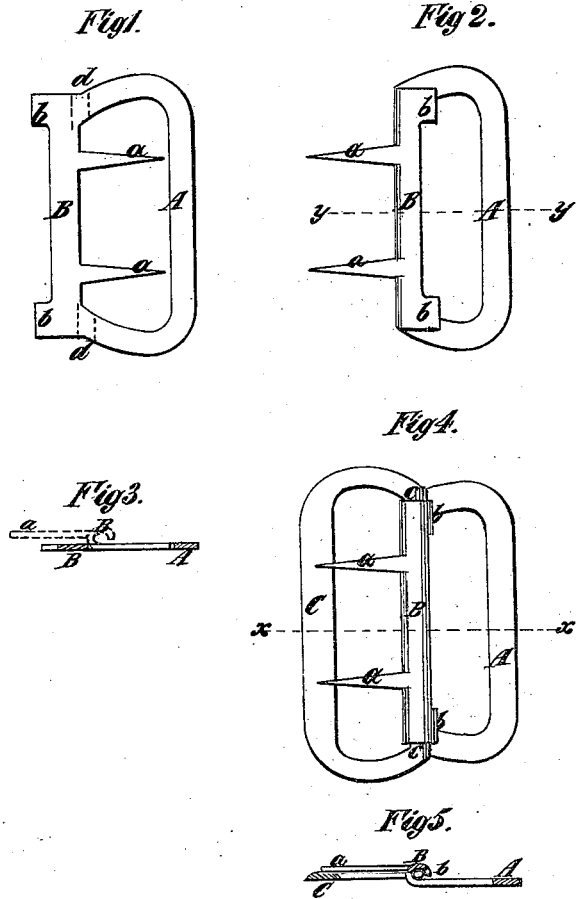


J. F. MOLLOY
Buckles.

No. 211,580.

Patented Jan. 21, 1879.



Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES F. MOLLOY, OF WEST HAVEN, CONNECTICUT.

IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. **211,580**, dated January 21, 1879; application filed November 29, 1878.

To all whom it may concern:

Be it known that I, JAMES F. MOLLOY, of West Haven, in New Haven county, and State of Connecticut, have invented certain new and useful Improvements in Buckles, of which the following is a specification:

My invention particularly relates to that class of buckles in which a loop is provided for attaching the buckle to one part of the garment or other article upon which it is to be used, but is or may be applicable to various kinds of buckles in which a loop is provided separate and distinct from the bow of the buckle.

My improvements consist in the construction of such a buckle with a combined tongue-bar and loop, formed of one piece of sheet metal, the teeth or prongs of the tongue-bar being cut from the inner portion of the loop and retroverted or turned outward, the said piece being also preferably provided with a closing portion for attaching the loop and tongue to the bow of the buckle.

In the accompanying drawing, Figure 1 represents a plan of the blank from which the tongue-bar and loop are formed; Fig. 2, a plan thereof, the teeth or prongs being retroverted or turned outward; Fig. 3, a transverse section of such a blank on the dotted line *y y*, Fig. 2, the teeth or prongs being shown in dotted outline as retroverted or turned outward; Fig. 4, a plan of a completed buckle; and Fig. 5, a transverse section thereof on the dotted line *x x*, Fig. 4.

Similar letters of reference designate corresponding parts in all the figures.

A designates a loop, and B a buckle-tongue bar. They are shown as formed from one piece of sheet metal, and as having teeth or prongs *a* projecting inward from the tongue-bar B, and cut from the portion of metal within the loop A. (See particularly Fig. 1.)

By forming the teeth or prongs from the inner portion of the loop I effect quite a saving of material, as otherwise that portion of metal is useless, except for scrap.

Upon the outside of the tongue-bar B, I preferably form one or more closing portions, *b*, which are preferably formed in the same piece of metal with the loop, and which may be of any width.

C designates the bow of the buckle, which may also be formed of sheet metal, and pro-

vided with inwardly-projecting arms or points *c*, about which the closing portions may be bent for the purpose of securing the two parts of the buckle together.

In order to bring the teeth or prongs into the proper position for use, I bend the blank between the dotted lines *d*. (See Fig. 1.) The teeth or prongs *a* are thus retroverted or turned outward into the position shown in Fig. 2. By thus bending the blank the tongue-bar B and closing portions *b* are turned over and inward, (see also Fig. 2;) and in order to attach the buckle-bow it is only necessary to bend the closing portions *b* still farther down and inward over the arms or points *c*. (See Fig. 5.)

By my invention I produce a very simple and strong buckle, which, as the teeth or prongs are formed from what has been heretofore wasted, may be made with less material, and, as the loop may be secured to the bow and the teeth or prongs brought into a position for use at one operation, the cost of manufacture is decreased.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A buckle having a loop, tongue-bar, and prongs or teeth formed from a single piece of metal, said tongue-bar being bent around toward or upon the loop, substantially as and for the object set forth.

2. The method herein described of forming a loop, tongue-bar, and teeth or prongs of a buckle from a single piece of metal, the same consisting in cutting the teeth or prongs from the portion of metal forming the loop, and then retroverting the teeth and tongue-bar, substantially as shown and described.

3. A combined buckle, tongue-bar, and loop formed in one piece, having provided thereon a closing portion for the attachment of the tongue-bar and loop to the bow of the buckle, substantially as herein specified.

4. A buckle comprising the combination, with a bow, of a loop and tongue-bar, formed in one piece, which is provided with a closing portion for the attachment of the loop and tongue-bar to the bow, substantially as herein specified.

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Witnesses:

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