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Philip H. Wiedersum.

Harness Saddle Tree.

PATENTED JUN 27 1871

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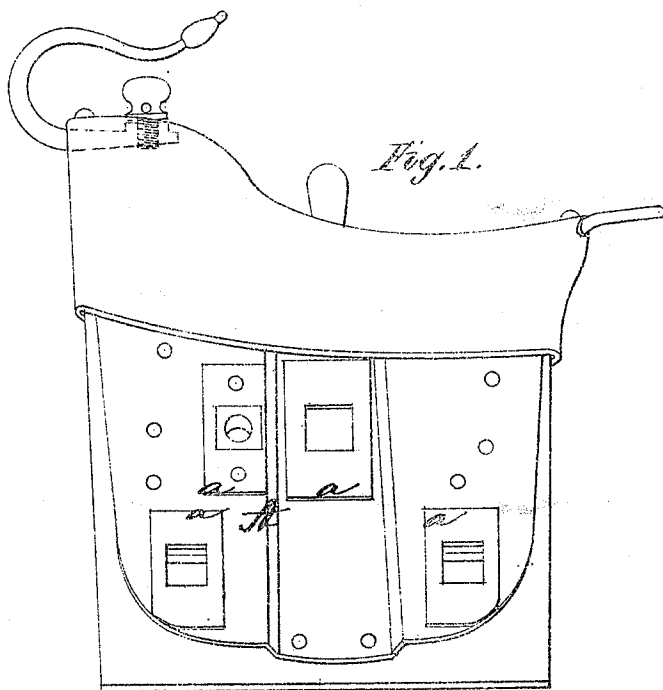


Fig. 1.

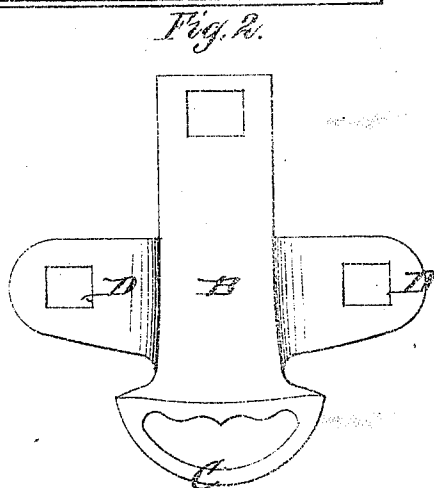


Fig. 2.

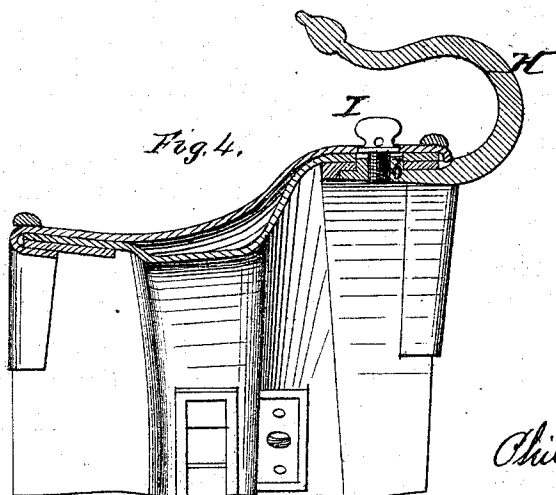
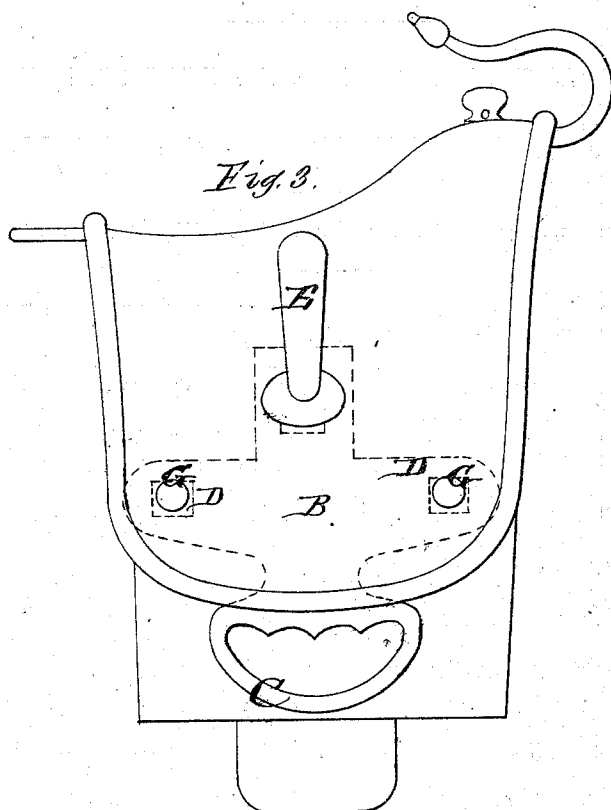
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UNITED STATES PATENT OFFICE.

