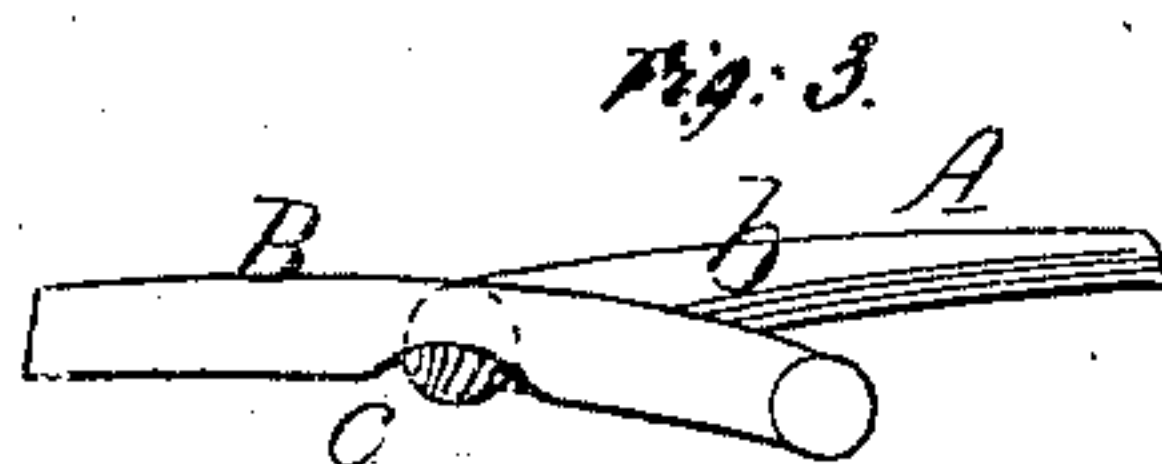
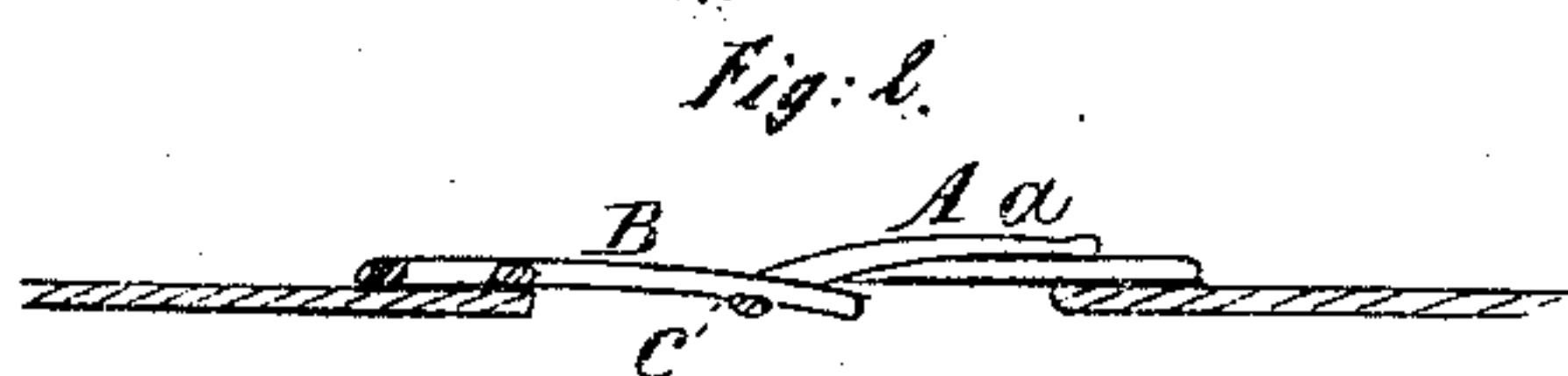
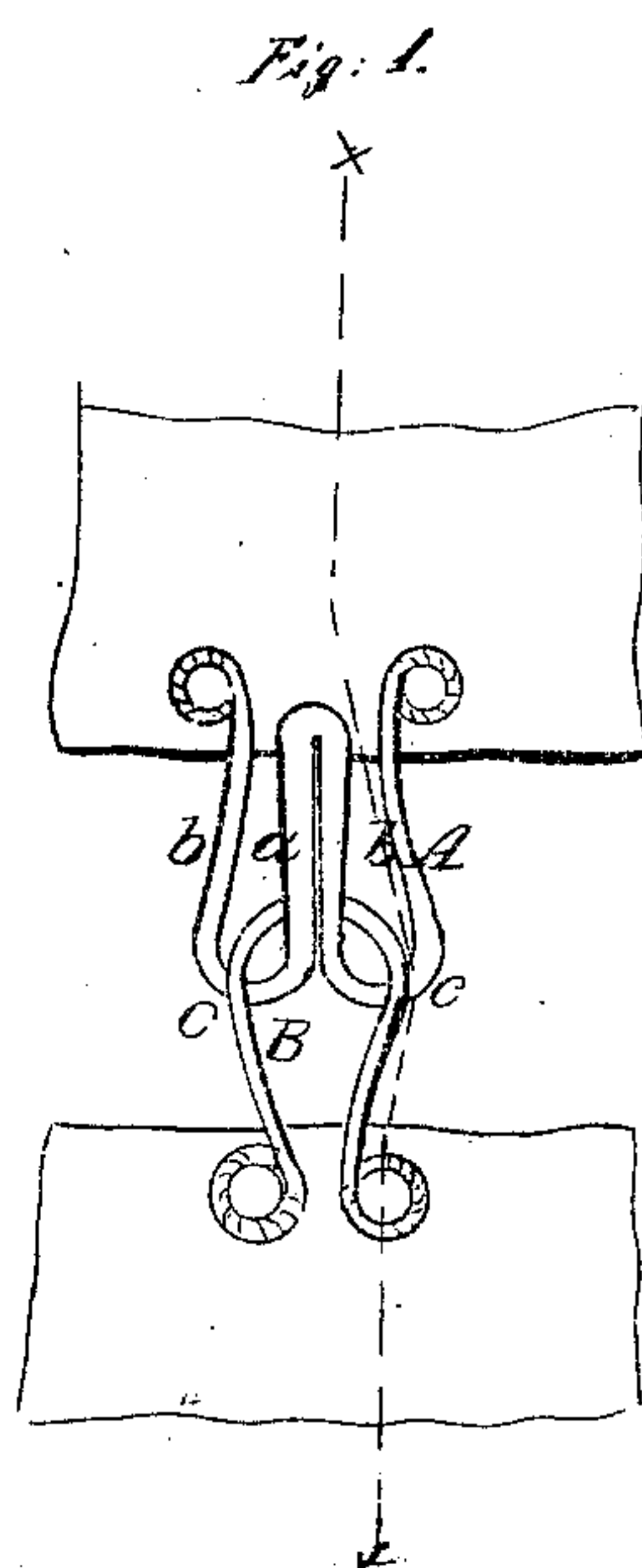


