

No. 720,970.

PATENTED FEB. 17, 1903.

C. A. ROOT.
QUARTER BOOT.

APPLICATION FILED FEB. 1, 1902.

NO MODEL.

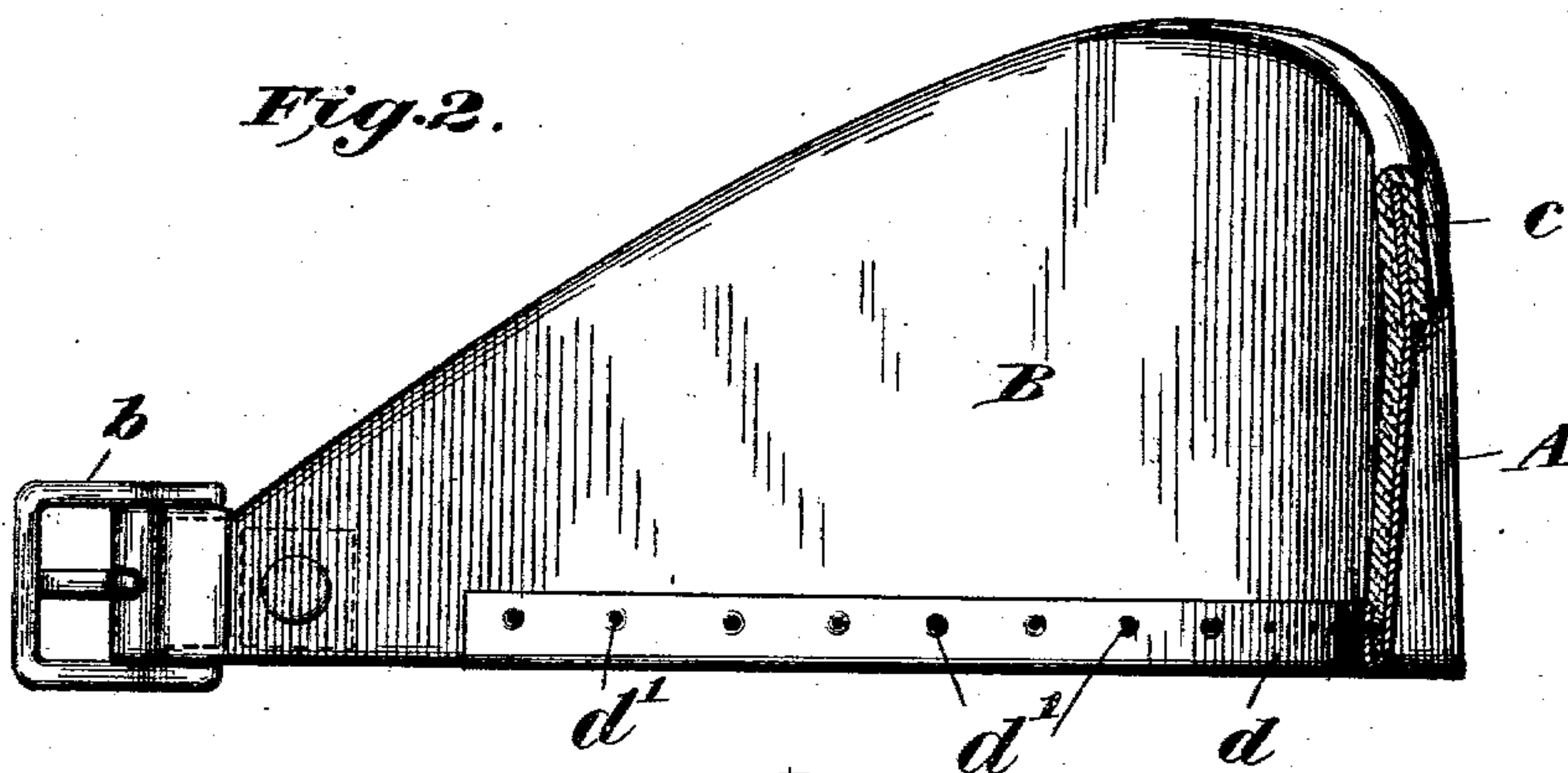
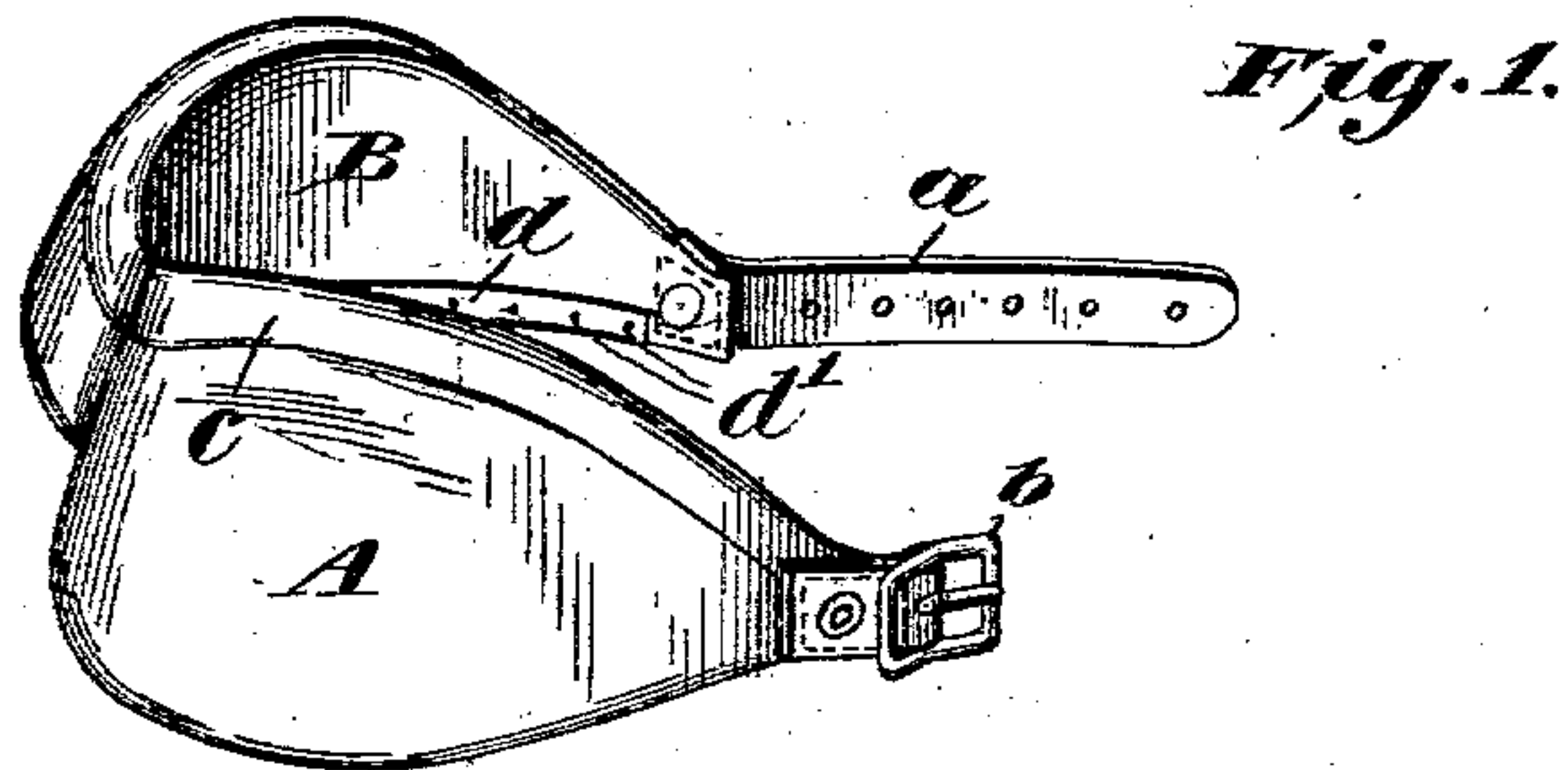
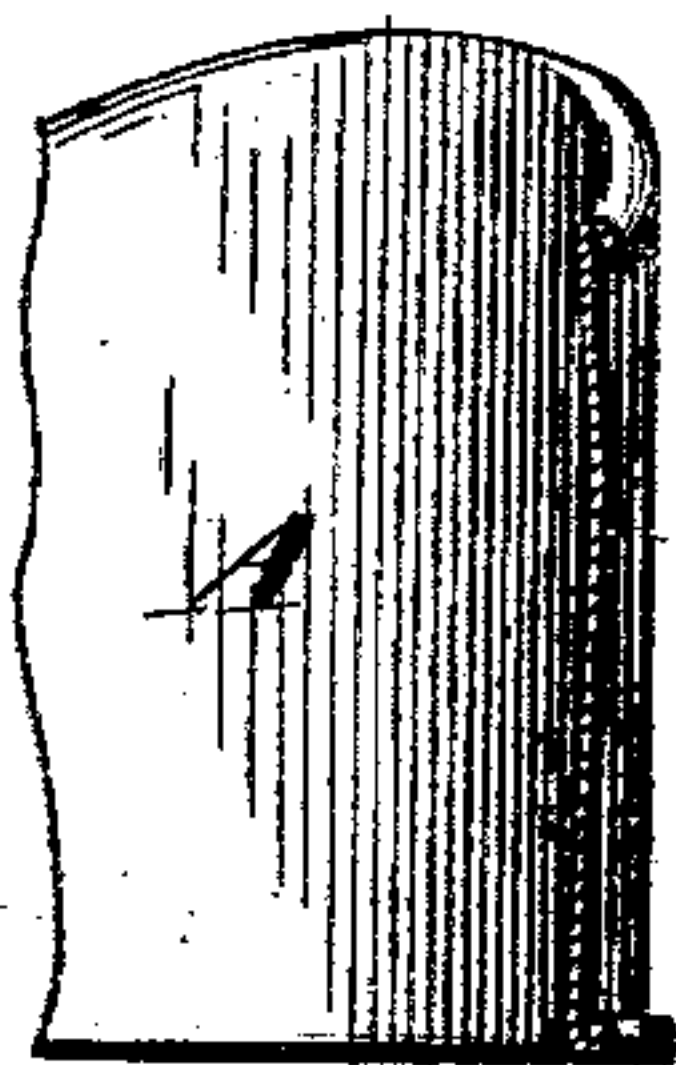


