

H. Beagle, Jr., Safety Hook.

N^o 31946.

Patented Apr. 9, 1861.

Fig. 1

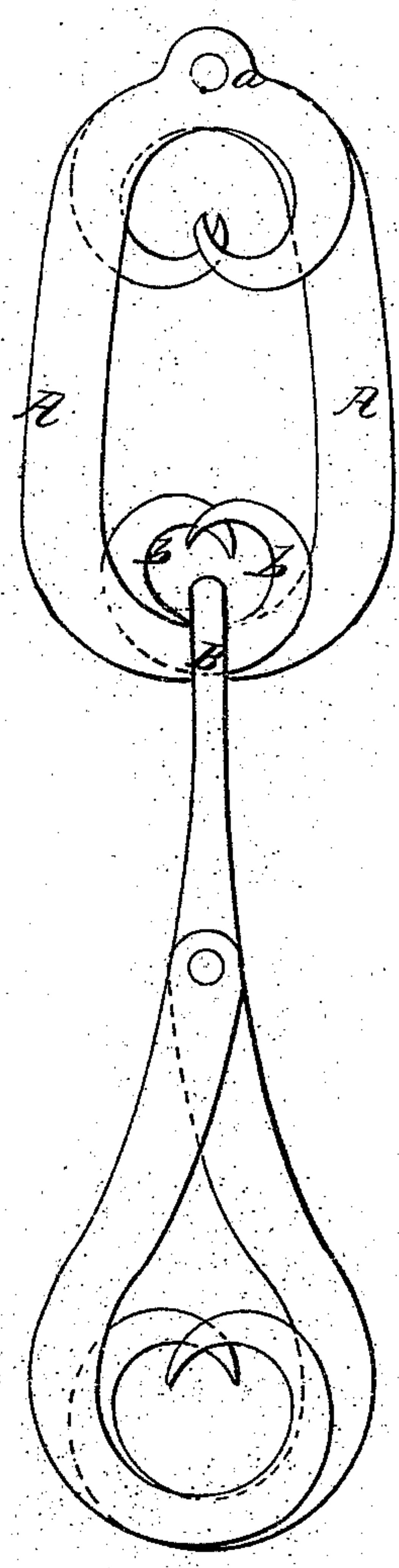
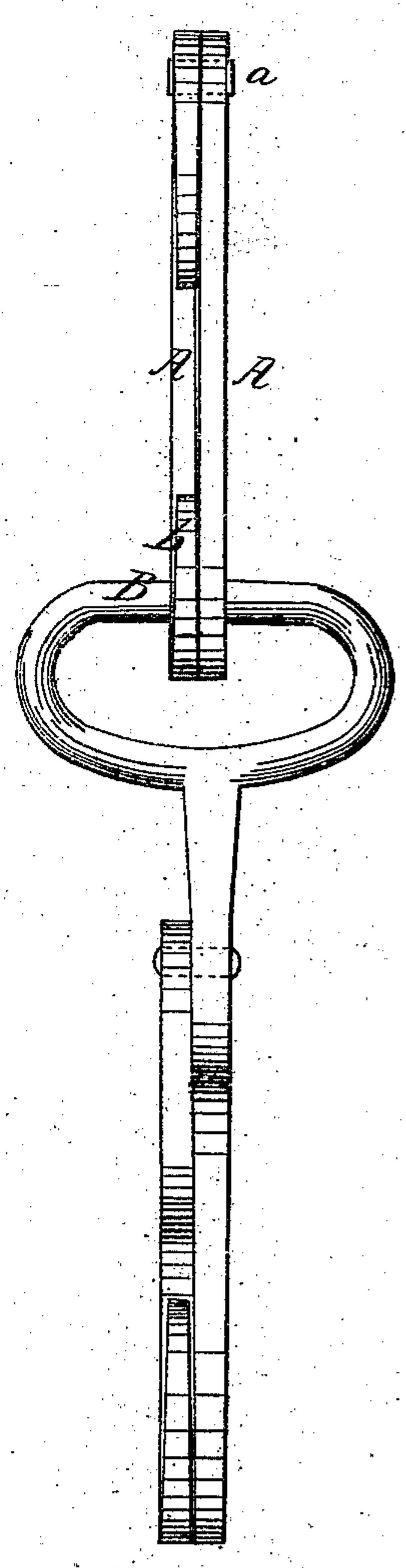


Fig. 2.



Witnesses:
J. W. Coombs
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UNITED STATES PATENT OFFICE.

HENRY BEAGLE, JR., OF PHILADELPHIA, PENNSYLVANIA.

SAFETY HOOK FOR HARNESS.

Specification of Letters Patent No. 31,946, dated April 9, 1861.

To all whom it may concern:

Be it known that I, HENRY BEAGLE, Jr., of the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and improved hook designed to be applied to harness and other articles where small snaps and hooks are required for ready attachment and detachment of the parts; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention.
Fig. 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain a hook that cannot be casually detached or unfastened, and thereby serve as a safe fastening or snap for harnesses and other articles which require a simple but secure means for attaching or fastening their parts together.

The invention consists in having the hook formed of two parts connected by a pivot and provided with curved ends, which, when the hook is closed, overlap each other and receive a ring or band which serves as a fastening to prevent the casual separation of the two parts of the hook.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A A represent two arms or bars which are connected at one end by a pivot *a*, the arms or bars being allowed to work or slide one over the other. The ends of the arms or bars are curved inward or toward each other forming scrolls or portions of circles *b*, which, when the arms or bars A, A, are closed, overlap each other as shown clearly in Fig. 1. These parts form the hook, and when used with a ring hereinafter described, constitute my invention.

Within the curved ends *b*, of the arms or bars A, A, a ring B, is fitted. This ring is placed on one of the arms or bars before the same are closed and it may form the terminal of another hook or the end of one of the parts which the hook connects.

The ring B, it will be seen prevents the arms or bars A, A, from casually opening or spreading, as it will be seen by referring to Fig. 1, that the ring must first be removed from within the curved ends *b*, before the arms or bars can be separated. The arms or bars A, A, and ring are of course constructed of metal and they may be of any suitable size as the nature of the case may require.

I do not confine myself to any particular form of arms or bars A, A; they may be as shown in the lettered parts of Fig. 1, or as shown in the unlettered parts which form the hook attached to ring B. Various forms may be used as desired.

This invention it will be seen does not require that the hooks be subjected to a draft strain or "pull" in order to insure a connection. The parts which the invention connects may be perfectly slack or loose without any danger of the arms or bars A, A, opening—the ring B, prevents such a contingency.

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

The arms or bars A, A, connected together by a pivot *a*, and provided with curved ends *b*, in connection with a ring B, arranged to fit within the curved ends *b*, and form a lock for the arms or bars, substantially as and for the purpose set forth.

HENRY BEAGLE, JR.

Witnesses:

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