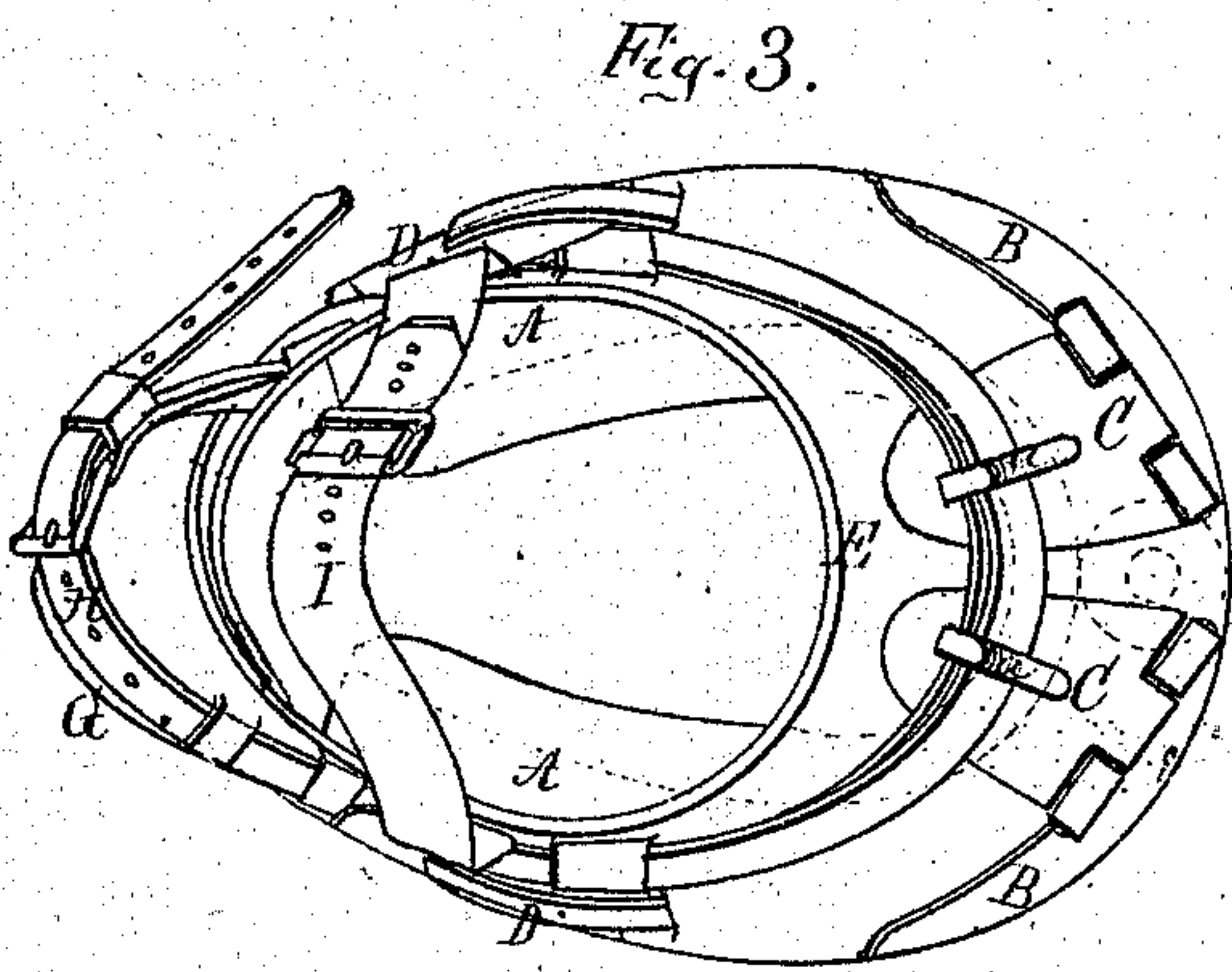
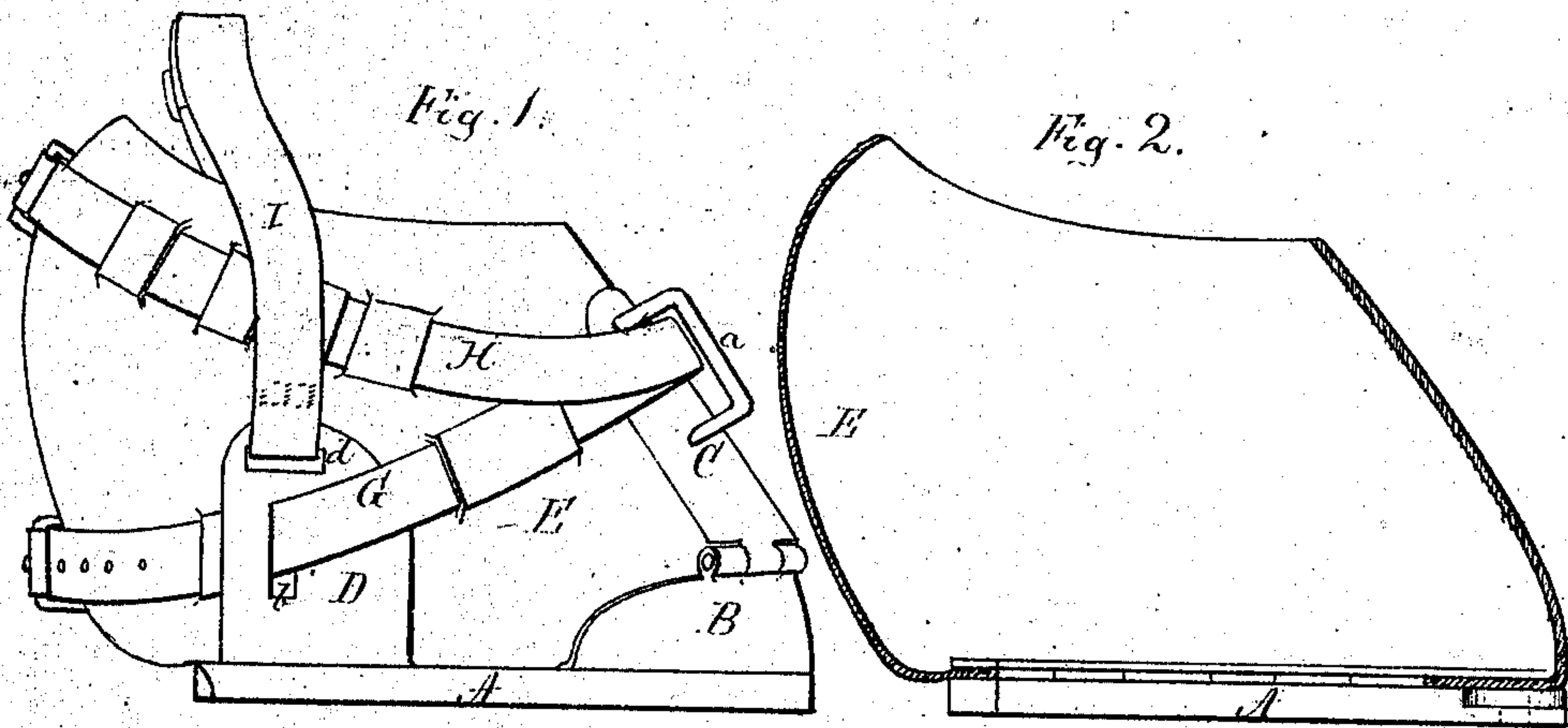