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CORYDON A. ROOT, OF ANDOVER, OHIO.

QUARTER-BOOT.

SPECIFICATION forming part of Letters Patent No. 720,970, dated February 17, 1903.

Application filed February 1, 1902. Serial No. 92,193. (No model.)

To all whom it may concern:

Be it known that I, CORYDON A. ROOT, a citizen of the United States of America, residing at Andover, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Quarter-Boots, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view; Fig. 2, a vertical section of a quarter-boot constructed in accordance with my invention, and Fig. 3 is a vertical section showing the manner of constructing the boot when it is desired to dispense with the leather lining.

The object of this invention is to produce a simple, effective, inexpensive, and durable guard or boot for attachment to the front hoofs of horses to take the impact, and thereby guard the front feet from injury where the animal is addicted to overreaching or forging; and it consists of certain matters of construction hereinafter set forth and claimed.

Referring to the drawings by letters, A designates the quarter boot or guard proper, which is constructed of sheet metal, preferably aluminium, pressed into shape from a single piece of sheet metal. The boot is bent to approximately fit the rear side of the foot and is provided with a substantially straight lower edge and with its upper edge suitably curved to surround and engage the foot without discomfort or injury thereto. The side wings taper forward and are respectively provided at their forward extremities with a strap *a* and a buckle *b*, by means of which the boot may be fastened to the foot.

The lining B, of leather, is fastened to the inner surface of the boot, preferably by turning up the lower edge *d* of the boot and crimping or pressing it into the inner surface of the lining, so as to make it substantially flush therewith, and thereby avoid a projecting edge. If found necessary or desirable, the upturned flange *d* may at intervals be provided with indentations *d'* to force part of the metal into the leather, and thereby more securely fasten the lining in place. The lower edge of the metal is rounded, as shown, to avoid injury to the hoof. The upper edge of the lining is secured by being crimped or bent down over the upper edges of the metal, the flange

c, formed by thus crimping the leather, lying on the outside of the metal boot, so as to present a smooth inner surface and a rounded upper edge.

In the modification the lining is done away with and the respective upper and lower edges of the boot are rolled or turned outward to strengthen the boot and also present rounded edges that will not injure the foot of the horse.

A quarter-boot constructed according to my invention possesses very important advantages over the common all-leather boot in use. It fits the foot of the animal, and therefore cannot turn. Hence it need not be strapped so tightly as to cause pressure or friction on any part of the foot or ankle. It can be used on an unshod horse, as it will not slip down, even though it has no shoe to hold it in place. It protects the foot from bruises and fits more effectually than a leather boot in view of the rigidity imparted by the metal shell. Furthermore, this boot is much lighter and more durable than a leather boot, and this is a very important feature, inasmuch as all weight that is put on a horse's heel is a handicap. Again, it may be made to fit tightly, and thereby be prevented from loading or clogging with dirt or mud, and being pressed from one piece of metal it retains its shape and holds tightly to the foot. Furthermore, as the lining is not sewed or riveted or otherwise permanently fastened to the shell it may be easily removed to clean the boot or to repair any bruise or injury to the metal.

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

1. A quarter-boot consisting of a rigid metal shell shaped to fit the foot of a horse and having at its lower edge an upward-bent flange, a lining of leather, the leather being attached to the shell by having its upper edge bent or crimped outward over the upper edge of the shell and against the exterior thereof and its lower edge clamped between the shell and said inward-bent flange thereof, said flange being pressed into the leather so as to be approximately flush with the inner surface thereof.

2. A quarter-boot consisting of a rigid shell shaped to fit the foot of a horse and having

at its lower edge an upward-turned edge, a
lining of softer material, said lining being se-
cured in place by having its upper edge
crimped down over the upper edge of the shell
5 and its lower edge clamped against the shell
by the upturned edge thereof.

In testimony whereof I hereunto affix my

signature, in the presence of two witnesses,
this 20th day of January, 1902.

CORYDON A. ROOT.

Witnesses:

ALVIN C. WHITE,
ELMER E. LORD.