a pivotal pin, E, passing through the stem and through said perforations of the arms. The loop B is thus hinged to the snap adjacent to the hook, and the spring A' extends between the arms B' B², as shown.

The loop B is provided with a lip, F, projecting from the outer side of the bar C, and provided with a downwardly-projecting pin,

G, adapted to enter a hole, *g'*, in the seat *g* of the snap.

The manner of using and operating the devices as thus described is as follows: I raise the triangular loop B to about the position shown in Fig. 1 and pass the strap through under the bar C, so as to bring the hole K of the strap over the hole *g'* in the seat *g*. I then depress the loop, passing the pin G through the hole K of the strap and the hole *g'* of the seat. The opposite end of the strap is then turned over the lip F and under the bar *h* and drawn up tightly around the bar C, as shown in Fig. 3.

Ordinarily I make the lip F just long enough to admit of its passing the bar *h* when turned down, so that when a strap is between said lip and the bar *h* the pin G cannot rise to release the strap; but if the strap is to be first passed under the end bar, *h*, thence over the lip F, and under the bar C, until the hole K is over the hole *g'*, the lip must be shorter by the thickness of the strap; otherwise it could not be shut down on account of contact with the strap.

It will be observed that when a strap is secured as illustrated in Fig. 3 the tendency will be, when draft is applied to the strap, to pull the bar C and under surface of the lip F downward on the short end of the strap, so that a portion of the strain is taken off the pin G.

Any suitable metal may be used in the manufacture of my improvement.

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

1. In a combined harness-snap and buckle, the combination, with the snap provided with an end tuck-loop, of a triangular clamping bail or loop hinged to the snap and provided with means for engaging a strap, substantially as set forth.

2. In a combined harness-snap and buckle, the combination, with the snap provided with an upturned end tuck-loop, of a triangular clamping bail or loop provided with a project-

ing lip, and a pin for engaging a strap, substantially as set forth.

3. In a combined harness-snap and buckle, the combination, with the snap provided with a perforated seat for a strap and an upturned end loop, of a triangular loop or bail hinged to the snap and provided with a projecting lip, and a pin adapted to enter the perforation of said seat, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES A. PARK.

Witnesses:

P. E. PARK,
DEAN PARK.