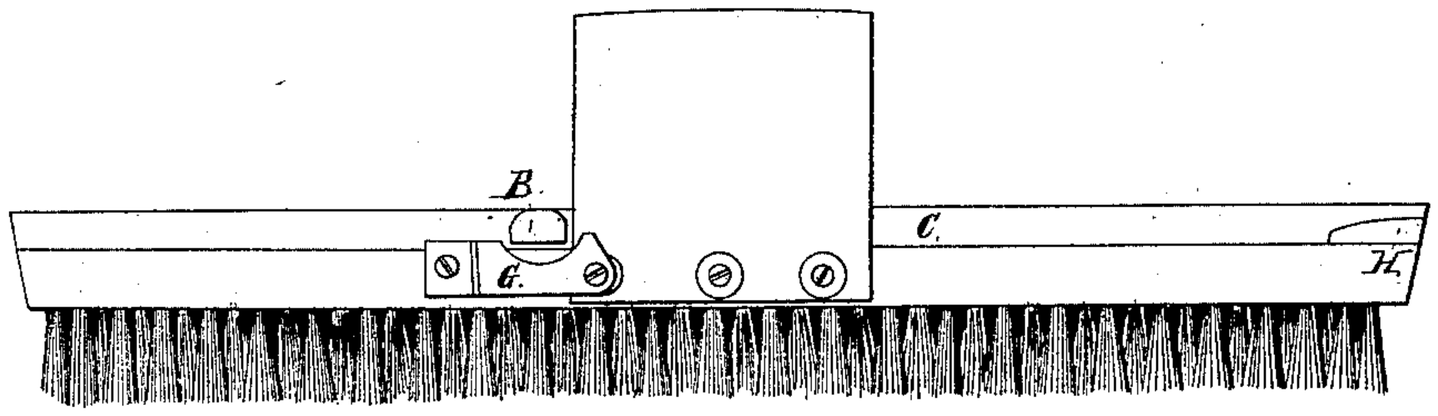
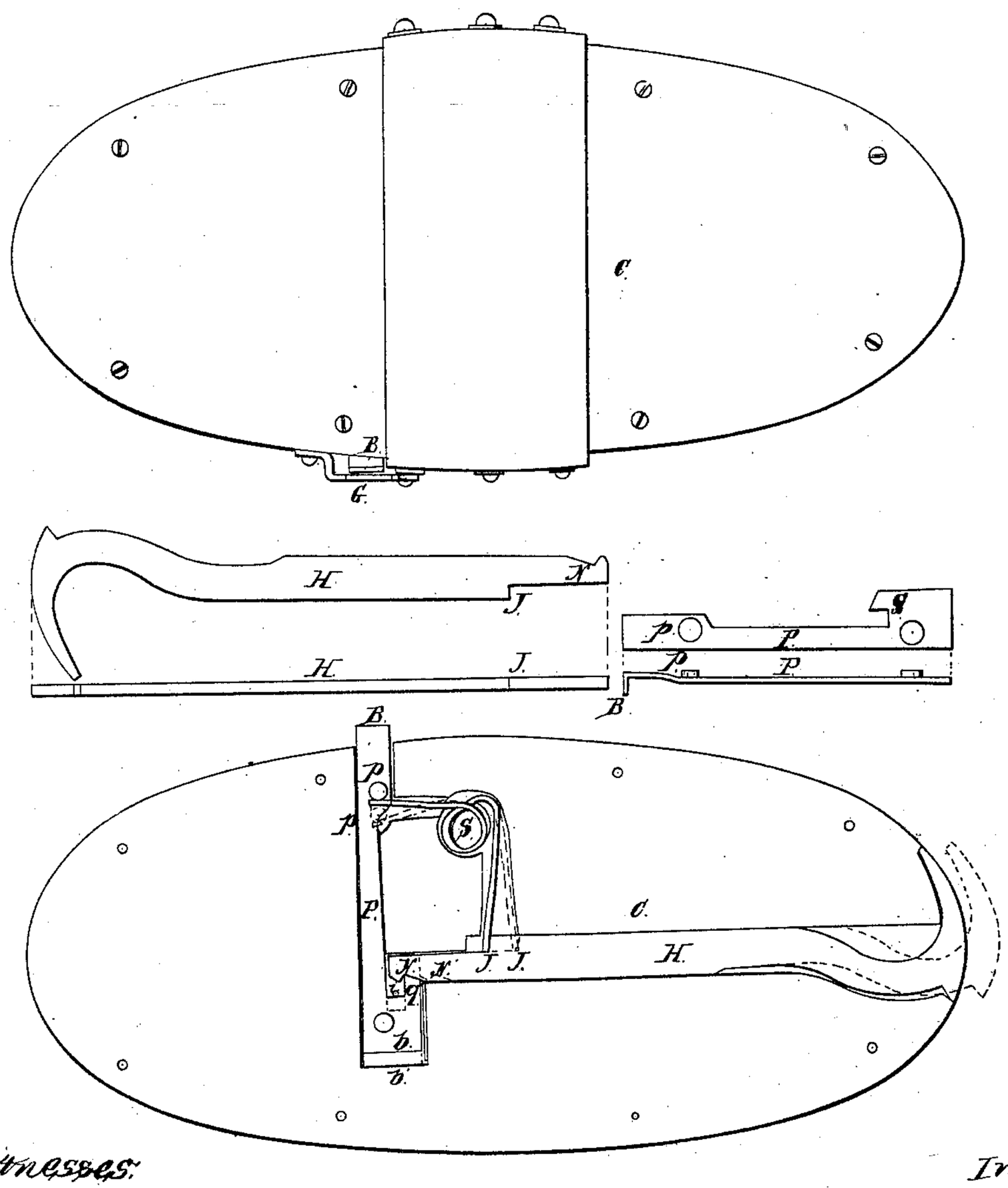
F. Stanley,

