G. B. GURLEY.

CLASPS FOR SUSPENDERS.

No. 187,269. Patented Feb. 13, 1877.

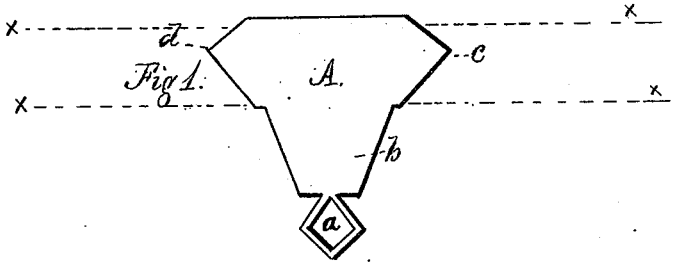

Fig 1.

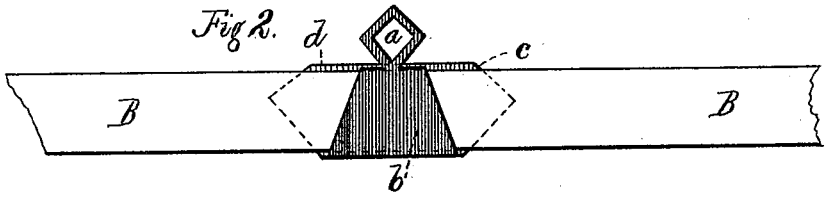

Fig 2.

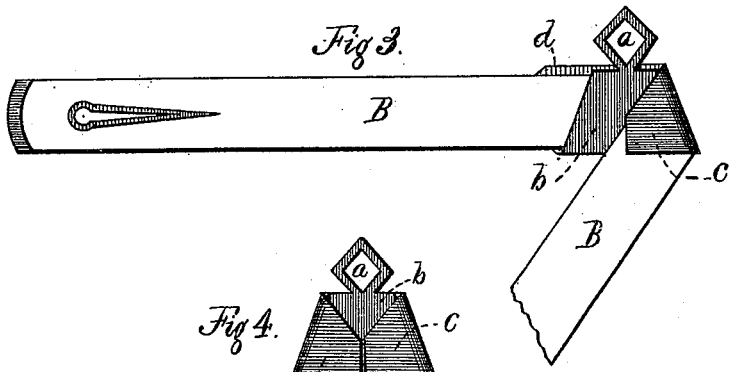

Fig 3.

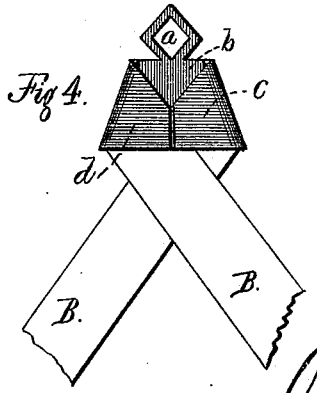

Fig 4.

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GEORGE B. GURLEY, OF NEW YORK, N. Y.

IMPROVEMENT IN CLASPS FOR SUSPENDERS.

Specification forming part of Letters Patent No. **187,269**, dated February 13, 1877; application filed November 29, 1876.

To all whom it may concern:

Be it known that I, GEORGE B. GURLEY, of the city, county, and State of New York, have invented certain new and useful Improvements in Clasps or Fastenings for Suspender-Ends, of which the following is a specification:

This invention relates to that class of suspender-fastenings in which the suspender-ends, of webbing, cloth, leather, or other fabric suited for the purpose, are secured in and held by a metallic clasp or shield, such clasp also being provided with a hook, eye, or other suitable device for attachment to the suspender or its usual buckles.

In the present instance the improvement consists in the peculiar formation of the clasp or shield from a single flat piece or blank of metal, so shaped and overlapped that when it is finally shaped it securely holds the webbing that forms the suspender-ends.

The formation of the clasp is such that the webbing is inserted flat without being cut, and, being overlapped by and infolded by the metal wings of the blank, the result is a suspender-end of extraordinary strength.

The process of construction and the application thereof will hereinafter be fully pointed out and described.

In the drawings, which form an essential part of this specification, Figure 1 is a plan view of the metal blank from which the clasp is formed. Fig. 2 is a view representing the webbing as laid in position on such a blank, showing the first operation of infolding. Fig. 3 is a view similar to that in Fig. 2, showing the second infolding operation, and Fig. 4 represents a rear view of the completed clasp with the ends of webbing in their final position.

Similar letters of reference in the various figures of the drawings will locate corresponding points.

The object of my invention is the production of a metallic suspender-clasp or shield so formed and shaped that it will receive the webbing forming the ends in one piece, thus retaining the full strength of the fabric, the metal wings of the blank in the process of shaping being infolded with the webbing in such a manner that the union of both combines strength and beauty.

As the first step toward the production of the clasp or shield, I cut from metal of suitable thickness a flat blank, A, of the shape and form as shown in Fig. 1. It is provided with wings *c* and *d*, and with a tail-piece, *b*, which at its lower end carries a hook or eye, *a*, this hook or eye being formed at the same time and by the same die that cuts the blank, and is a part thereof. It is obvious that this hook or eye may be of any desired shape or form, and varied in size according to circumstances. Upon these blanks is then laid the piece of webbing B which is to be infolded with the clasp. Its first position is shown in Fig. 2; also, by the dotted lines *x x* in Fig. 1. The tail-piece *b* of the blank A is then folded upward over the webbing B, and pressed down until it lies flat thereon, as shown in Fig. 2, compressing the webbing in between the two metal surfaces. That part of the metal blank on the right hand, forming the wing *c*, is then bent down to the left, on the angle of the piece *b* first bent, carrying with it one-half of the webbing B until both lie flat upon the metal surface of the piece *b* first bent down, taking the position as shown in Fig. 3, the webbing being beneath the metal wing *c*. That part of the blank A on the left, forming wing *d*, is then bent to the right, in a similar manner, as and with the same results as in the case of wing *c*. This finishes the process of infolding, and the finished article takes the form as shown in Fig. 4.

It is plainly apparent that by this method of forming the metal clasps, and by using the webbing in one piece, the two being so infolded, that I secure the entire strength of both, the combination producing a suspender-end of unusual strength and beauty.

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

A clasp for suspender-ends, composed of a flat blank of metal, A, having wings *c* and *d*, and tail-piece *b* carrying hook or eye *a*, and adapted to be applied to a single piece of webbing, B, substantially in the manner and for the purposes as herein shown and set forth.

GEORGE B. GURLEY.

Witnesses:

E. G. WARD,

LEWIS WILKINSON.