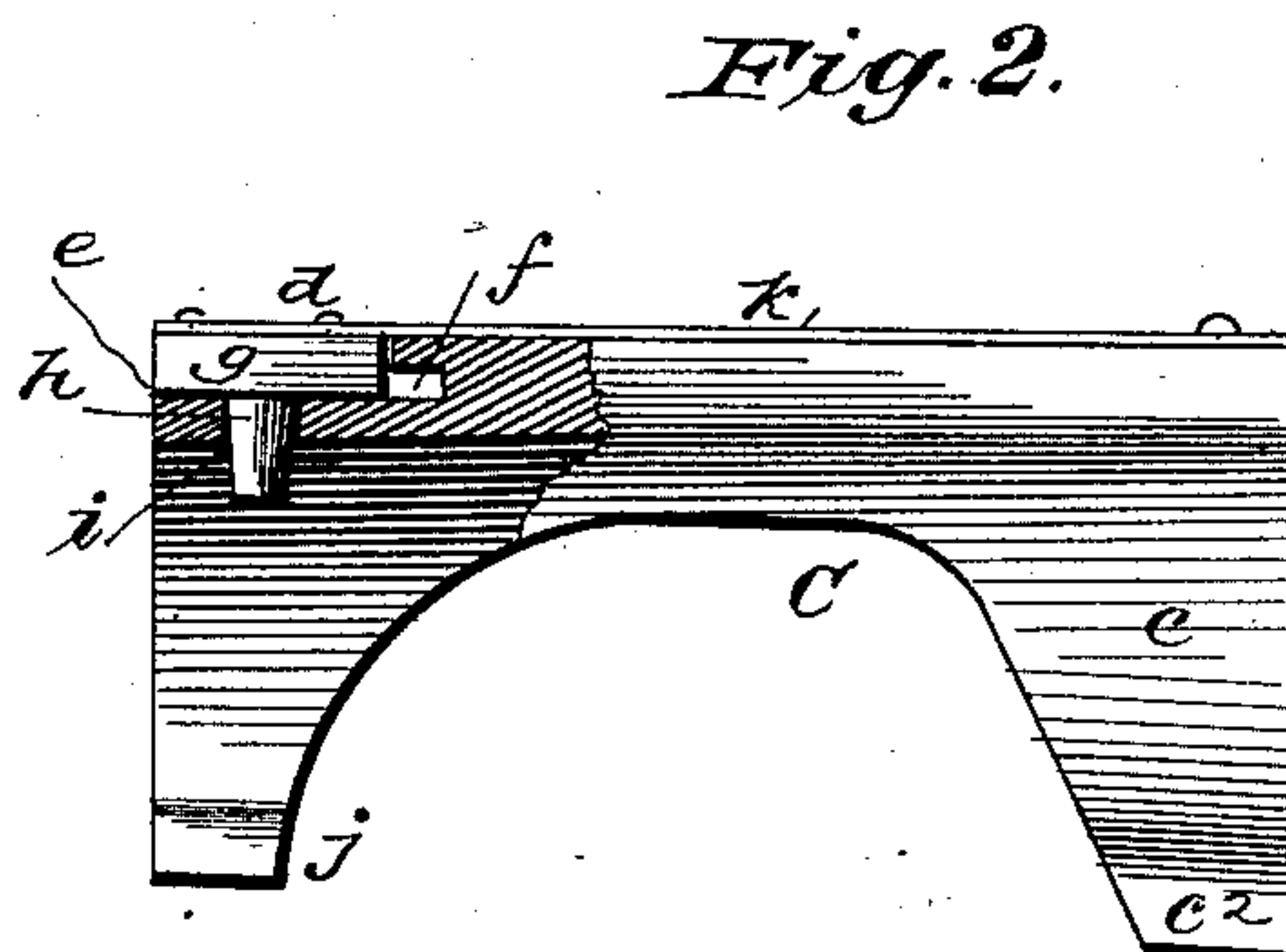
