

*T. Glasco,
Harness Saddle,*

N^o 5,795.

Patented Sep. 19, 1848.

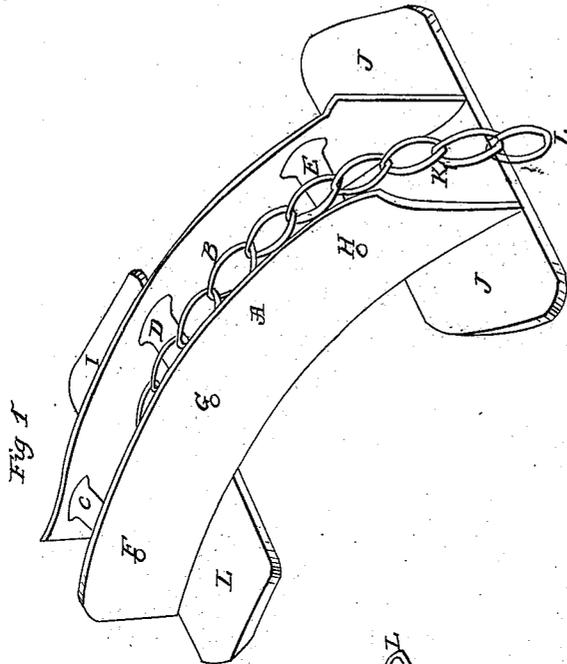
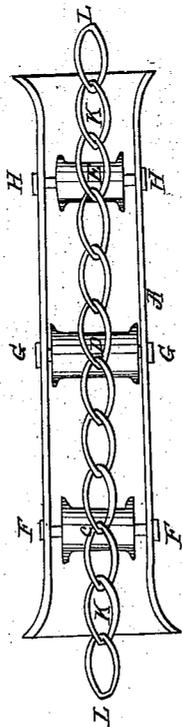


Fig 2.



*Witnesses,
J. P. Fairbanks
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UNITED STATES PATENT OFFICE.

THOMAS GLASCO, OF WILMINGTON, DELAWARE.

SADDLETREE FOR CARTS.

Specification of Letters Patent No. 5,795, dated September 19, 1848.

To all whom it may concern:

Be it known that I, THOMAS GLASCO, of the city of Wilmington, in the county of New Castle and State of Delaware, have invented a new and useful Improvement in the Construction of Saddletrees for Shaft-Horses' Saddles for Carts, Drays, and Wagons, and I do declare that the following is a full and exact description.

10 I construct a saddle tree with vertical flanches (A B Figures 1 and 2) to the top or back piece forming a groove (K Figs. 1 and 2) between said flanches and open upward from the back piece, (K Figs. 1 and 2) and forming said groove. I attach said back piece at each end thereof to side plates (L and J, Fig. 1,) to rest upon the common pad on each side of the horse's back bone, lengthwise of the horse, similar to the common cart, dray, and wagon shaft horse saddles, the said back piece (K Figs. 1 and 2) with the said flanches (A, B, Figs. 1 and 2) forming said groove (K Figs. 1 and 2, being also the bottom of said groove) I make by preference of cast iron, and the said side plates (I and J, Fig. 1) I make by preference of wood, I construct three or more concave rollers (C, D, E, Figs. 1 and 2) to operate in and revolve crosswise in said groove (K, Figs. 1 and 2,) upon journals or center pins (F, G, H, Figs. 1 and 2,) which journals or center pins I pass through the center of said rollers from the one of said flanches to the other flanch, and fasten said journals at each end thereof in the said flanches A and B, Figs. 1 and 2, so as the said roller

will revolve freely upon the said journals or center pins, by the action of a back chain (L Figs. 1 and 2) which back chain I pass over said rollers, and attach the ends of to the shafts in the common way. I construct the said two end rollers (C and E, Figs. 1 and 2,) short enough to vibrate or slide endwise across said groove by the action of the horse, back, chain, and shafts each roller about three-quarters of an inch backward and forward.

The nature and operation of my said improvement is as follows: By the more easy movement of the said back chain upon said rollers, than in the common way, the shaft horse is relieved from the usual side and sudden pressures, caused by the movements of the shafts the one shaft up and the other down in consequence of unevenness of the ground over which the wheels of the carriage are liable to pass, and by the vibrations or slidings of the aforesaid end rollers, the horse's back is relieved from the usual rubbing of the saddle when turning and when the horse by his common motion is at work.

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

The friction rollers C and E so constructed as to slide on their axes in the manner and for the purpose described and represented.

THOMAS GLASCO.

Witnesses:

J. P. FAIRLAMB,

WILLIAM H. GORDON.