J. McL. WOOD & W. N. BELLAH.

Iron Saddle-Tree Forks.

No. 219,055. Patented Aug. 26, 1879.

Fig. 1.

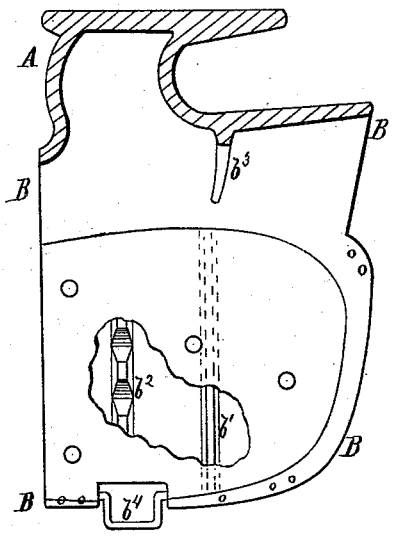


Fig. 2.

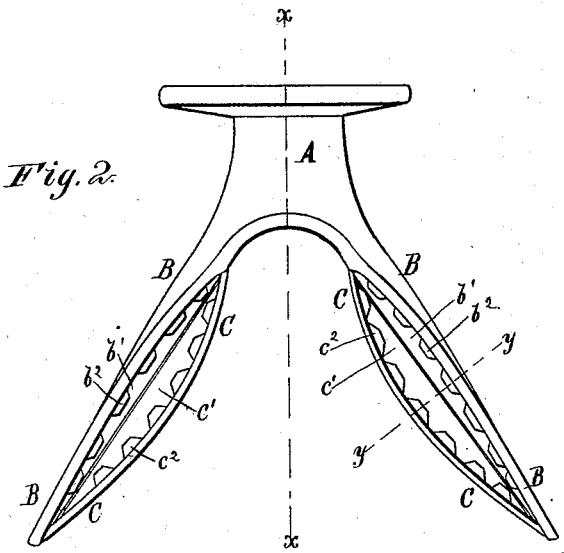
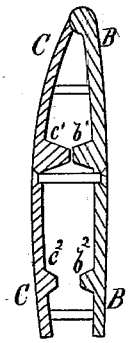


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN McL. WOOD AND WILLIAM N. BELLAH, OF SAINT JO, TEXAS.

IMPROVEMENT IN IRON SADDLE-TREE FORKS.

Specification forming part of Letters Patent No. **219,055**, dated August 26, 1879; application filed July 12, 1879.

To all whom it may concern:

Be it known that we, JOHN MCLANE WOOD and WILLIAM NEWTON BELLAH, of Saint Jo, in the county of Montague and State of Texas, have invented a new and useful Improvement in Iron Saddle-Tree Forks, of which the following is a specification.

Figure 1 is a vertical longitudinal central section of our improved saddle-tree fork, taken through the line *x x*, Fig. 2. Fig. 2 is a rear view of the same. Fig. 3 is a detail section of the same, taken through the line *y y*, Fig. 2.

The object of this invention is to furnish improved iron saddle-tree forks which shall be simple in construction and convenient in use, allowing the saddle to be made easier, quicker, and cheaper than when the ordinary forks are used, and which at the same time shall be light, strong, and durable.

The invention consists in an iron saddle-tree fork formed by the combination of the plates made with a curve or swell, and provided with the plain flanges and the notched flanges, with the arms of the fork having their inner sides recessed and provided with the plain flanges and the notched flanges, and in an iron saddle-tree fork provided with a flange upon the inner surface of its bend, as hereinafter fully described.

Similar letters of reference indicate corresponding parts.

A represents the horn, and B the arms or wings, of the fork. The horn A and its neck are made hollow, and are cast in one piece with the arms B. The inner sides of the arms B are recessed to receive the forward ends of the side bars, which side bars are not shown in the drawings. Upon the inner surface of the recessed parts of the arms B, a little in front of their centers, are formed flanges b^1, and upon the said inner sides, about midway between the flanges b^1 and the rear edges of the said arms, are formed flanges b^2, which are notched or serrated, and are designed to be made sharp, so that they can be pressed into the outer sides of the wooden side bars. C are iron plates of such a size as to fit into the recesses of the arms B, and which are made with a curve or swell to give the proper form to the inner surface of the saddle. Upon the inner surface of the plates C are formed a plain flange, c^1, and a notched or serrated flange, c^2, in such positions as to be directly opposite the corresponding flanges b^1 b^2 of the fork-arms B. The flanges b^1 c^1 are made of such a height that their edges may touch, or nearly touch, when the plates C are secured in place, and are designed to strengthen the fork, and to serve as stops for the forward ends of the side bars to abut against. The notched or serrated flanges b^2 c^2 have sufficient space between them to receive the forward parts of the side bars. The plates C are secured to the arms B of the fork, clamping the forward ends of the side bars by means of rivets, so as to fasten the said parts firmly and securely together.

Upon the inner surface of the bend of the fork, just in front of the horn A, is cast a flange, b^3, to strengthen the said fork and prevent it from breaking at the said bend. The lower edges of the arms B are notched, and are provided with loops b^4, to receive the tie-rigging for girths.

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

1. An iron saddle-tree fork, A B, substantially as shown and described, in combination with the curved plates C, substantially as and for the purpose set forth.

2. An iron saddle-tree fork provided with a flange, b^3, upon the inner surface of its bend, substantially as herein shown and described.

3. The curved plates C, provided with the plain flanges c^1 and the notched flanges c^2, and secured to the forks B by rivets, in combination with the forks B, provided with the plain flanges b^1 and the notched flanges b^2, substantially as and for the purpose set forth.

JOHN MCLANE WOOD.
WILLIAM NEWTON BELLAH.

Witnesses:
JASPER FIELD,
THOMAS D. GARVIN.