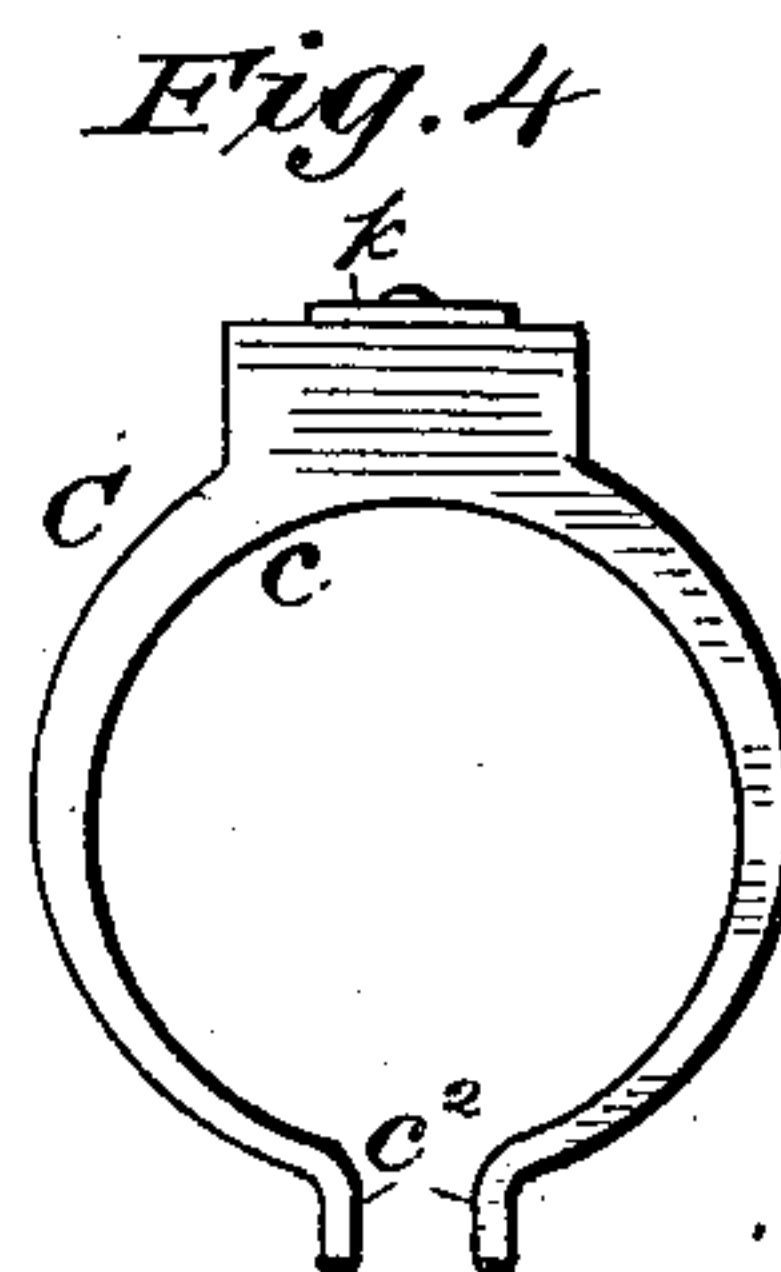
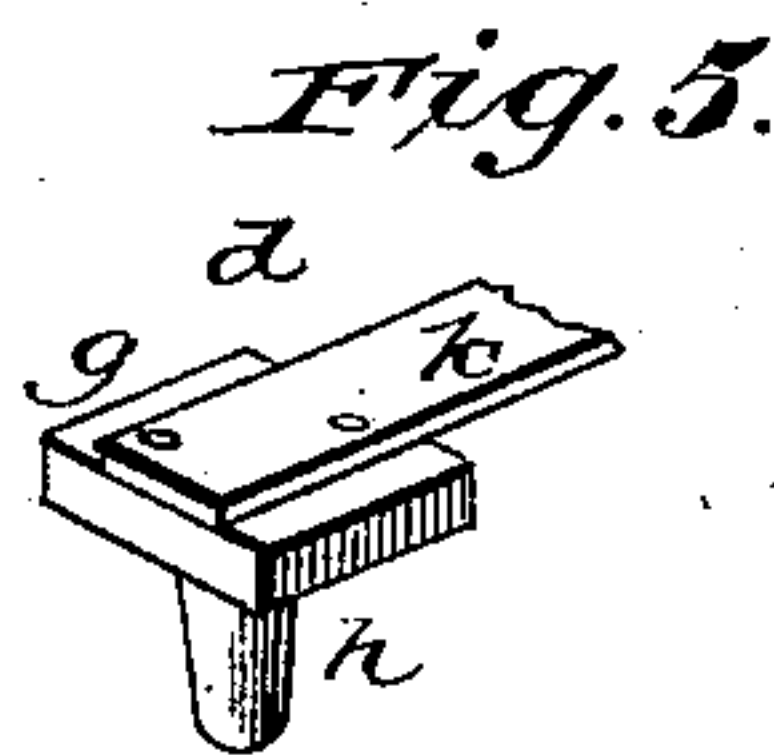
