

E. S. Dawson,

Harness Buckle.

No. 85,798.

Patented Jan. 12. 1869.

Fig. 1.

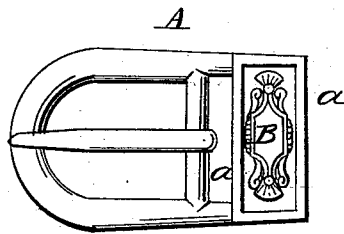


Fig. 2.

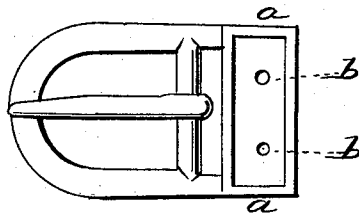


Fig. 3.



Fig. 4.



Witnesses:

J. A. Morley

Chas. Dodge

Inventor:

E. S. Dawson

United States Patent Office.

EDWARD S. DAWSON, OF SYRACUSE, NEW YORK.

Letters Patent No. 85,798, dated January 12, 1869.

IMPROVED HARNESS-BUCKLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, EDWARD S. DAWSON, of Syracuse, in the county of Onondaga, and State of New York, have invented a new and useful Improvement in Ornamenting Harness-Buckles, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those 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 is a plan view of a buckle complete;

Figure 2 is a like view with the ornament detached;

Figure 3 is a sectional view; and

Figure 4 shows the detached ornament.

Similar letters of reference indicate like parts in all the figures.

This invention relates to that class of buckles which are ornamented by attaching thereto forms of silver, or other fine metal; and

The invention consists in protecting the ornament from abrasion, by casting the buckle with an elevated rib around the bed which is to receive the ornament, so that in substance the ornament is inlaid, and by this means so protect the ornamental parts that the article has greater endurance, and presents a neat and unworn appearance much longer than ordinarily, as hereinafter more fully set forth.

In the accompanying drawings—

A is the buckle;

B is the ornament; and

a a is the protecting rib.

ff, fig. 4, are rivets, by which the ornament is attached, and

b b, fig. 2, are the rivet-holes.

The ornaments are formed by striking thin sheet-silver into a form approximating roughly to the final

form, and their concave sides are filled with melted lead, the sprues of the casting serving as rivets, *f*, to secure the ornament to the buckle. The filled ornament is then placed in its forming-die, and a drop let fall upon its leaden back, which forces the silver face into all parts of the die accurately. The finished ornament is then attached, by placing the sprues *ff* through the holes *b b*, fig. 2, which are cast in the buckle, and riveting them fast. And by these means the ornaments are secured in a very permanent and cheap manner.

The body of the buckle is japanned, as usual, before the ornament is attached.

The style of finish may be varied, by silvering or X-silvering the body of the buckle, while the ornament is japanned, and then attached.

I do not wish to confine myself to buckles, as this method can be used for protecting the ornaments of metallic box-loops, or other parts of harness and saddlery-hardware, with the same facility and advantage.

I am aware that it is not new to protect ornaments by means of a raised surface surrounding them; therefore I do not wish to claim the broad principle.

Having thus described my invention,

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

In a buckle, cast as described, the sunken face, and the rib or flange *a*, surrounding said face, forming a receptacle and protection for the piece *B*, secured to the face, as herein described, and for the purpose specified.

The above specification of my invention signed by me, this 12th day of September, 1868.

E. S. DAWSON.

Witnesses:

WM. J. DODGE,

F. A. MORLEY.