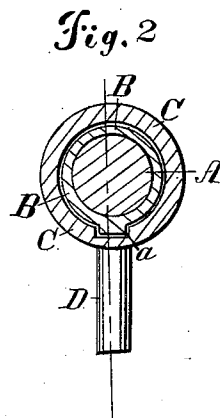
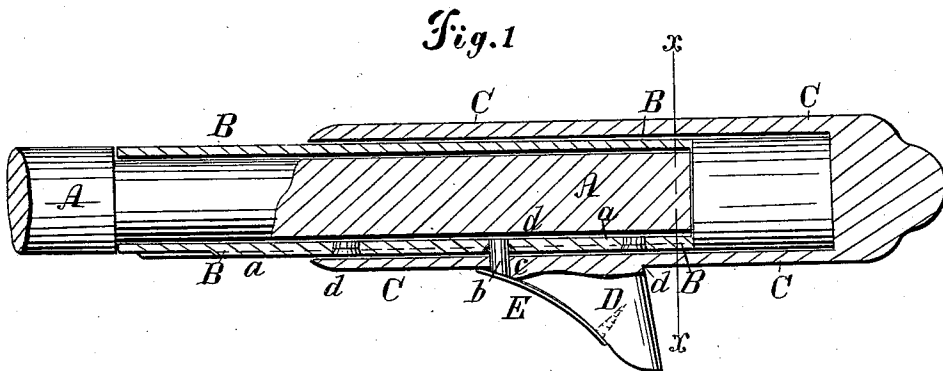


W. W. REXFORD.
Carriage Pole and Holdback.

No. 84,376.

Patented Nov. 24, 1868.



Witnesses.
Am A Wagon
Es to Cotton

Inventor.
W. W. Rexford

per Munn & Co
Attorneys



W. W. REXFORD, OF LOCH SHELDRAKE, NEW YORK.

Letters Patent No. 84,376, dated November 24, 1868.

IMPROVEMENT IN EXTENSION-POLE AND HOLDBACK FOR CARRIAGES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, W. W. REXFORD, of Loch Sheldrake, in the county of Sullivan, and State of New York, have invented a new and useful Improvement in Adjustable Holdback and Extension-Pole for Wagons, Sleighs, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a longitudinal central section of my improved holdback and extension-pole.

Figure 2 is a vertical transverse section of the same, taken on the plane of the line *z z*, fig. 1.

Similar letters of reference indicate like parts.

The object of this invention is to so arrange the holdback on a carriage-pole that it can be moved backward and forward on the pole, so as to be adjusted to different kinds of harness, and to horses of various sizes.

The invention consists in the combination of the sliding tube, the holdback, and spring-catch, with the metal tube, screwed to the end of the pole, said tubes being prevented from turning one upon the other, by a feather or grooved connection.

The object of the tube fitted around the pole is to prevent the wooden pole itself from being weakened by the aforesaid perforations, and by the attachment of a feather, or formation of a groove.

A, in the drawing, represents the front part of the pole of a wagon, carriage, sleigh, agricultural machine, or other suitable vehicle.

Its front end is tenoned, to receive a metal tube, B, which is fitted around the pole, and firmly secured to the same, so that it can neither slide nor turn thereon.

C is another metal tube, fitted around the tube B, so that it can slide but not turn thereon, for which latter purpose a feather and groove, *a*, has been arranged, as in fig. 2.

D is the holdback-iron, projecting from and firmly attached to the tube C. It is of suitable size and shape.

A spring, E, carrying a pin, *b*, is secured to the back edge of the holdback, the pin fitting through an aperture, *c*, of the tube C, into one of a series of holes or notches, *d*, provided in the tube B. By this spring-catch E *b*, the tube C can be locked in any desired position.

The front end of the tube C is closed, as shown, or should at least be, for appearance' sake.

It will be seen that by releasing the spring-catch, the tube C can be freely moved backward or forward on the pole, and that thereby the distance of the holdback from the whiffle-trees can be regulated at will; that also, by such motion of the tube C, the length of the pole can be varied at will.

Having thus described my invention,

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

The sliding tube C, holdback D, and spring-catch E *b*, in combination with the perforated tube B, affixed to the end of the pole, said tubes being prevented from turning one upon the other, by means of the feather *a*, all constructed and operating as described, for the purpose specified.

W. W. REXFORD.

Witnesses:

BEN. VERNON,
FOSTER SEAMAN.