

C. M. SIMPSON.

CLASP.

APPLICATION FILED JUNE 13, 1910.

989,071.

Patented Apr. 11, 1911.

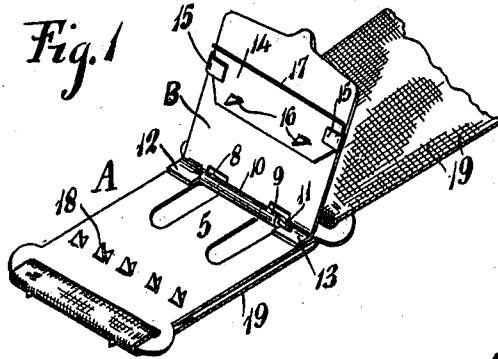


Fig. 2

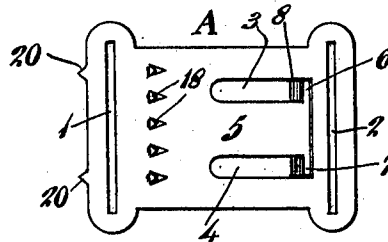


Fig. 3

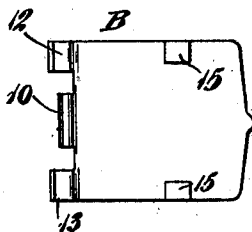


Fig. 5

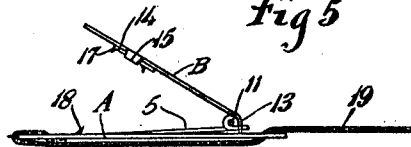
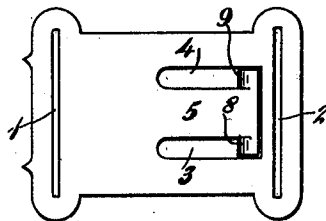


Fig. 4



Witnesses
Eadw. Luffin
J. Smith

Inventor
Cassius M. Simpson
 by *Alfred M. Allen*
 Attorney

UNITED STATES PATENT OFFICE.

CASSIUS M. SIMPSON, OF CINCINNATI, OHIO.

CLASP.

989,071.

Specification of Letters Patent.

Patented Apr. 11, 1911.

Application filed June 13, 1910. Serial No. 566,600.

To all whom it may concern:

Be it known that I, CASSIUS M. SIMPSON, a citizen of the United States, and a resident of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Clasps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to clasps for garment supporters, and it has for its object to furnish a simple and effective clasp which can be readily applied to the supporter and which will hold the garment firmly without tearing, while at the same time it shall be very easily and quickly opened up to release the garment with which it is engaged.

In the drawings, Figure 1 is a perspective view of my improved clasp attached to the web and opened up. Fig. 2 is a plan view of the base plate of the clasp taken from the inside. Fig. 3 is a plan view of the pivoted member. Fig. 4 is a plan view of the reverse side of the base plate. Fig. 5 is a side elevation of the clasp with the pivoted member partly closed.

The clasp comprises two members A, B, hinged together to form a clamp for holding the goods. One of these members A, which may be called the body member, is preferably formed from sheet metal of suitable size and shape, and slots 1 and 2 are cut at either end of this plate for securing the clasp to the supporter, or only one slot, as 2, may be provided and the opposite slot omitted. Longitudinal slots 3, 4, are also cut in the plate A to form the central tongue 5 with the transverse ends 6, 7, upon which are formed the knuckles 8, 9, preferably out of the surplus metal from the slots. The other member B of the hinge construction may be called the pivoted member, and this member is also preferably made of sheet metal to correspond in length and width with the body member A, and this plate is formed with the knuckle 10 to fit between the corresponding parts 8 and 9 of the body member

to form the hinge, a pintle 11 being used to connect the two parts together.

12, 13 are projecting arms on the member B, curved as shown, and when the two members of the clasp are hinged together by the pintle 11, these arms bear upon the body member A, and as the pivoted member is turned on the hinge, these projecting arms 12 and 13 act as levers to spread apart the two plates, raising up the tongue 5 and depressing the end portions of the body member, and this brings pressure to bear at the hinge to force the two members of the clasp together, or when, as illustrated in Fig. 1, the plate B is raised beyond the vertical, two members of the clasp will be held open.

To enable the clasp to grasp and firmly hold the material, I secure a plate 14 to the plate B, preferably by turning over metal tags or ears 15 on the plate B, and this plate 14 is provided with two teeth 16 which register with the slotted portions 3, 4, of the base plate. The plate 14 is also provided with the flange 17 to oppose the barbs or teeth 18 formed on the base plate, so that the material to be held may be forced between the teeth 18 and the flange 17.

19 is the web to which the clasp is secured. The outer edge of the main plate A is provided with teeth 20 and the end of the web is slipped through the slot 1 over these teeth 20 and back through the slot 2, and the clasp is ready for use. Instead of securing the clasp to the web as shown, of course the web can be merely passed through one of the slots 2 and secured by sewing in the usual way, in which event the slot 1 is omitted. No separate springs are required for the clasp and the two members of the clasp can be stamped out of sheet metal very rapidly and at very small expense.

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

A clasp, comprising a body plate, provided with means for securing the clasp to its support, said plate having an integral T-shaped tongue cut therein within the body

of the plate, and having hinge knuckles one at each end of the tee, and a pivot plate having a hinge knuckle inserted between the hinge knuckles of the T-shaped tongue, with
5 a pintle to couple the parts together, and projecting arms on the pivot plate outside the hinge knuckles of the tongue bearing upon the body plate to serve as levers to flex the plates to obtain spring pressure between the clasp members.

CASSIUS M. SIMPSON.

Attest:

FRANK H. KRINKEL,
K. SMITH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
