J. J. PANCOST.

WHIFFLETREE-ATTACHMENT.

No. 193,776. Patented July 31, 1877.

Fig. 1.

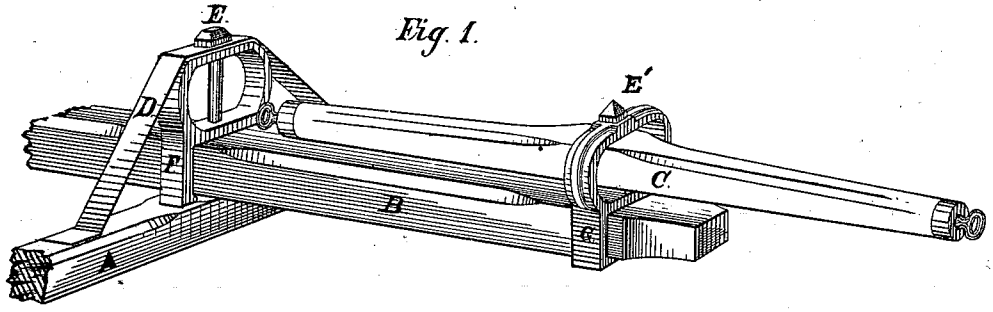
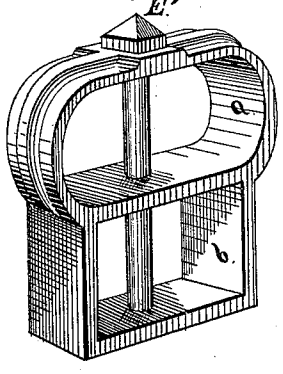


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN J. PANCOST, OF SAYBROOK, OHIO.

IMPROVEMENT IN WHIFFLETREE ATTACHMENTS.

Specification forming part of Letters Patent No. **193,776**, dated July 31, 1877; application filed May 26, 1877.

To all whom it may concern:

Be it known that I, JOHN J. PANCOST, of Saybrook, in the county of Ashtabula and State of Ohio, have invented a new and Improved Whiffletree and Evener Attachment; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a front view; Fig. 2, a view of frame detached.

My invention relates to certain improvements in whiffletree bars and eveners, to be attached to wagons and carriages.

My improvements consist in the particular construction and arrangement of the frame for holding the evener-bar, and that for holding the whiffletree, together with the band passing over the central brace, thereby giving additional strength, raising the upper bearing to sufficient height above the evener to reduce friction on the pin and its bearings.

In the accompanying drawings, A represents the pole of a carriage or wagon. B is the evener of the ordinary description, fitted into the lower portions of the two iron frames F and G, held by pins E and E′. C is the whiffletree passing through the upper portion of the frame G, and held in place by the pin E′. D is the brace, of iron, fastened at its opposite ends to the pole A, and passing over the frame F to give additional strength and relieve the pin E from strain, and to bring the draft in the same direction at both bearings, thereby greatly obviating the tendency to twist or roll, the advantage being in the adaptability of a lighter pin, as bearings are above evener, and equalized.

In Fig. 2, *a* is the upper section of the frame for holding the whiffletree. *b* the lower, in the form shown, for fitting on the end of evener-bar. The upper section is of sufficient width to allow the play to and fro of the whiffletree on its bearings.

The frames in the form shown may be made of any suitable material—preferably of malleable iron.

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

1. The combination, with the pole A, of the double cast-iron frame F, resting on such pole, the evener B, passing through the lower section of the said frame, the pin E, and the brace D, constructed and arranged substantially as described and shown.

2. The combination, with the pole A and evener B, of the double frame F, pin E, and brace D, the whiffletree C, frame G, and pin E′, all constructed and arranged substantially as described and shown.

This specification signed and witnessed this 19th day of April, 1877.

JOHN J. PANCOST.

Witnesses:

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