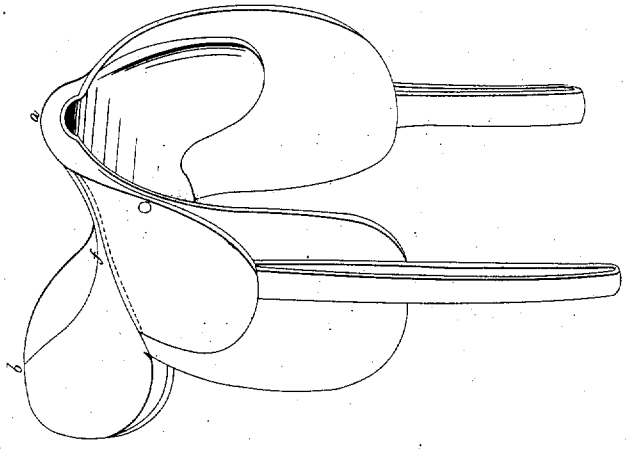
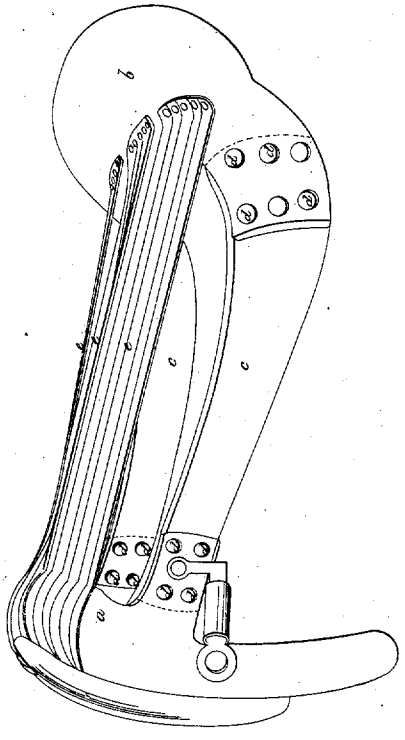
8011X

R. Harrison,

Riding Saddle,

Patented Feb. 11, 1834.





N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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Richard Harrison. an alien. New York

Letters Patent

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Richard Harrison himself of his improvement in manufacturing Spring Riding Saddles.

To all to whom these Presents shall come. Be it known that I Richard Harrison an alien a subject of the King of Great Britain but for more than two years past a resident within the United States and now of the City County and State of New York have invented a new and useful improvement in the mode of manufacturing Spring Riding Saddles: and that the following is a full and exact description of the construction and operation of the said improved Spring Saddle as improved by me. Which I call Harrisons Patent Whale bone Spring Riding Saddle. The external shape and appearance of the saddle are not changed by my improvement. My improvement consists in substituting in that part of the saddle tree or frame which is called the bars of the saddle whale bone springs or bars in the place of steel or other springs or bars or in the place of other wooden sides or bars of the common Pad Saddle.

The patent Whale Bone Spring riding saddle may be manufactured in the following manner to wit' Take the tree or frame of the common pad Riding Saddle and cut out of it the bars or sides leaving only the head of the saddle tree and the back part of the frame called the cantle retaining a sufficient portion of that part of the bars or sides of the frame near the cantle which is called the belly of the saddle to give the saddle its usual circular form and shape. In the places of the bars or sides of the saddle tree so removed and in lieu of steel or other springs substitute bars of Whale bone fastening the Whale bone bars at each end firmly to the sides of the head and cantle of the saddle by screws rivets or other suitable fastenings placing the Whale bone bars as nearly as possible in the places of the wooden bars which have been removed. These Whale Bone bars should be in saddles of the ordinary size from about twelve to thirteen inches in length and about three fourths of an inch and about half an inch in thickness and it is preferable to

have each bar or spring made of one entire piece of whalebone although the springs may be made of pieces or layers. These proportions may be varied somewhat according to the size and strength requisite in the saddle to be constructed. A suitable number of strips of webbing are then attached to the frame or bed thus made the webbing running and being sufficiently light by from the head or front of the saddle to the cantle or under part so that when a person is seated on the saddle the weight produced thereby acting upon the webbing so attached to the head and cantle of the saddle causes the whalebone bars and springs to act and recoil by the motion of the Horse. Thus affording by their elasticity great ease to the Horse and rider. The size and proportions of the parts of the saddle may be varied as convenience may require. The saddle is covered and finished in the manner of the ordinary spring and other Riding Saddles — The Patent whalebone spring Saddle may be constructed also in another manner by making the head of the saddle bed and also the cantle or back part of the bed in separate parts or pieces and connecting them by the whalebone bars or springs of suitable size in the manner above described.

The advantage of the Patent whalebone Spring Riding Saddle consists in its not being liable to rust or loose its elasticity as is the case with the steel spring Saddle; in its being consequently more durable and economical in its first cost and compact to the rider and horse, and from its permanent elastic qualities not being liable to break or become stiff and hard as is the case with the steel spring and the common pad saddle.

What I claim particularly and solely as my improvement and invention consists in the substitution of whalebone bars or springs in the bed or frame of the saddle in the place of wood. Steel springs &c. as heretofore used in riding saddles — In testimony that the above is a true specification of my said improvement as above described I have hereunto set my hand at the City of New York this 21st day of August in the year of our Lord 1838.

Richard Harrison.

Witnesses
John N Raymond
John B Staples

Enrolled.