H. Nichols.
Hook & Eye.

No. 44,815.

Patented Oct 25. 1864



Witnesses.
Henry Harris
C. L. Topple

Inventor.
H. Nichols
per [Signature]
Attorneys

UNITED STATES PATENT OFFICE.

H. NICKOLDS, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN HOOKS AND EYES.

Specification forming part of Letters Patent No. 44,815, dated October 25, 1864.

To all whom it may concern:

Be it known that I, H. NICKOLDS, of Providence, in the county of Providence and State of Rhode Island, have invented a new and Improved Dress-Fastener; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a plan of a dress fastener, or hook and eye, made according to my invention. Fig. 2 is a longitudinal vertical section of the same, taken in the plane indicated by the line *x x*, Fig. 1. Fig. 3 is a sectional side elevation of the same in a larger scale than the previous figures.

Similar letters of reference indicate like parts.

The object of this invention is to produce a hook and eye which will not open spontaneously or without the aid of the fingers, and which, when together, are compact and solid, so that when subjected to pressure they do not become injured. The hook is flat and not liable to be bent when exposed to pressure. It is stronger than the ordinary hook, and the cost of its manufacture is rather less.

By referring to the drawings it will be seen the hook A is made in the form of the letter M. Its tongue *a* is nearly of equal length to the shank *b*, and it is bent so that it is situated nearly in the same plane with said shanks. The point of the tongue is rounded and de-

scends somewhat below the level of the shanks and in forcing the eye B in the hook said point has to be raised slightly to admit the eye.

The eye B is made in the ordinary shape, but it is provided with two indentations, *c*, as more clearly shown in Fig. 3, which are intended to receive and retain the body of the hook when the two are put together. A similar indentation in the tongue *a* of the hook retains the body of the eye, and by these means my hook and eye when together are compact and form a solid, so that the same when subjected to pressure do not become injured. Furthermore, when properly sewed on to the garment and fastened, they will not become unfastened without the aid of the fingers. They are stronger than the hook and eye in common use, and from the flatness of the hook they are not so much exposed to injury, and consequently, being less liable to become bent, they are more durable.

The cost of manufacture of my hook and eye will be rather less than that of the common hook. They will be produced by proper machinery, and they will prove to be a very convenient article for the public.

I claim as new and desire to secure by Letters Patent—

A hook, A, made substantially as shown, as a new article of manufacture.

H. NICKOLDS.

Witnesses:

ISAIAH VALE,
JOHN R. SHIRLEY.