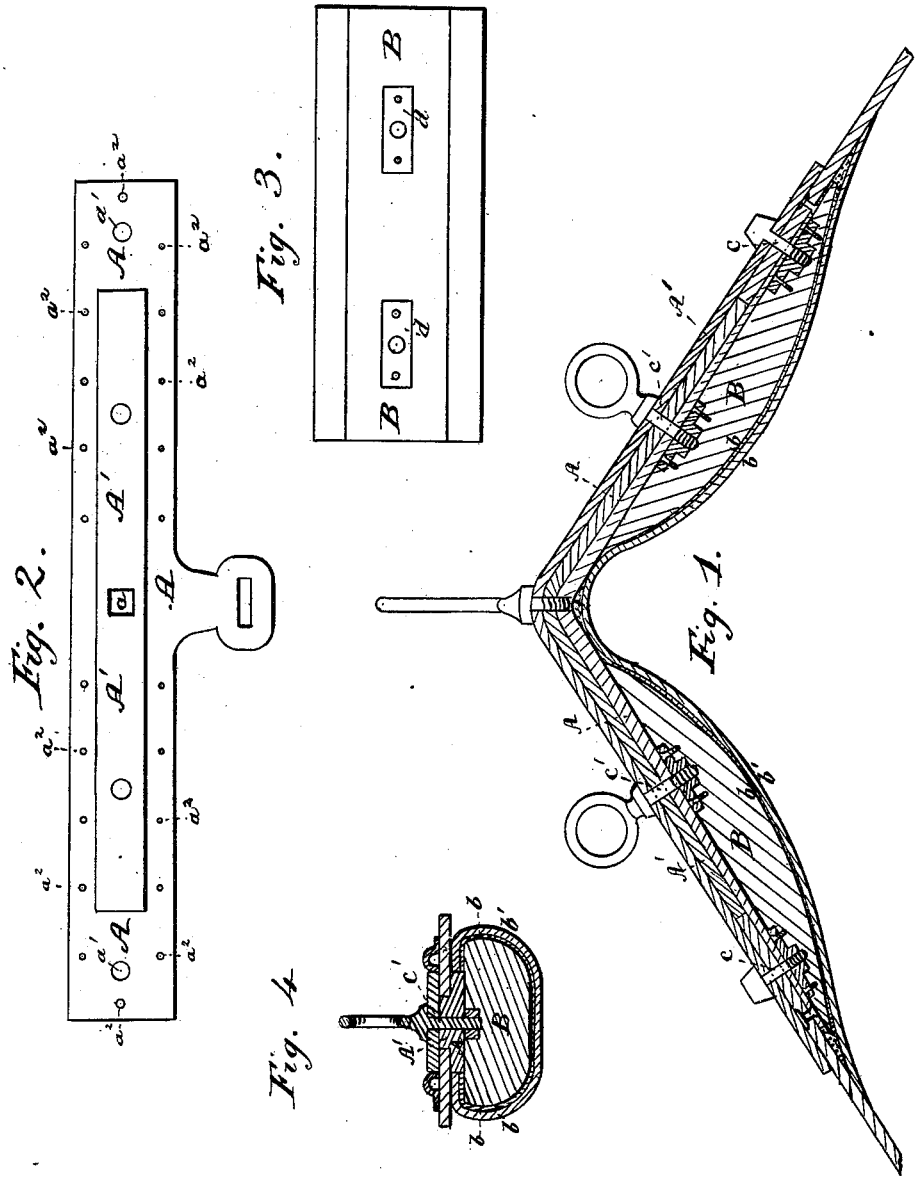
W. L. FRIZZELL.

HARNESS-SADDLE TREE.

No. 191,525. Patented June 5, 1877.



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UNITED STATES PATENT OFFICE.

WILLIAM L. FRIZZELL, OF DAVENPORT, IOWA.

IMPROVEMENT IN HARNESS-SADDLE TREES.

Specification forming part of Letters Patent No. **191,525**, dated June 5, 1877; application filed May 14, 1877.

To all whom it may concern:

Be it known that I, WILLIAM LEWIS FRIZZELL, of Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Saddle-Trees; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure I is a view, in section, of a saddle-tree embodying my invention. Fig. II is a plan or top view of the iron frame. Fig. III is a plan or top view of the pad. Fig. IV is a cross-sectional view on line *x x*, Fig. I.

The object of my invention is to provide a neater and more durable pad for saddle-trees, and a neater and more secure method of fastening the skirts thereto, and a more economical mode of making the housing.

My invention consists of the parts hereinafter more fully described.

The frame of the tree is made of iron in the form shown in Fig. II, and consists of the plates A and A′, which are bent in the manner shown in Fig. I.

The pad is made of a piece of light tough wood, B, covered with a piece of cloth, *b*, saturated with a solution of tar, and over this a covering of leather, *b′*, as shown in Fig. III of the drawing.

In the middle of the iron frame (plates A and A′) a square hole, *a*, is cut for the shank of the water-hook, which is securely riveted, thus holding the plates firmly together. At proper distances from the center the holes a^1 a^1 a^1 a^1 are punched to allow the passage of the screws *c c* and *c′ c′*, as shown in Fig. II. Smaller holes a^2 a^2, &c., are cut in the outer edge of the frame for stitching the housing thereto. In the wooden pieces of the pad the taps *d d* are countersunk, and secured by screws or other suitable means, and receive the screws *c c c′ c′*, and thus firmly fasten the pad to the frame.

The advantages of a saddle-tree made in the manner shown are, first, a pad that will not absorb moisture, forming a poisonous compound to injure the animal's back, and especially when the surface has been chafed and become raw; and, secondly, prevents the screws from pressing through and making sores; and, thirdly, being more firmly secured to the tree-frame, will not turn or be pushed out of place; and, fourthly, the housing can be made more economically, being made of strips instead of a whole piece, and can be sewed on more securely.

Having thus described my invention, I claim—

1. The saddle-tree consisting of frame A A′, having central slot *a* and holes a^1 and a^2, all arranged substantially as shown and described, and for the purpose specified.

2. The harness-saddle composed of the frame A A′, adapted to hold the sectional housing by means of stitches, pad B, screws *c* and *c′*, and taps *d*, arranged and combined as shown and described, and for the purpose specified.

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

WILLIAM LEWIS FRIZZELL.

Witnesses:

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