H. G. & E. M. HAEDRICH.

Improvement in Combined Horse-Shoe and Bect.

105566

PATENTED JUL 19 1870



Witnesses:

Chas Jacobs
J. White

Inventors:

H. G. & E. M. Haedrich

For
T. H. Alexander
Atty.

UNITED STATES PATENT OFFICE,

HENRY G. HAEDRICH AND EDWARD M. HAEDRICH, OF PHILADELPHIA, PA.

IMPROVEMENT IN COMBINED HORSESHOE AND BOOT.

Specification forming part of Letters Patent No. 105,566, dated July 19, 1870.

To all whom it may concern:

Be it known that we, HENRY G. HAEDRICH and EDWARD M. HAEDRICH, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Combined Horseshoe and Boot; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of our invention consists in the construction and arrangement of a combined horseshoe and boot, substantially as herein-after set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side elevation; Fig. 2, a longitudinal vertical section, and Fig. 3 a plan view of our improved shoe.

A represents a horseshoe of any suitable construction, provided on each side of its toe with a flange, B, to the upper end of which is hinged a piece, C. This piece extends upward about as far as a horseshoe-boot generally does, and is on its outer side near the top provided with a loop, *a*.

We do not confine ourselves to any particular number of these hinged pieces C C, as there may be one, two, or more. If an odd number, one is to be placed at the toe and an equal number on each side thereof.

On each side of the heel of the shoe is an upward-projecting piece, D, which may be either stationary on or hinged to the shoe, and is provided with a vertical slot, *b*, near its rear edge, and a horizontal slot, *d*, at its upper edge. The flanges B B or pieces D D may be so attached to the shoe as to be moved backward or forward.

A shoe provided with the pieces C and D may be attached to the hoof either with or without a boot. When with the boot E, the boot is constructed and attached to the shoe

in precisely the same manner as described in a patent recently issued to us. One strap, G, passes through the loops *a a* and through the slots *b b*, and fastened below the concave portions of the boot. Another strap, H, also passes through the loops *a a*, and in and out of the boot near its upper edge, and is fastened immediately above the concave parts of the shoe, as shown. When the shoe E is not used, then in addition to the straps G H another strap, I, is employed, which strap is fastened in the slot *d*, on one of the heel-pieces D, and buckled into a buckle attached to the other heel-piece. By this means the shoe is firmly secured to the hoof.

We intend using a shoe which is hinged either at the toe or sides, although the same improvements may be attached to a shoe without joints.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The horseshoe A, provided upon each side of its front center with flanges B B, to which are hinged the pieces C C, all constructed and arranged to operate as and for the purpose set forth.

2. The side pieces, D D, of shoe A, provided with slots *b d*, in combination with straps G and I, all arranged as and for the purpose described.

3. The combination of the shoe A, one or more pieces, C, pieces D D, shoe E, and straps G H, all arranged substantially as shown and described.

4. The combination of the shoe A, one or more pieces, C, pieces D D, and straps G, H, and I, all substantially as shown and described.

In testimony that we claim the foregoing as our own, we affix our signatures in presence of two witnesses.

HENRY G. HAEDRICH.
EDWARD M. HAEDRICH.

Witnesses:

GEO. PATCHEL,
J. I. MYERS.