(No Model.)

W. MULLOY.

HOOF PAD.

No. 347,821. Patented Aug. 24, 1886.

Fig. 1.

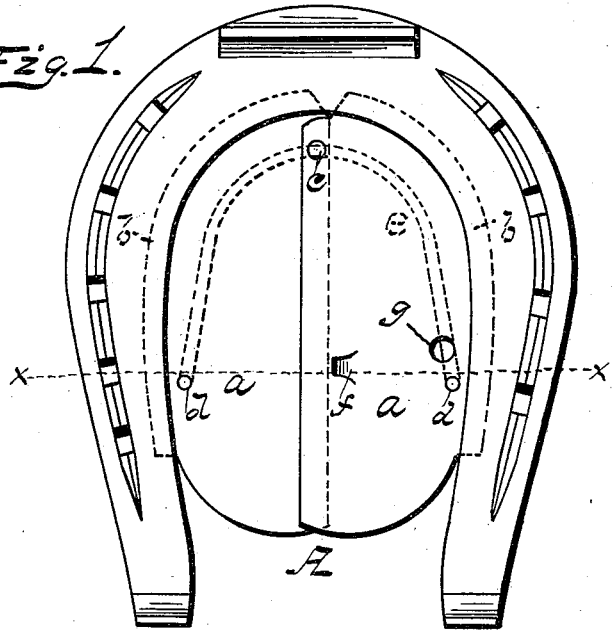


Fig. 4.

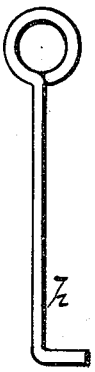


Fig. 2.

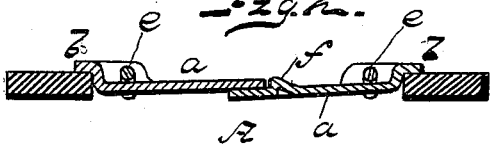
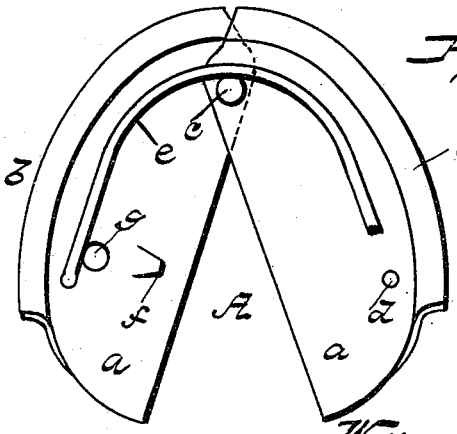


Fig. 3.



WITNESSES

James B. Clark

M. A. Bates

INVENTOR

William Mulloy

by E. W. Bates his Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM MULLOY, OF GREAT FALLS, NEW HAMPSHIRE.

HOOF-PAD.

SPECIFICATION forming part of Letters Patent No. 347,821, dated August 24, 1886.

Application filed November 19, 1885. Serial No. 183,309. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MULLOY, a citizen of the United States, residing at Great Falls, in the county of Strafford and State of New Hampshire, have invented certain new and useful Improvements in Moisture or Pressure Pads for Horses' Shoes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to improvements in devices to prevent snow from accumulating on the under side of a horse's hoof; and it consists in the novel construction and arrangement of a pair of plates pivoted to one another, and provided with a securing-flange and an expansion device, preferably a spring the ends of which are secured to each plate, which serves to force the flanges beneath the shoe and secure the plate thereto, all as will be hereinafter more fully explained, and particularly pointed out in the appended claim.

The annexed drawings, to which reference is made, fully illustrate my invention, in which Figure 1 is a bottom view of a horse's shoe, showing my device applied. Fig. 2 is a vertical cross-sectional view of the same, taken in the course of the dotted line *x x* on Fig. 1. Fig. 3 is a plan view of the plate detached from the shoe, and Fig. 4 is a side view of the hook.

Referring by letter to the accompanying drawings, A designates the plate, which consists of two halves, *a a*, which are constructed to conform to the inside curve of the horseshoe. These plates are each provided with an outer flange, *b b*, and are pivoted at their forward ends to one another, as at *c*, and each half-plate is further provided with perforations *d d*, in which are riveted the ends of a bow-spring, *e*, which serves to expand the plates and force the flanges between the shoe and under side of the horse's hoof, thus securing the same thereto. A stop-lug, *f*, is provided on one of the plates, against which the edge of the opposite plate abuts, thus aiding the spring in keeping the twin plates from becoming accidentally displaced, and one of said plates is further provided with a perforation, *g*, which is designed to receive the hooked end of a tool, *h*, which is used in drawing or closing the plates toward one another against the pressure of the spring, thus disengaging the flange from the shoe and allowing the detachable plate to be removed from the foot of the horse.

It will be seen from the above description, and by reference to the annexed drawings, that by my device no snow can accumulate on the under side of the hoof, and it can be readily detached from the shoe. It is durable, and at the same time cheap to manufacture.

I disclaim the broad idea of using detachable pivoted wings formed for union within the horseshoe, and to be attached by expansion of said plates, with or without a spring above the plates.

I am also aware of an edgewise-expansible metallic plate made in two parts, which, when united, have the approximate shape of the interior space of a horseshoe, and provided with fingers to extend over the upper inner margin of the shoe upon a hoof, and having an expansible spring, such as shown in the Patent No. 221,272, dated November 4, 1879, and disclaim, broadly, such device.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

As an improved article of manufacture, the detachable plate herein described, consisting of the pivoted twin sections *a a*, each having the upturned flanges *b b*, and perforated to receive the ends of the bow-spring, one section provided with the lip *f*, affording a stop for the lapping edge of the opposite section, and a perforation adapted to receive a hook for detaching the plate from the horseshoe, the whole constructed and arranged as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM MULLOY.

Witnesses:
JOSEPH A. STICKNEY,
JAMES S. MCDANIEL.