(No Model.)

F. A. WITTICH.

SIDE PIECE FOR CARRIAGE BOWS.

No. 259,785. Patented June 20, 1882.

Fig. 1.

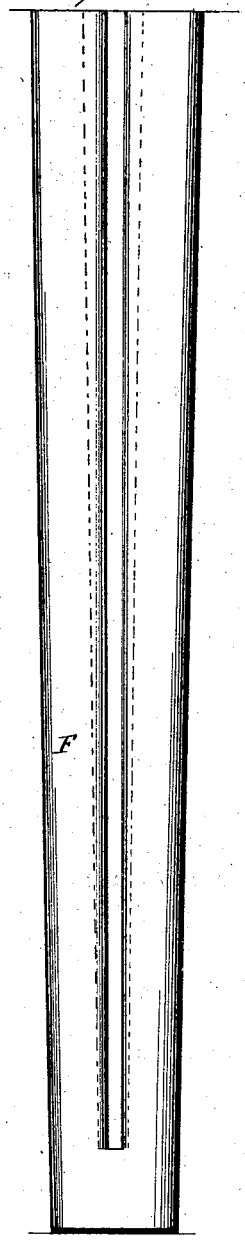


Fig. 2.

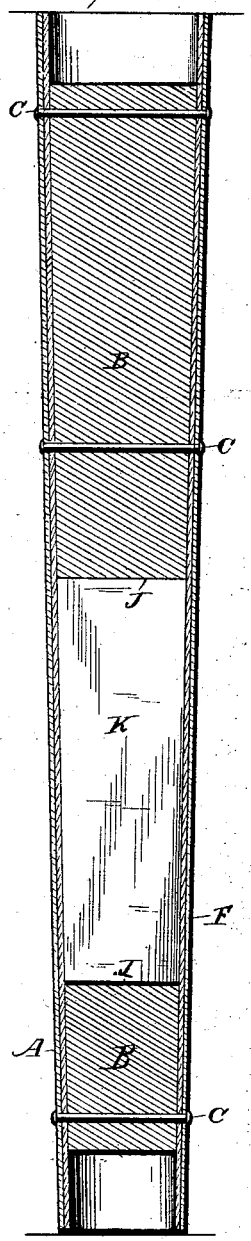


Fig. 3.

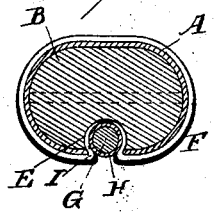
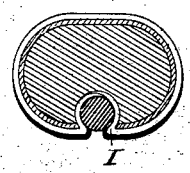


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

FREDERIC A. WITTICH, OF ASHTABULA, OHIO, ASSIGNOR OF TWO-THIRDS TO RUFUS B. BULLOCK AND WILLIAM HUBBARD, BOTH OF SAME PLACE.

SIDE PIECE FOR CARRIAGE-BOWS.

SPECIFICATION forming part of Letters Patent No. 259,785, dated June 20, 1882.

Application filed March 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC A. WITTICH, of Ashtabula, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Side Pieces for Carriage-Bows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to an improvement in side pieces for carriage-bows, and more particularly to that class thereof wherein a stiff metallic casing is provided with a filler of wood, the object of the invention being to provide an improved form of casing.

A further object of the invention is to secure the filler within the casing in an improved manner.

A further object of the invention is to provide improved means for stiffening the side piece at that point which rests upon the prop when the carriage-top is down.

A further object of the invention is to attach the cover which surrounds the casing to the wooden filler thereof by improved and novel means.

With these objects in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of a side piece for carriage-bows constructed in accordance with my invention, the dotted lines in this figure representing the opposing edges of the casing. Fig. 2 is a view in longitudinal cross-section taken through the longest axis of my improved side piece. Fig. 3 is a view in transverse cross-section thereof, and Fig. 4 is a similar view of a modified form of my improvement.

A represents a metallic casing, tapering in general contour and of oval form in transverse cross-section. This casing is formed by appropriately manipulating a suitable blank, the edges of which are brought in opposition on one side of the oval figure formed. Said edges, which are quite widely apart at the upper and larger end of the casing, being gradually converged, are joined near the lower end thereof, or, in other words, at that point near the lower end thereof where the wooden filler B terminates. The said filler, which corresponds in shape with the shape of the casing, is secured within the same by rivets C, or screws or other equivalent devices, which traverse the longest axis of the casing. The lower end of this filler terminates, as before described, at that point near the lower and smaller end of the casing where the edges thereof meet, while its upper end terminates at a point sufficiently within the larger end of the casing to permit the curved portion of the carriage-bow to be inserted into it, the slat-iron D being brazed, soldered, or otherwise secured to the lower end of the casing.

That portion of the filler B which is included between the opposing edges of the casing is traversed by a groove, E, adapted to receive the opposite edges of the leather or canvas cover F, said edges being held in position by means of a wooden key, G, which is inserted into the groove from its upper end. This key is preferably inclosed within a metal case, H, as shown in Fig. 3 of the drawings; but the metal case may be omitted, if desired, an uncased key being shown in Fig. 4 of the drawings. Again, the key may be dispensed with altogether and a metal rod or wire employed in its stead. It must also be apparent that both the groove and key may be varied in shape so long as a form is employed which will constitute a lock, as the approaching edges I of the filler do in the construction shown.

The invention may be still further modified by employing an open groove and securing the key in it by means of staples or equivalent locking devices.

In order to stiffen the side pieces at that point thereof which rests upon the prop when the carriage-top is down, the filler B is provided with a slot, J, into which a strip of metal, K, is inserted. The said slot J, which extends through the longest axis of the filler, is formed in that part thereof which receives the strain due to the weight of the carriage-top upon the side piece. The metal strip K is so shaped that its sides are flush with the

edges of the slot and impinge against opposite sides of the inner face of the casing.

While an oval form of side piece is generally preferable, my invention comprehends the construction of circular ones as well. I would therefore have it understood that I do not limit myself to the exact construction shown and described, but that I hold myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination, with a casing formed from a single piece of sheel metal, the edges of said casing being separated at its upper end and converged and joined near its lower end, of a filler secured in position by rivets, the edges of the casing being free.

2. The combination, with a casing oval in cross-section and formed from a single piece of metal, the edges of said casing, which are brought in opposition on one side thereof, being separated at its upper end and converged and joined near its lower end, of a filler located in the casing, and rivets extending through the longer of the transverse axes of the casing and filler to secure the latter in position and to hold the side walls of the casing together, substantially as set forth.

3. The combination, with a casing formed from a single piece of metal, the opposing edges of which are separated, of a filler located in the casing and traversed by a groove, a flexible cover encircling the casing, the edges of the said cover being inserted in the groove in the filler through the opening between the separated edges of the casing, and a key inserted in the groove to retain the edges of the cover therein, said key being locked in position by the form of the groove.

4. The combination, with a casing, of a filler located in it and traversed by a groove, a flexible cover encircling the casing, the edges of the cover being received in said groove, and a key inclosed in a metallic case and adapted to fit in the groove, the approaching outer walls of which lock it in place.

5. In a side piece, the combination, with an oval casing formed from a single piece of sheet metal, the edges of said casing, which are brought in opposition on one side thereof, being separated at its upper end and converged and joined near its lower end, of a filler secured in said casing and having a slot extending through the longer of its transverse axes, said slot being located at that point where the side piece rests upon the prop, and a short piece of steel inserted in the slot in the filler and impinging on the opposite inner walls of the casing, substantially as and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FREDERIC A. WITTICH.

Witnesses:
WILLIAM HUBBARD,
EDGAR HALL.