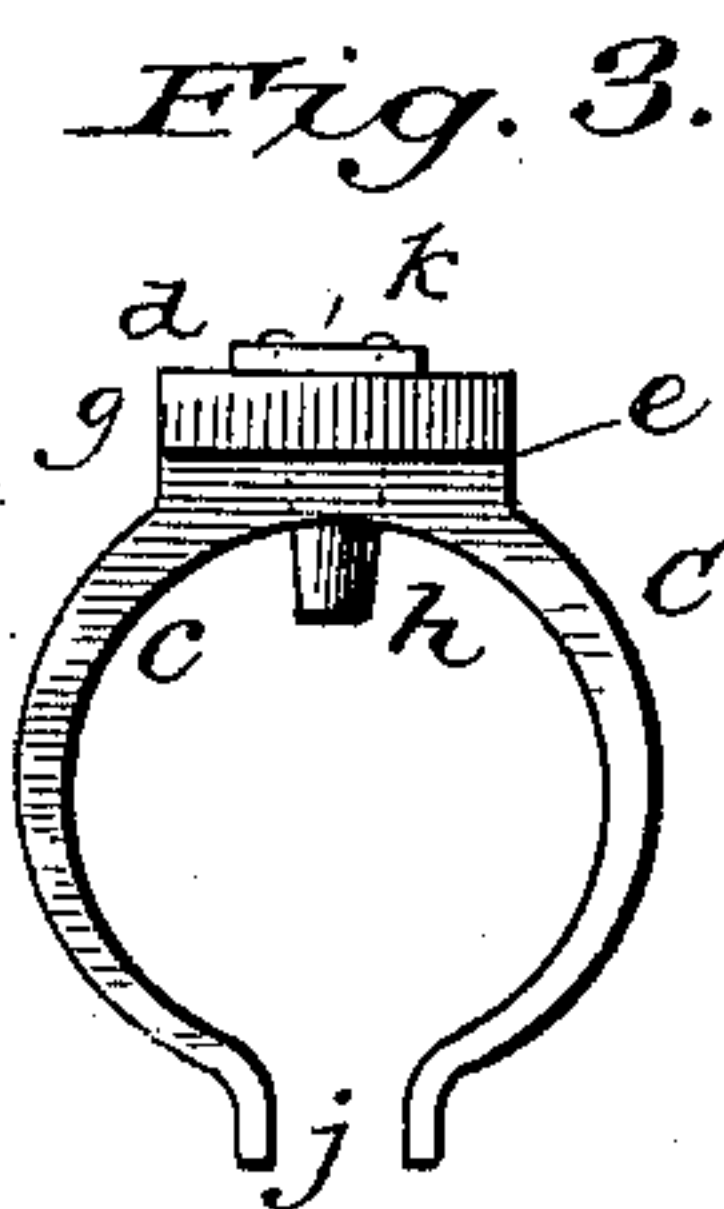