PHILIP H. WIEDERSUM, OF NEW YORK, N. Y.

IMPROVEMENT IN HARNESS SADDLE-TREES.

Specification forming part of Letters Patent No. 116,519, dated June 27, 1871.

To all whom it may concern:

Be it known that I, PHILIP H. WIEDERSUM, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Harness Saddle-Trees; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in certain improvements on what is known to the trade as a Canadian saddle-tree, as will be hereinafter more fully set forth.

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

Figure 1 is a side view of an unfinished saddle. Fig. 2 is a view of a plate used in the saddle. Fig. 3 is a side view of the finished saddle, and Fig. 4 is a vertical section through the check-hook.

A represents a saddle-tree of the class known as a Canadian saddle-tree. This class of saddle-trees is mostly provided with a groove of suitable width running across the center from end to end for a guide for the running back-band. Sometimes it would be desirable to substitute a ring back-band for the running back-band. For this purpose I provide a plate, B, with a ring, C, at one end, and a wing, D, on either side. In the upper end of the plate B, and in each wing D, is a hole, which may be either square or round. This plate is laid on the end of the saddle-tree, or rather slipped in under the molding and covering of the tree, so that the ring C will come immediately under the molding at the end of the tree. The holes mentioned will then correspond with the holes in the tree, so that, by replacing the turret E and screws G G, (which must be removed before the plate is inserted,) the plate and ring are held firmly and securely in place. The back-band may now be attached to the ring C, making a ring back-band. The plate B can read-

ily be removed again when a running back-band is desired. In some of this class of trees the groove for the back-band extends clear to the end of the tree, while in others the extreme end is straight. In the former case the wings D D must be bent, so that the plate B will fit in the groove while the wings rest on the portions each side of said groove. In the latter case the plate and wings are flat. Both of these methods are represented in the drawing.

In a former patent granted to me for improvement in saddle-trees, I described square boxes formed in the tree to receive square plates and nuts. These boxes projected on the upper surface of the tree, making the same uneven. In the present case I have made the upper surface or upper end of said boxes as near flat with the upper surface of the tree as possible, as shown at *a a* in the drawing, whereby the tree gets a better finish, and no bulge is formed in the leather when the tree is trimmed. H represents the check-hook, the lower end of which is made flat and square, and provided with a square nut, *b*. This is inserted from underneath in a square box formed on the under side of the tree at the raised front end, and the nut *b* is inserted in a square hole in the tree. A screw, I, is then passed from above into said nut, which firmly holds the hook in position, and said screw, at the same time, acts as a stop or lock to prevent the check-rein from slipping off of the hook.

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

The combination of the saddle-tree A, plate B, ring C, and wings D D, constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

PH. H. WIEDERSUM.

Witnesses:

T. H. ALEXANDER,
J. V. WHITE.