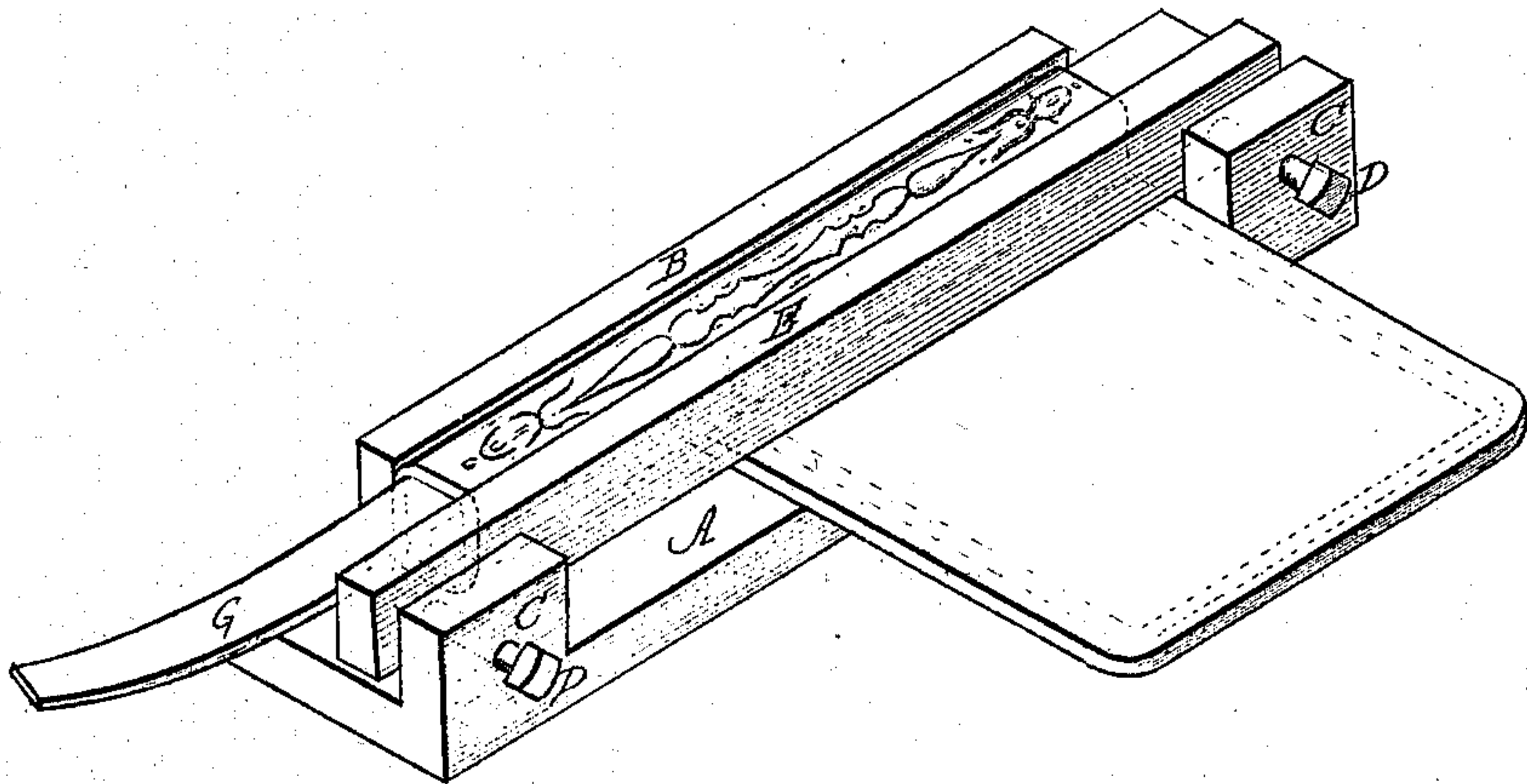


O. H. Morris,

Embossing Harness Hooks.

No. 97,675.

Patented Dec. 7. 1869.



O. H. Morris

Inventor

By his Attorney.

John E. Early

Witnesses

John H. Shumway
A. J. Lehigh

United States Patent Office.

OWEN H. MORRIS, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 97,675, dated December 7, 1869.

IMPROVED CLAMP FOR EMBOSSING HARNESS-LOOPS.

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, OWEN H. MORRIS, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Apparatus for Embossing Harness-Loops; and I do hereby declare the following, when taken in connection with the accompanying drawing, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents a perspective view of the apparatus, as clamping a loop.

This invention relates to an apparatus for holding the loop, formed on parts of a harness, for tucking the end of the strap.

On fine work, it is customary to emboss these loops, and difficulty has been experienced in the process of embossing, as the loop must be formed before it is embossed.

To overcome this difficulty, is the object of my invention, which consists in a plate and fixed bar to receive the loop, and bear upon one side, and an adjustable clamping-bar, to bear upon the other side, so as to expose a portion of the loop to be embossed, and to clamp and hold the loop, so that the process of embossing will not affect the shape of the loop.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same, as illustrated in the accompanying drawing.

I here represent the embossing of the loop upon the head-strap of a bridle, which is sufficient to illustrate the apparatus, and to enable others skilled in the art to adapt the same to loops for other parts of the harness.

A is the bed-plate, upon which is formed a fixed plate or bar, B, and upon the opposite side of the bed-plate, ears C are formed, through which set-screws D are arranged.

E is an adjustable or loose bar, placed upon the plate, so that the set-screws D will bear against it, and force it toward the bar B, or permit it being set further from the bar B.

Between the two bars B and E, the loop F, to be embossed, is placed, and the bar E forced against the loop, so as to clamp the loop firmly between the two bars B and E, the loop being fixed by the strap G, as seen in the drawing.

Then the die or instrument for embossing is applied to the loop, and the ornamentation impressed or raised thereon, and, when complete, is removed from the clamp, and this is done without, in any way, injuring the shape of the loop.

Having fully described my invention,

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

The apparatus, consisting of the plate A, fixed bar B, adjustable bar E, arranged in the manner described, so as to relieve the part not to be clamped, and the screws D, for the purpose of holding harness-loops, while being formed, ornamented, and finished, in the manner herein described.

OWEN H. MORRIS.

Witnesses:

A. J. TIBBITS,
J. H. SHUMWAY.