Attaching Hoof-Hooks to Brushes.

No. 82,172. Patented Sept. 15, 1868.





Witnesses:
Thos. Devine
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Inventor:
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United States Patent Office.

FRANK STANLEY, OF AUSTIN, TEXAS.

Letters Patent No. 82,172, *dated September* 15, 1868.

IMPROVEMENT IN JOINING AND FITTING HOOF-HOOKS.

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, FRANK STANLEY, of Austin, in the county of Travis, in the State of Texas, have invented a new and improved Hoof-Hook or cleaner, for cleaning the hoofs of horses and mules; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a hoof-hook or cleaner, of iron or other suitable material, to be used for cleaning the hoofs of horses or mules, which is attached to the back of an ordinary horse-brush, and retained there by a spring, which can also be made to detach it from there at pleasure.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my hoof-hook or cleaner of iron or other suitable material, as represented in full size at H in drawing, with a shoulder at J, and a notch at N.

P is a metallic slide, (full size,) with a projection, *p*, on its surface, against the side of which the spring S (described below) acts, and with a point, *q*, to fit into the notch N of the hook, and confine the hook to its sheath. The end of the slide which projects beyond the side of the brush is bent at right angles, to form a button, B, which must be pressed against when it is required to draw out the hook H. This button B is protected from accidental pressure by a projecting metallic guard, shown at G. S is a metallic coil-spring with two arms, one pressing against the projection *p* of the slide, and the other against the shoulder J of the hook H. By the pressure of the spring against *p*, the button B, at the end of the slide P, is made to project beyond the edge of the brush, but it is prevented from projecting as much as the guard G, by a small pin, *r*, (see view of the under side of the cover C to the back of the brush, which is grooved to receive H, P, and S.)

The upper or exterior side of the cover C (which is screwed on the back of the brush) is smooth, and presents the appearance of the back of an ordinary brush.

Supposing the hook to be in its place in the sheath, if it is required to take it out, press against B. The arm of the spring S, working against *p*, is forced back, *p* taking the position *p'*, and *b*, the inner end of the slide, goes to *b'*. The point *q* leaves the notch N, when the pressure of the second arm of the spring S against the shoulder J of the hook, shoves it forward to J', and the hook projects out of its sheath, as indicated by the dotted line, and may be readily seized.

When the hook is to be sheathed, it must be run into the sheath formed by the groove cut into the cover C. The nose or projection between the notch N and the end of the handle of the hook being bevelled, when pressed against the bevelled side of the point *q*, forces it back until it catches into the notch N of the hook and holds it.

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

The fitting of the hoof-hook or cleaner into the back of the ordinary horse-brush, and the mechanism above described, by which it is confined in its sheath or thrown out at pleasure, or any similar arrangement answering the same purpose.

FRANK STANLEY.

Witnesses:

THOS. J. DEVINE,

WM. HIENER.