(Model.)

R. E. LINDSAY.

TRACE FASTENER.

No. 301,612. Patented July 8, 1884.

Fig. 1.

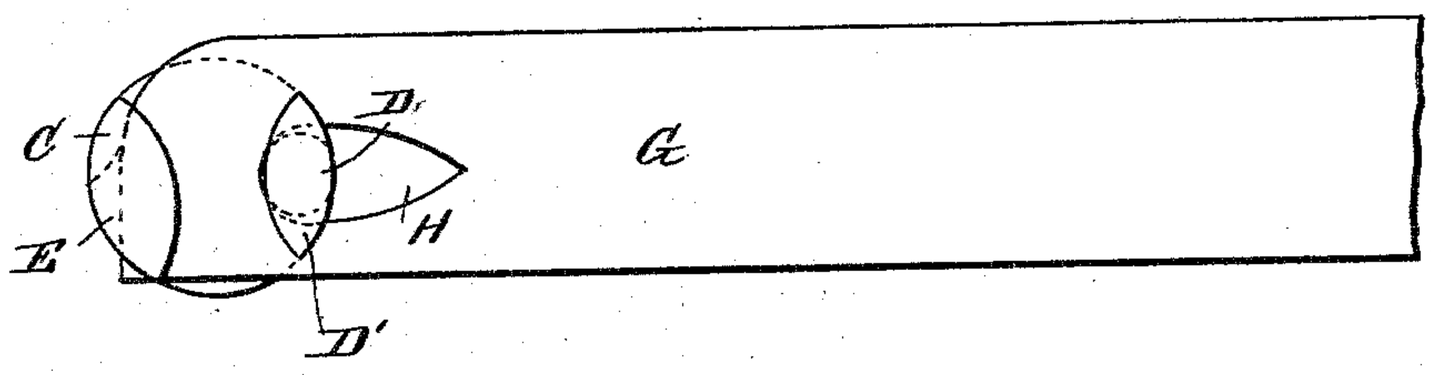


Fig. 2.

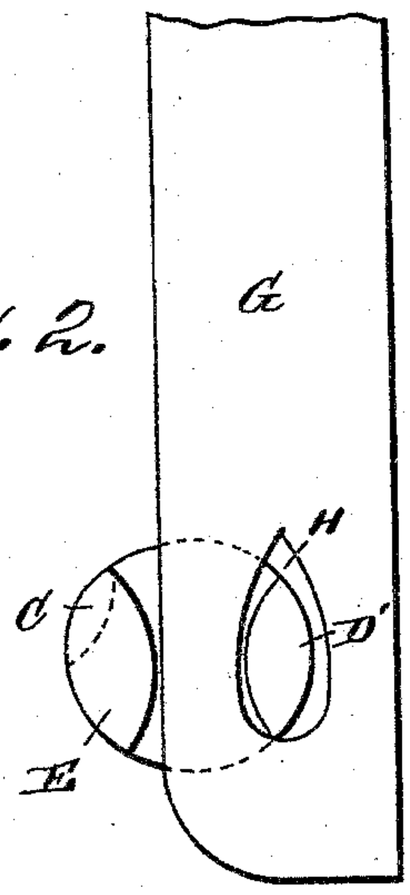


Fig. 3.

