

(No Model.)

E. S. SMITH.
CLASP.

No. 522,722.

Patented July 10, 1894.

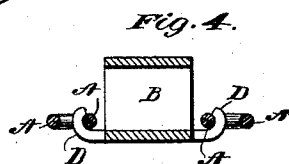
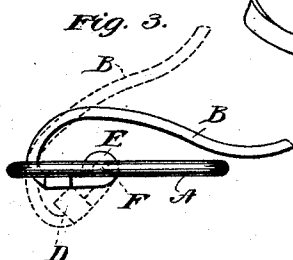
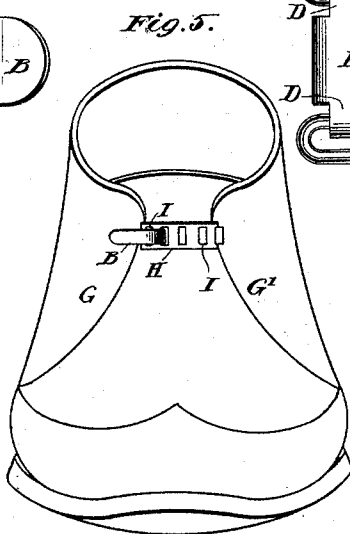
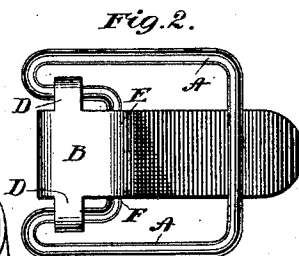
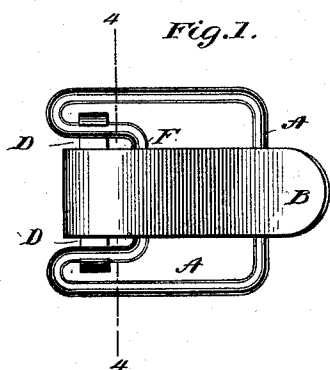
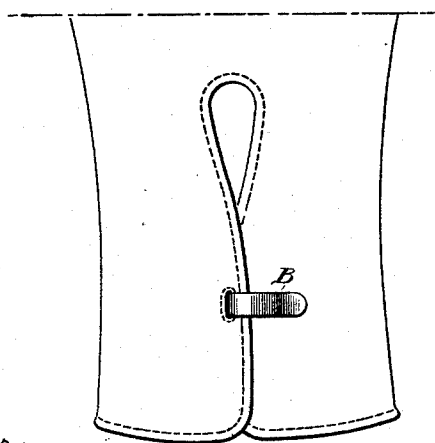


Fig. 6.



WITNESSES:

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CLASP.

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Application filed March 27, 1894. Serial No. 505,238. (No model.)

To all whom it may concern:

Be it known that I, EDWARD S. SMITH, of Waterbury, county of New Haven, State of Connecticut, have invented certain new and useful Improvements in Clasps, of which the following is a full, clear, and exact specification.

My invention relates to an improved clasp or snap hook to be used particularly in connection with articles of wearing apparel, such as for instance, "Arctic" over-shoes, gloves, and the like.

My invention consists in the mechanism hereinafter described.

The object of my invention is to construct a simple and inexpensive clasp to be used for the above indicated, or any other suitable purposes.

My invention is illustrated by the accompanying drawings, in which—

Figure 1 is a plan view of my invention. Fig. 2 is a view of the lower side of Fig. 1. Fig. 3 is a side elevation of Fig. 1. Fig. 4 is a cross-section taken on the section line Fig. 1. Fig. 5 illustrates the appearance of my improved clasp used in connection with an overshoe, and Fig. 6 illustrates the appearance of my improved clasp used in connection with a glove.

A is a skeleton frame adapted to be firmly sewed or otherwise secured to one portion of the garment preferably near its edge.

B is a clasp hinged in the manner hereinafter described to the frame A.

D D are lugs extending from the sides of the clasp B and adapted to snap, when in operation, partially around the sides of the frame A adjacent to the bill so as to prevent accidental disengagement.

The frame A is formed by bending a piece of metal, preferably round wire, into first substantially U-shape; then turning inward the upper edges of the wire so they will re-enter and lie substantially parallel to, yet preferably away from, the outer sides of the frame as shown. Both ends are then bent toward each other at substantially right angles, as indicated in Figs. 1 and 2, so as to form the retreated hinge pin F, upon which the clasp B hinges. The end of the wire form-

ing the hinge pin F may or may not meet as preferred.

The clasp B is formed preferably from sheet metal, the side elevation of which would give substantially the appearance of a hook, see Fig. 3. The extremity of the shorter end of the hook is wrapped around the hinge pin F of the frame as indicated in Fig. 3, to form a hinge knuckle E.

When in operation the frame A and the clasp B are in the positions shown in the several figures. When not in operation, the clasp is thrown up into the position indicated by the dotted line Fig. 3.

For the purpose of facilitating the description of the operation of this invention I will describe it as used in connection with an overshoe, Fig. 5. The frame A is attached to one of the flaps G. The opposite flap G' is provided with a link H provided with perforations I. By raising the bill end of the clasp into the position shown by the dotted line in Fig. 3, the bill of the clasp may be passed through one of the perforations I in the link, and then by snapping the bill end of the clasp B down, the link H will slide along the inner side of the bill into the crooked end, and the pull will then be directly transferred to the hinge pin F, and the clasp will remain closed, as shown in the several views. By preference, however, I provide at points on opposite sides of the clasp, near the knuckle E, lugs D D, the ends of which are turned upward to form hooks adapted to snap around the adjacent portion of the frame A when the hook is in operation, as indicated in Figs. 1, 2 and 4, thereby causing the opposite or loose end of the clasp, the bill, to lie closely against the shoe and more securely hold and prevent the said clasp from becoming accidentally disengaged from the link.

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

1. In a clasp, a skeleton frame provided with the re-entrant sides and the retreated hinge pin having hinged thereto the hooked clasp provided with hooked lugs adapted to snap partially around the re-entrant side when in operation, substantially as described.

2. In a clasp, the combination of a wire
frame provided with the re-entrant sides, said
sides being bent toward each other to form
a retreated hinge pin, with a hooked clasp
5 hinged thereto, the side of said clasp be-
ing provided with lugs hooked upward and
adapted to grasp the re-entrant sides when

said clasp is in operation, substantially as de-
scribed.

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Witnesses:

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