

W. THOMPSON.
HARNESS-SADDLE PAD.

No. 187,568.

Patented Feb. 20, 1877.

Fig. 1.

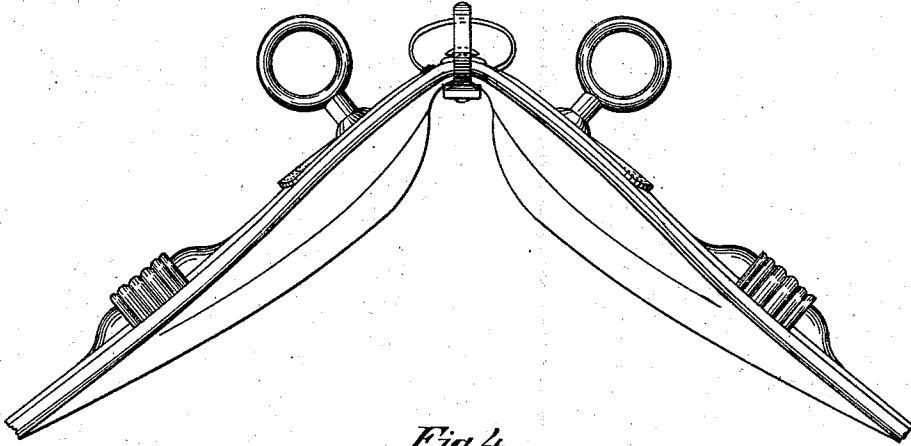


Fig. 4.

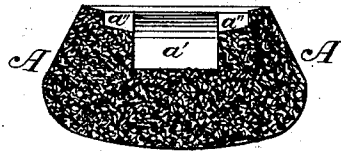


Fig. 3.

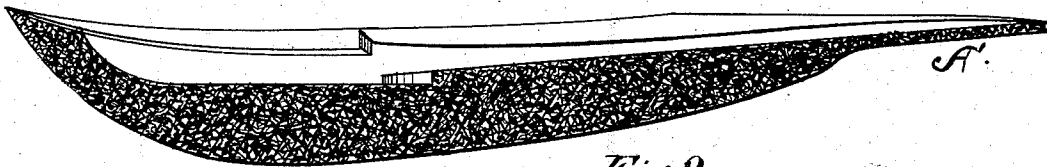
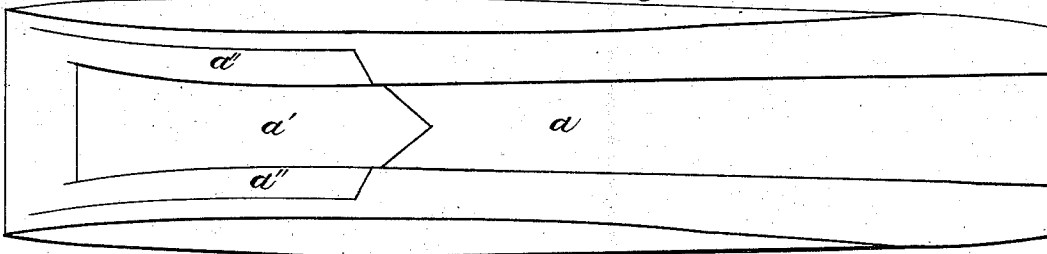


Fig. 2.



Attest:

H. H. Schott
D. R. Cowe

A

Inventor:

William Thompson.
By A. Cranford atty.

UNITED STATES PATENT OFFICE.

WILLIAM THOMPSON, OF MATTEAWAN, NEW YORK.

IMPROVEMENT IN HARNESS-SADDLE PADS.

Specification forming part of Letters Patent No. 187,568, dated February 20, 1877; application filed August 7, 1876.

To all whom it may concern :

Be it known that I, WILLIAM THOMPSON, of Matteawan, in the county of Dutchess, in the State of New York, have made certain Improvements in Pads for Harness-Saddles, of which the following is a specification :

The invention consists in a molded pad of sponge rubber, vulcanized on the outside, as will be fully hereinafter described.

In the drawings, Figure 1 represents the pad secured to the saddle; Fig. 2, a top view of the pad; Fig. 3, a longitudinal sectional view, and Fig. 4 a transverse sectional view, of the same.

A represents the pad of sponge-rubber, molded to the form necessary to fit the saddle-tree, and vulcanized upon its outer surface. *a*, *a'*, and *a''* represent indentations in the molded pad of sponge-rubber, to fit the projections necessary on the under side of the saddle-tree, such as the screw-nuts, to hold the terrets firmly to the saddle.

The vulcanization of the sponge-rubber on the outside, which is accomplished by any of the known processes, prevents any moisture from penetrating the interior or sponge portion of the pad; hence the pad is not only impervious, but very elastic or yielding, and tapering to a thin flexible lower or outer end, *A'*, so that it will yield to the form of the back of the horse, whether the horse's back be angular or curved in form, poor in flesh or

fat, and supports the skirts of the saddle from breaking or cracking at the lower extremity thereof. It is formed in molds differing in size, each size to be known by a definite number, to correspond with the size number of the saddle-trees in the market.

The harness-maker has no labor to perform in stuffing the pads when this molded pad is used, as the pad is affixed by inclosing it in a covering, and attaching the covering to the saddle in the ordinary way.

This molded pad is, from its spongy nature, very easy on the back of the horse, is very durable, and not expensive, as the molded article is light on account of its porosity, and as a new article of manufacture would supply a want that has long existed in the manufacture of pads stuffed with hair, cork, chip-rubber, or other substances commonly used in stuffing the pads, and, being formed to fit the saddle-tree perfectly, they cannot get out of place.

Having thus described my invention, what I claim is—

A molded harness-pad, the body of which is sponge-rubber covered by a thin film or coating of vulcanized rubber, substantially as and for the purpose described.

WILLIAM THOMPSON.

Witnesses:

J. D. WEBB,
C. H. ROWE.