

J. R. YOUNG.
Harness-Saddle.

No. 216,251.

Patented June 3, 1879.

Fig. 1.

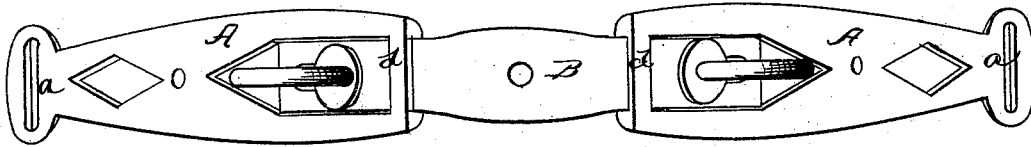


Fig. 2.

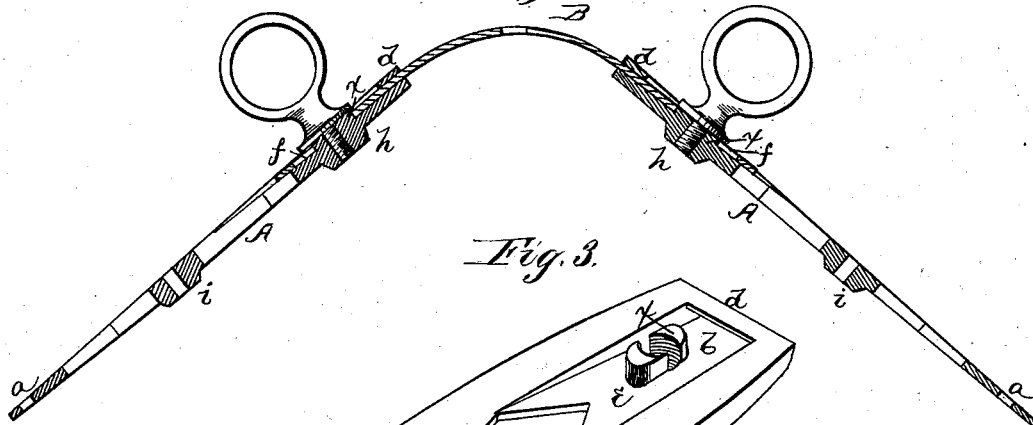


Fig. 3.

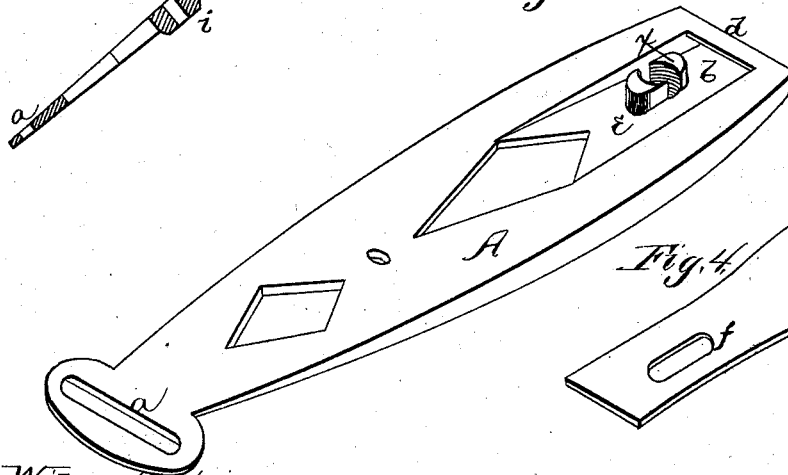
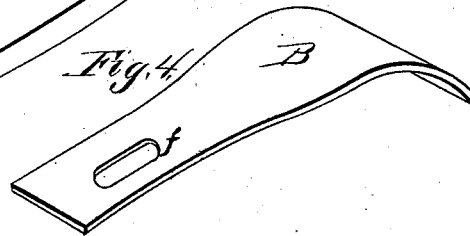


Fig. 4.



Witnesses
Wm. H. Anthony
H. J. Brooks.

Inventor
J. R. Young.
Alexander Elliott
Attorneys.

UNITED STATES PATENT OFFICE.

JESSE R. YOUNG, OF HASTINGS, NEBRASKA.

IMPROVEMENT IN HARNESS-SADDLES.

Specification forming part of Letters Patent No. **216,251**, dated June 3, 1879; application filed March 13, 1879.

To all whom it may concern:

Be it known that I, JESSE R. YOUNG, of Hastings, in the county of Adams and State of Nebraska, have invented certain new and useful Improvements in Harness-Saddles; and I 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 part of this specification.

The nature of my invention consists in the construction and arrangement of a harness-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 drawings, in which—

Figure 1 is a plan view, Fig. 2 is a central longitudinal section, and Figs. 3 and 4 are details, of my invention.

My harness-saddle tree is made of two pieces, A A, connected by a spring, B. Each part A is made substantially in the form shown in the drawings, having at its lower end a transverse slot, *a*, for attaching the skirt. At the upper end is a passage, *b*, with a cross-bar, *d*, over the same, said passage leading into a recess, *e*, in the outer surface of the tree. This recess is made inclined, being deeper at the upper than at the lower end.

The tree-plate A is formed on its under side with projecting bosses *h i*, through which are tapped holes for screwing in the terret and pad-screw. In the recess *e*, adjacent to and above and below the hole for the terret C, are projections *x x*, which are of the same height as the sides of the tree.

The spring B is formed at each end with a slot, *f*. The end of the spring B is passed into the recess *e* at *b* under the cross-bar *d*, the slot *f* in the spring passing over the projections *x x*, and the spring being fastened by screwing in the terret C.

The tree-plates A A are to be made of malleable iron, and the spring B should be light enough to allow it to spring, so as to fit any sized horse, and, being adjustable, it is entirely free from any liability of injuring the horse's back.

The slots in the ends of the spring prevent breakage in case of horses rolling, &c.

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

1. In a harness-saddle tree, the connecting-spring B, constructed with slots *f f*, in combination with tree-plates A A, formed with projections *x x*, substantially as herein set forth.

2. In a harness-saddle, the tree-plate A, formed with the slot *a*, passage *b*, cross-bar *d*, recess *e*, tapped bosses *h i*, and projections *x x*, substantially as and for the purposes herein set forth.

3. The combination of the tree-plates A A, each formed with the recess *e*, passage *b*, cross-bar *d*, and projections *x x*, the spring B, having elongated slot *f*, and the terret C, 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.

JESSE R. YOUNG.

Witnesses:

CHAS. C. GRAHAM,
GEO. F. WORK.