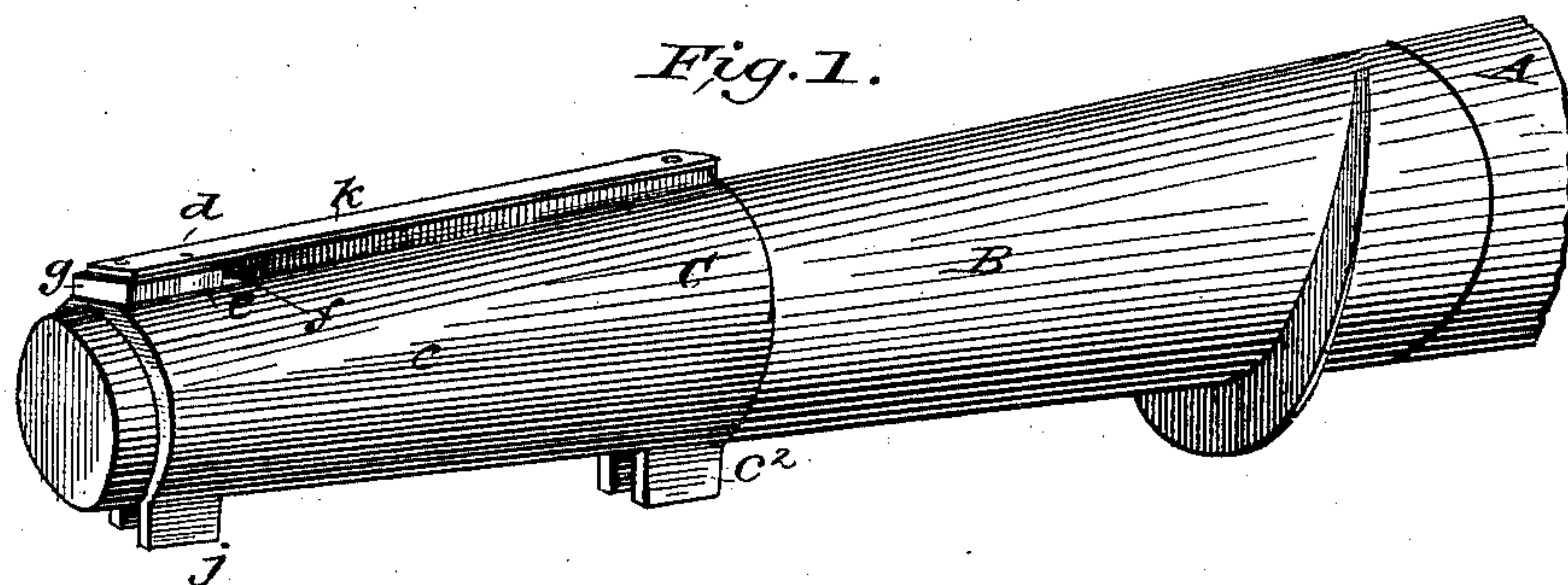