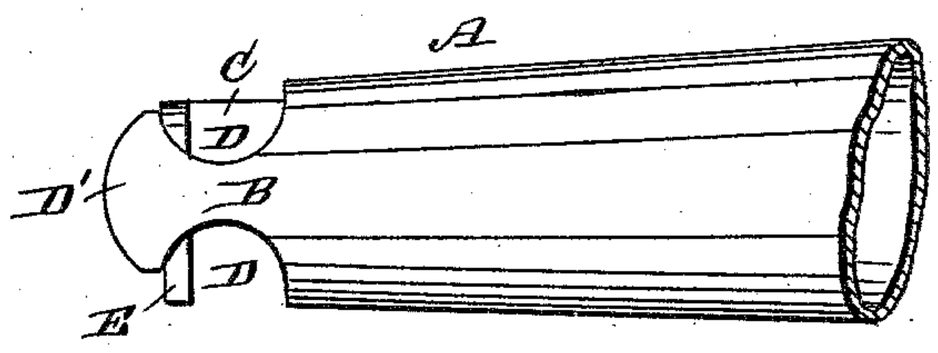
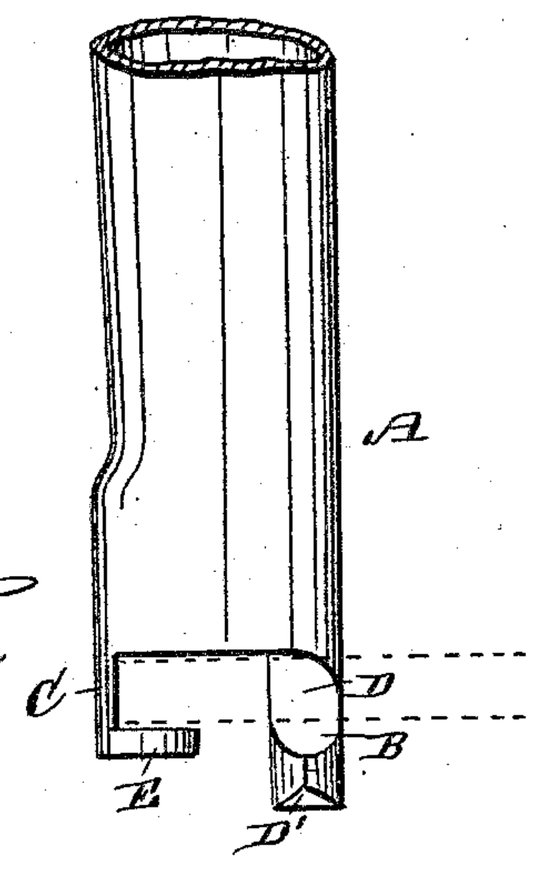


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RALPH EDWIN LINDSAY, OF NEILLSVILLE, WISCONSIN.

TRACE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 301,612, dated July 8, 1884.

Application filed March 31, 1884. (Model.)

To all whom it may concern:

Be it known that I, RALPH E. LINDSAY, of Neillsville, Clark county, Wisconsin, have invented a new and Improved Trace-Fastener, of which the following is a full, clear, and exact description.

The object of my invention is to facilitate fastening the end of a tug or trace on the end of a single-tree or unfastening the tug or trace, and also to hold the trace securely.

The invention consists in a ferrule fitting on the end of the single-tree and provided on its end with two flanged prongs, of which the front one is provided with an upright flange and the rear prong is provided with a flange parallel with the end of the ferrule.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figures 1 and 2 are end views of the trace-fastener, showing the trace in two different positions. Fig. 3 is a front view of the same, and Fig. 4 is a plan view of the same.

A ferrule, A, fitting on the end of the single-tree, is provided on its end with two prongs, B C, of which the former is arranged at the front of the end of the ferrule and the latter is arranged at the rear of the end of the ferrule. The prong B is provided in its top and bottom edge with a recess, D, forming a vertical end flange, D′, on the said prong. The prong C is provided on its outer end with a flange, E, parallel with the end of the ferrule, and projecting downward and toward the front. The prong C is arranged slightly above the transverse central line, and is slightly inclined to the vertical axis.

The trace or tug G is provided at its rear end with a longitudinal slot or eye, H, tapered toward the ends, as is also the outer end of the prong B. The outer edges of the flanges E and D′ are flush with the surface of the ferrule. If the tug G is in the position shown in Fig. 2, the flange D′ can be passed through the eye H, as shown in Fig. 2, and if then the tug G is swung down, the flange D′ extends transversely across the eye or slot H and the flange E overlaps the outer surface of the trace or tug, as shown in Fig. 1, and the end edge of the tug or trace rests against the inner surface of the prong C. The tug or trace is thus held securely on the end of the ferrule.

The trace can easily be secured on the ferrule or detached from the same. No springs, latches, or other movable parts are required, and the device is not apt to get out of order.

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

A trace or tug fastening consisting of a ferrule provided at its end with a prong, B, having an upright flange, D′, and a prong, C, provided with a flange, E, parallel with the end of the ferrule, substantially as herein shown and described.

RALPH EDWIN LINDSAY.

Witnesses:
G. R. KLOPF,
R. DEWHURST.