

Algernon Gilliam.

Improved Saddle.

PATENTED JUL 11 1871

116946

Fig: 1.

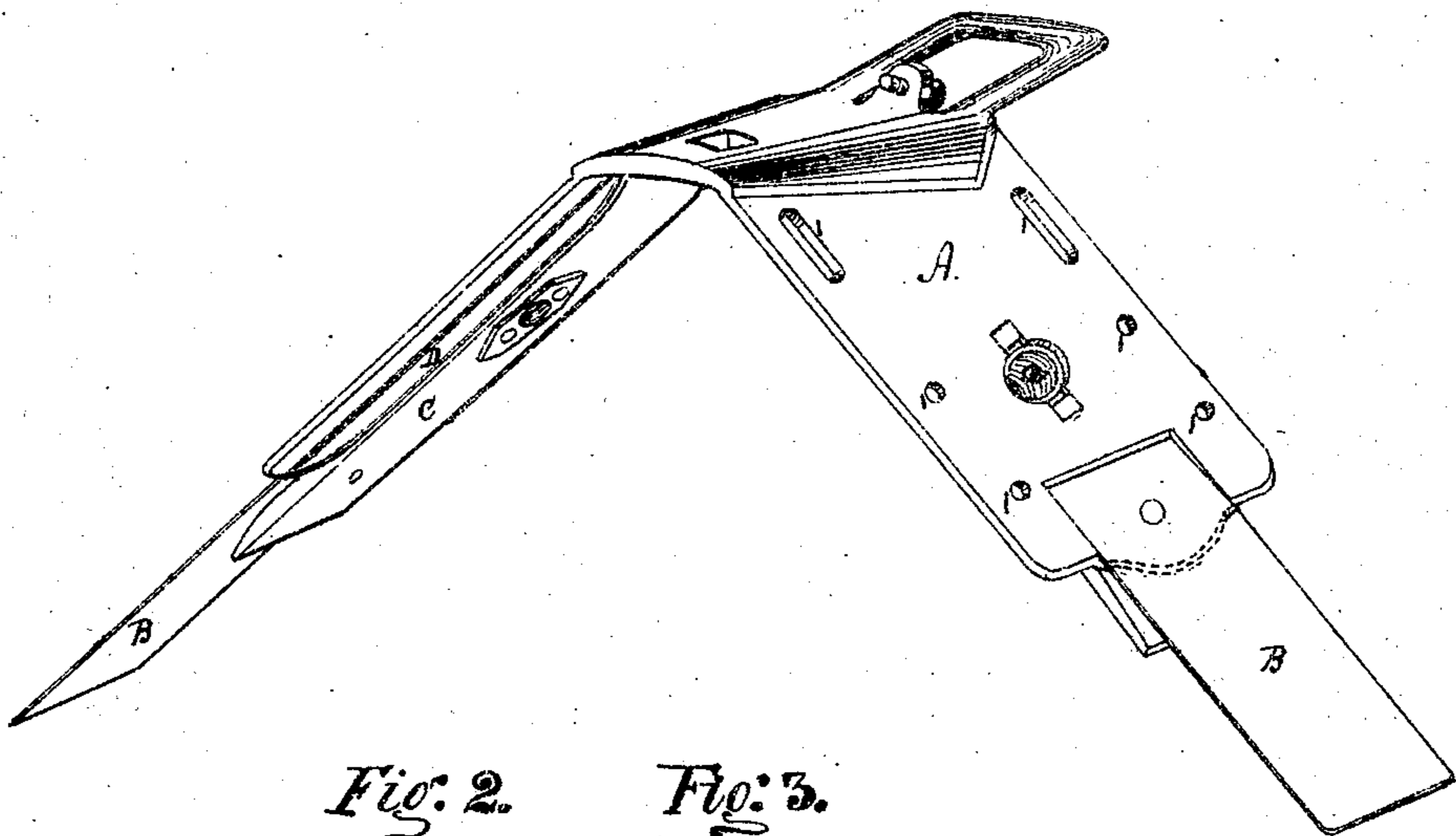
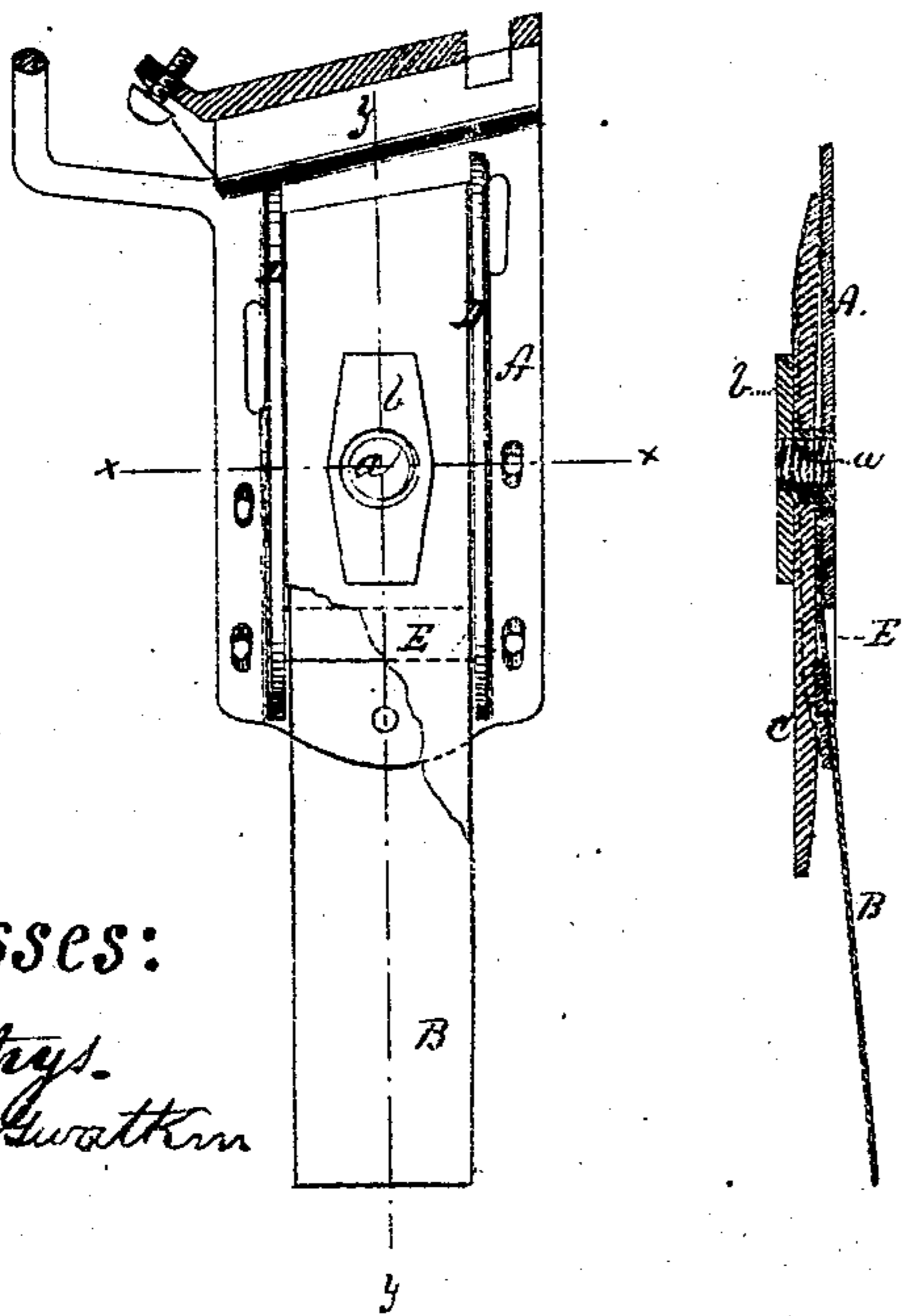


