

(No Model.)

J. CLARK & F. W. FLOYD.
QUARTER BOOT FOR HORSES.

No. 476,517.

Patented June 7, 1892.

Fig. 1.

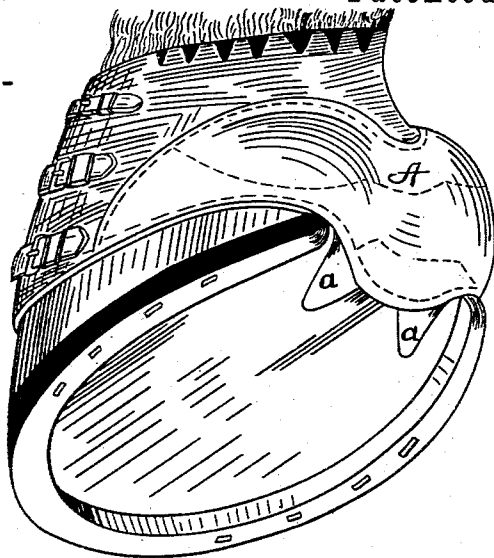
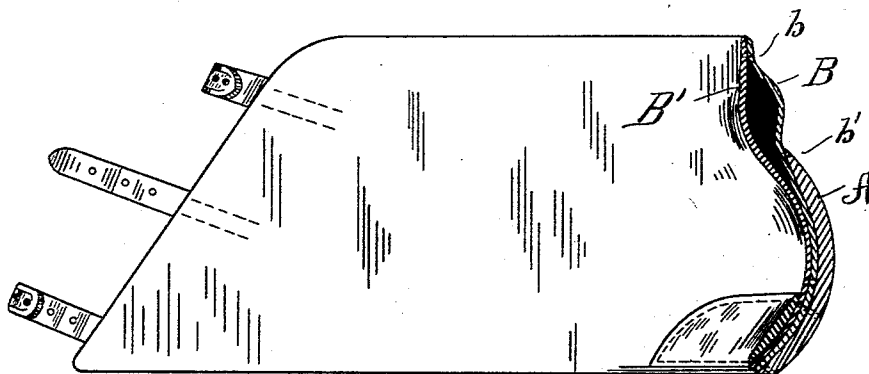


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN CLARK AND FRANK W. FLOYD, OF DETROIT, MICHIGAN.

QUARTER-BOOT FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 476,517, dated June 7, 1892.

Application filed June 25, 1891. Serial No. 397,533. (No model.)

To all whom it may concern:

Be it known that we, JOHN CLARK and FRANK W. FLOYD, citizens of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Quarter-Boots for Horses; and we declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

In the drawings, Figure 1 is a perspective view, and Fig. 2 a longitudinal central section, of a device embodying our invention.

Heretofore in the manufacture of quarter-boots for horses they have been made with a stiff outside leather backing and with a soft flexible apron adapted to extend up the back portion of the foot, and this apron has not been fastened along the upper edge of the stiff shield or backing, but has been detached along this edge, so that the apron might yield readily up and down without rubbing or irritating the horse's foot. This construction, however, has proved to be disadvantageous in that the horse in traveling is apt to throw gravel, stones, or dirt into the space between the outer shield and the inner apron, which, being held in this position, will very quickly injure the horse's foot. It is the purpose of our invention to overcome this difficulty, while we still maintain the yielding apron, by employing an inner and an outer portion of the apron stitched together at the top and having the outer portion stitched to the top of the shield and the lower portion stitched to the bottom of the shield.

In carrying out our invention, A represents the stiff outer shield.

a represents clips adapted to extend down and beneath the hoof and aid in retaining the boot in place.

B B' represent the inner flexible apron, which comes in contact with the horse's foot. This apron we make in two thicknesses sewed together near their upper edges at b. Then the outer thickness B is sewed snugly to the upper edge of the outer shield at b'

and the inner thickness B' is sewed to the bottom of the shield. It is apparent that by this construction we preserve the feature of the apron, as the inner lining B' folds upon itself without rubbing up and down, being permitted to yield up and down with the foot of the horse without rubbing or abrasion. At the same time, the space being wholly closed at b', no dirt or gravel-stone can find a lodgment between the outer shield and the apron. The inner thickness of the boot may be lined with wool or the like, or a thickness of wool may be placed between the two thicknesses of the lining of the boot in order to deaden any blow upon the boot. The two thicknesses of the boot-lining may also be so sewed together and attached to the stiff portion of the boot as to form an air-space adapted to retain air and serve as a cushion to deaden a blow upon the boot.

The clips a may be attached at any points about the boot to either the stiff portion or the lining of the boot, and one clip instead of two may be employed.

The advantages of our invention are evident and important.

What we claim is—

1. A quarter-boot for horses, consisting of shield A and a double flexible apron having an inner portion B' and an outer portion B, stitched together at the top and having the outer section B stitched to the upper edge of the shield and the inner section B' stitched to the lower edge of the shield, substantially as described.

2. A quarter-boot for horses, consisting of a shield A, a double lining B and B', the outer thickness of lining stitched to the upper edge of the shield and the inner thickness stitched to the lower edge of the shield, and a cushion between said inner lining B' and the shield and outer lining, substantially as described.

3. In a quarter-boot for horses, the combination of a shield and an inner and outer apron, the outer apron adapted to prevent the accumulation of gravel in front of the shield and the inner lining adapted to flex with the foot of the animal, substantially as described.

4. A quarter-boot for horses, comprising a shield A and a double lining B B', the outer lining stitched to the upper edge of the shield, and the said boot provided with a clip
5 adapted to pass down and beneath the hoof and help retain the boot in position on the hoof, substantially as described.

In testimony whereof we sign this specification in the presence of two witnesses.

JOHN CLARK.

FRANK W. FLOYD.

Witnesses:

MARION A. REEVE,

FRANK P. HAINES.