(No Model.)

G. F. COLBY.
WAGON POLE ATTACHMENT.

No. 387,397.

Patented Aug. 7, 1888.



WITNESSES:
Fred J. Dieterich
Chapman & Wright.

INVENTOR,
G. F. Colby.
BY *Wm. L.*
ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE F. COLBY, OF SHELBY, IOWA.

WAGON-POLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 387,397, dated August 7, 1888.

Application filed March 7, 1888. Serial No. 266,491. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. COLBY, of Shelby, in the county of Shelby and State of Iowa, have invented a new and useful Improvement in Wagon-Pole Attachments, of which the following is a specification.

My invention relates to an attachment for wagon-poles to prevent the neck-yoke from coming off the pole when the traces become detached or the whiffletree breaks, the object being to provide an attachment which can be readily and easily attached and detached and which will fit different-sized poles.

The invention consists of a longitudinally-slotted tube provided with a stop on its under side and with means for locking it on the pole.

The invention also consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Figure 1 is a perspective view of a portion of a wagon-pole having my improvement applied. Fig. 2 is a side view of the attachment with the locking device removed. Fig. 3 is a front end view of the attachment. Fig. 4 is a rear end view of the same, and Fig. 5 is a detail view of the locking device.

Similar letters of reference indicate corresponding parts in all the figures.

Referring by letter to the drawings, A represents a portion of a wagon-pole, B the usual tip, and C the attachment.

The attachment C consists of the longitudinally-slotted tube *c*, provided at its rear end with the downwardly-projecting lugs *c*² and the spring-catch *d*. The tube *c* has the upper side of its outer end, *e*, reduced and undercut, as at *f*, to receive the plate *g*, which carries the pin *h*, working in an aperture, *i*, in the tube. The plate *g* is secured to the spring *k*, which has its other end secured to the tube. The tube *c* is preferably formed of malleable iron, and is about three inches long on the upper side and two and a half inches on the underside. To facilitate compressing the tube by means of pinchers or otherwise to cause it to fit the tip of the pole snugly, I form lugs *j* on the under side of its forward end.

To apply the attachment, it is only necessary to make a hole in the tip B at its outer end of a size to receive the pin *h*, when by raising the plate *g* and slipping the tube over

the tip until the pin registers with the hole therein, then by releasing the plate the pin will enter the hole in the tip and firmly lock the attachment in position. It will thus be seen that when the attachment is applied should the traces become detached or the whiffletree break the ring of the neck-yoke will come in contact with the lugs *c*², and the neck-yoke thereby be prevented from coming off the pole. At the same time the neck-yoke will fall forward, and, resting upon the spring *k*, will prevent the withdrawal of the pin from the aperture of the tip and thereby the accidental detachment of the tube.

To permit a lantern to be conveniently and securely hung on the end of the pole, the shoulder formed by reducing the end of the tube is grooved, as at *f*, to receive the bail of a lantern, the bail being held in the groove by the block *g* when the tube is secured to the end of the pole.

The tube being slotted permits the attachment to be used upon poles of various sizes, and, being detachable, can be readily applied and removed.

If desired, the plate *g* can be dispensed with and the pin attached directly to the end of the spring. In this event the end of the tube will not be reduced but left plain throughout its length.

The tube *c* can be cut away between the front and rear lugs to lighten the same, if desired.

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

1. An attachment for wagon-poles for preventing the neck-yoke from coming off the pole, consisting of a longitudinally slotted and apertured tube, and a spring secured to said tube and provided at its free end with a pin engaging the aperture in the tube, substantially as described.

2. An attachment for wagon-poles for preventing the neck-yoke from coming off the pole, consisting of a longitudinally slotted and apertured tube provided with downwardly-projecting lugs at each end, and a spring secured to the tube and provided with a pin engaging the aperture of the tube, substantially as herein shown and described.

3. In an attachment for wagon-poles, the

combination, with an apertured tube provided with a stop on its under side, of a spring secured to the tube and carrying at its free end a pin working in the aperture of the said tube, substantially as described.

4. In an attachment for wagon-poles, the combination, with a longitudinally slotted and apertured tube provided with lugs on its under side, of a spring secured to the tube, a

plate secured to the spring and fitted to the end of the tube, and a pin on the under side of the plate, substantially as herein shown and described.

GEORGE F. COLBY.

Witnesses:

C. G. SANFORD,

FRED A. TRUE.