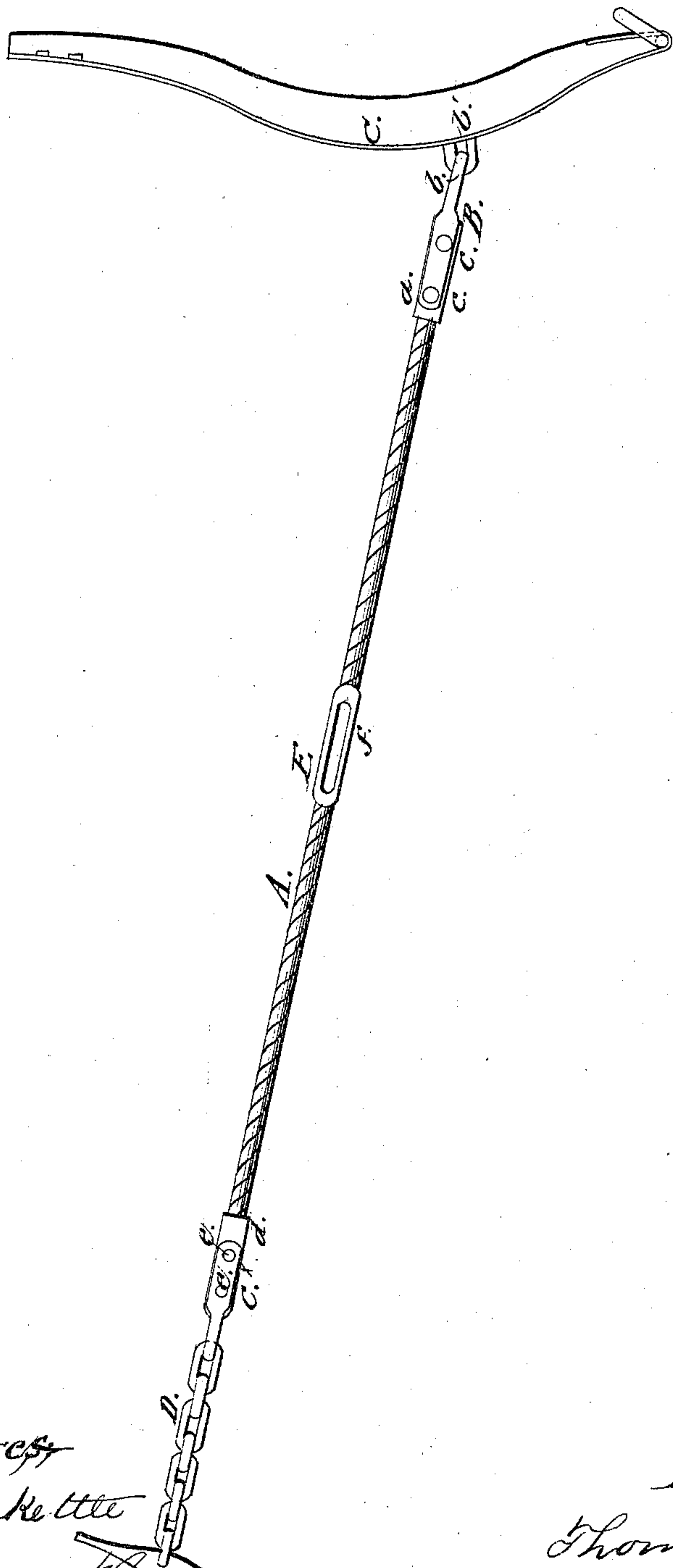


T. Newman,

Rope Trace.

No. 78,757.

Patented June 9. 1868.



Witnesses:

W. C. Ashkettle

J. A. Fraser.

Inventor:

Thomas Newman

*per Munn & Co.
attorneys*

UNITED STATES PATENT OFFICE.

THOMAS NEWMAN, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN ROPE TRACES.

Specification forming part of Letters Patent No. 78,757, dated June 9, 1868.

To all whom it may concern:

Be it known that I, THOMAS NEWMAN, of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Improvement in Rope Traces; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in rope traces for harnesses; and it consists in a novel manner of securing the clips to the trace, as hereinafter fully shown and described, whereby firm connections of the trace with the collar, hames, and whiffletrees are obtained, and the trace adapted for all kinds of harnesses.

The accompanying drawing represents a side view of my improved trace attached to a hame.

A represents the trace, which is constructed of Manila or hemp rope of any suitable size. On the front end of this rope there is fitted a piece of leather, *a*, and the end of the rope, with this leather around it, is inserted in a metal clip, B, which has an eye, *b*, at its outer end, said eye passing through a similar eye, *b'*, on the hames C. The clip B is secured to the rope by rivets *c*, which pass through the clip, leather, and rope. The leather *a* is the means whereby the clip is enabled to be firmly secured to the rope, and the leather may be sewed or stitched around the rope, if desired, before being inserted into the clip.

To the rear end of the rope a similar metal clip, C^x, is attached in the same way, *d* representing the leather, and *e* the rivets. This clip has a chain, D, connected to it, for securing the trace to the whiffletree; and to the rope, a short distance back from its front end, there is attached a metal clip, E, having a staple, *f*, applied to it, to secure a back-band to the trace. A back-band is not required in all cases, and when not required the clip E may be dispensed with.

By this simple means a rope trace may be adapted for use, and made to have a good appearance for all harnesses, even those constructed for pleasure-vehicles. The great difficulty hitherto experienced in the use of rope traces has been the attaching of them to the collar, hames, and whiffletrees in a neat manner, and so as to have secure or reliable connections. Loops have been formed with splices, and knots have been made or tied; but this mode of fastening has a very uncouth appearance, and hence rope traces are now only occasionally used with draft-horses, and the most common kinds of harnesses.

I claim as new and desire to secure by Letters Patent—

In combination with the rope trace A, the leather coverings, metallic clips B, C^x, and E, and the chain D, all arranged as described, for the purpose specified.

THOS. NEWMAN.

Witnesses:

ALBERT COOLIDGE,
P. A. CONOUD.