A. Koehler,

Harness-Saddle Tree,

No. 47,647. Patented May 9, 1865.

Fig 1.

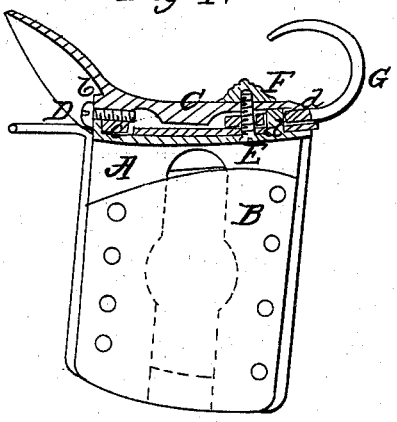
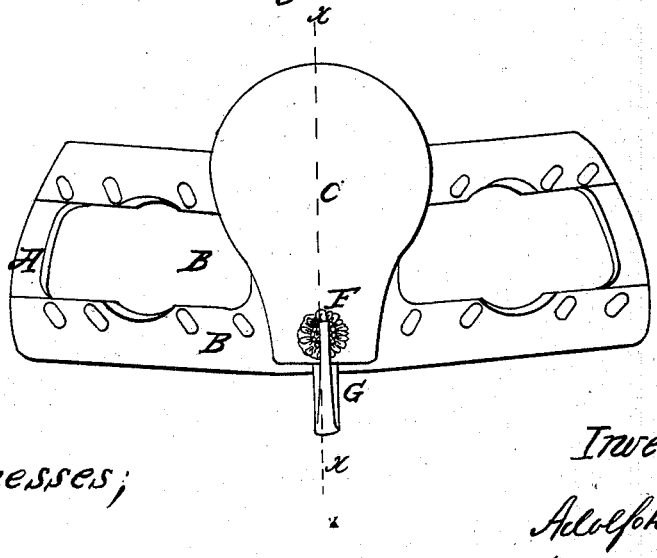


Fig 2.



Witnesses;

Inventor;

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UNITED STATES PATENT OFFICE.

ADOLPH KOEHLER, OF HOLYOKE, MASSACHUSETTS.

IMPROVED HARNESS-SADDLE TREE.

Specification forming part of Letters Patent No. **47,647**, dated May 9, 1865.

To all whom it may concern:

Be it known that I, ADOLPH KOEHLER, of Holyoke, in the county of Hampden and State of Massachusetts, have invented a new and Improved Harness-Saddle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved harness-saddle of that class which are provided with metal seats and trees; and it has for its object the securing of the seat to the tree, and also the securing of the check-rein hook to the seat and tree in such a manner that a perfectly smooth surface will be allowed at the under side of the tree, no projecting screws or bolts extending down to injure or "gall" the back of the horse.

A represents the tree of the saddle, which is of cast metal, and has leather strips, B, riveted to it both at its upper and under surfaces, the upper strip of leather extending entirely over the tree, so that the seat C may rest upon it. The tree A at its center and most elevated position has an upright lug or projection, *a*, near its front edge, which lug or projection passes through the leather B at the upper surface of the tree.

At the rear of the tree A, and in line with the lug or projection *a*, there is an upright lip, *b*, which is behind a pendent projection, *c*, at the under side of the seat, said projection having a hole in it, in which a female thread is cut to receive a screw, D, which passes through the lip *b*. (See Fig. 1.) This screw D, in connection with a screw, E, firmly secures the seat to the tree, the latter screw, E, passing up through the tree from its under side and through the seat, and having an ornamental nut, F, on its upper end. The head of the screw E is flush with the under surface of the tree, the screw hole being countersunk to receive the screw-head, as shown clearly in Fig. 1.

G represents the check-rein hook, which is of the usual shape or form, and has its lower end flattened or expanded, with two holes made in it, one for the lug or projection *a* to pass through, and the other for the screw E to pass through, as shown in Fig. 1. The under side of the seat C is of concave form, but the front edge extends down, forming a lip having a hole, *d*, in it for the hook G to pass through. By this arrangement it will be seen that the seat C is firmly secured to the tree A, while at the same time the under side of the tree is perfectly smooth, there being no projecting screws or bolts to injure or gall the back of the animal; and it will further be seen that the check-rein hook G will also be firmly secured to the seat and tree, as the screw E, lug or projection *a*, and the hole *d* in the front end of the seat prevent the possibility of its moving in any way.

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

1. Securing the check-rein hook G between the seat C and tree A by means of the lug or projection *a*, combined with the screw E, as described.

2. In combination with the screw E, the screw D, passing through the lip *b* and into the pendent projection *c*, for the purpose of securing the rear part of the seat to the tree, as described.

ADOLPH KOEHLER.

Witnesses:

PORTER UNDERWOOD,

ELIHU HALL.