Fig: 2.

Fig: 3.

Fig: 4.



Witnesses:

G. Matthey.
L. Oley Swatkin

Inventor:

Algernon Gilliam,
by J. F. James,
his atty.

UNITED STATES PATENT OFFICE.

ALGERNON GILLIAM, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN HARNESS-SADDLES.

Specification forming part of Letters Patent No. 116,946, dated July 11, 1871.

To all whom it may concern:

Be it known that I, ALGERNON GILLIAM, of the city of Pittsburg and State of Pennsylvania, have invented a new and useful Improvement in Harness-Saddles; and I do hereby declare the following to be a true and correct description of the construction and operation of the same, reference being had to the annexed drawing making a part and parcel of this my specification.

The nature of my invention consists in the construction of a saddle-tree that shall contain greater elements of strength and ease of adjustment of straps or stiffeners, and a spring to retain in a proper position the skirting of the saddle by means of suitable flanges formed upon the under side of the saddle-tree, within which are contained the leather stiffener or straps and the spring aforesaid; also forming a slot upon the lower projecting ends of such saddle-tree, through which the spring is inserted before it enters or is secured within the flanges formed upon the inner side of the tree of the saddle.

In order to enable others skilled in the art to make and use this my invention, I will proceed to describe the same.

In the drawing, Figure 1 represents a front view of my invention; Fig. 2, an under-side view; Fig. 3, a sectional view through line *y y* Fig. 2; and Fig 4, a cross-sectional view through line *x x*, Fig. 2.

The letters in each of the figures represent the same parts.

A is the saddle-tree, and has formed upon its inner or under surface the flanges D D. As this tree is metallic the whole can be cast at one and the same operation, and the said flanges may extend around the entire under side of the saddle-tree. The flanges are designed to and in practice greatly strengthen the tree, which, as now

commonly made, have depressions in the upper side nearly the whole width of the saddle-tree, and prevent a smooth and even finish to the covering of the same with leather without great care and trouble. These flanges are made of sufficient depth to admit of the reception of a leather belt or stiffener and a steel spring, the latter passing through the slot E formed upon the saddle-tree into and between the flanges D D. The whole is fastened by means of a screw-plate, *a*, riveted or otherwise attached to the saddle-tree, into which screw-plates are adjusted the rings or terrets through which the reins pass. The leather stiffener and the spring heretofore referred to tend to keep and do so keep the leather skirting of the saddle-tree in its proper position.

By this arrangement the saddle is less liable to get out of repair from any ordinary or careless use of the same, and all the parts are greatly strengthened.

The holes 1 1 1, &c., are used for the purpose of securing the covering of the saddle by rivets, screws, or other suitable means.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a harness saddle-tree, the flanges D D formed upon the inner side thereof, in the manner and for the purposes herein set forth.

2. The combination of the spring or plate B with the slot E formed in a saddle-tree, and the flanges D D, in the manner and for the purposes herein set forth.

3. The combination and arrangement, as herein described, of the straps or stiffener C, spring B, and saddle-tree with its flanges and slots, in the manner and for the purpose herein set forth.

ALGERNON GILLIAM.

Witnesses:

EDM. F. BROWN,
B. F. JAMES.