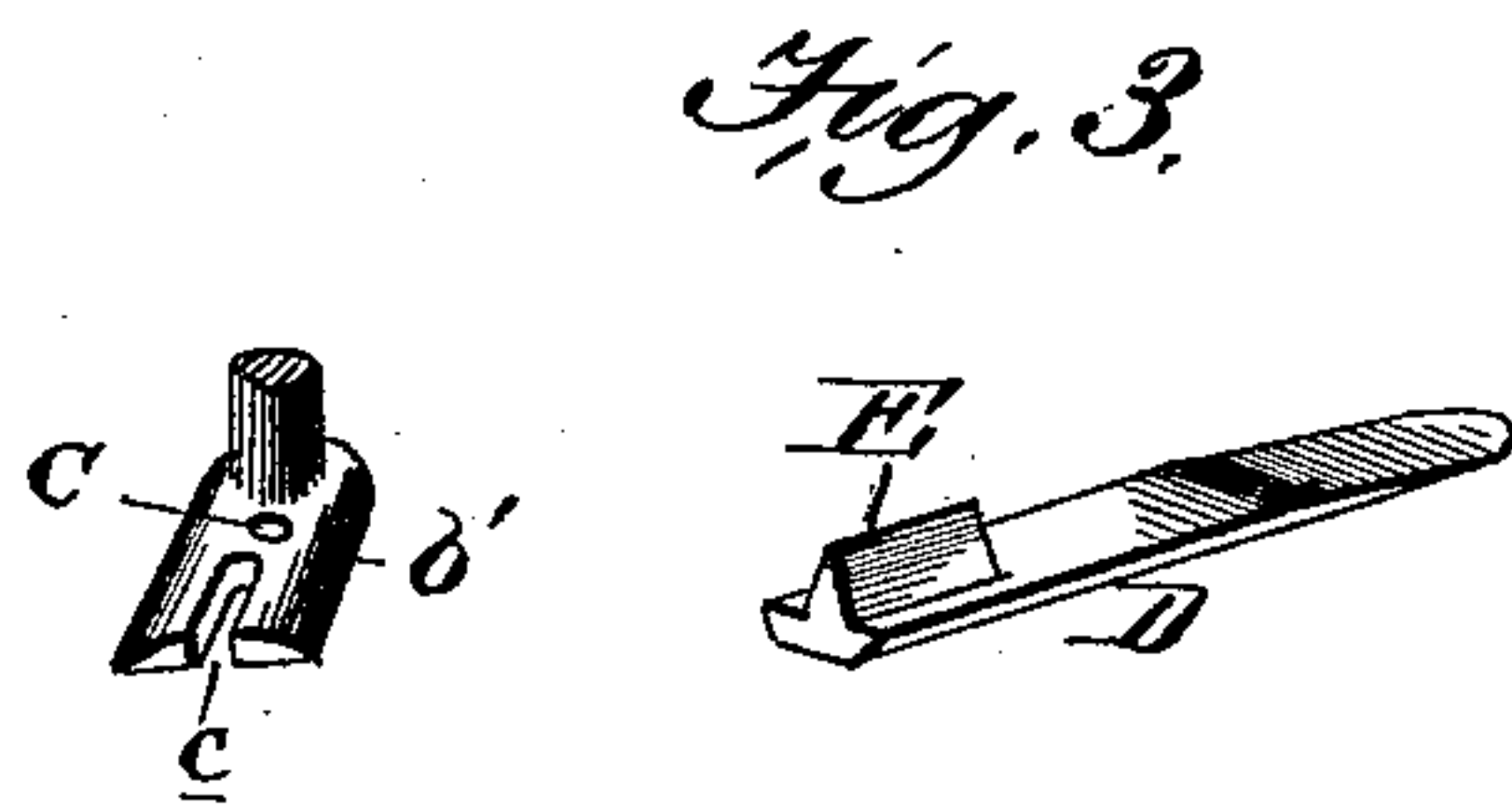
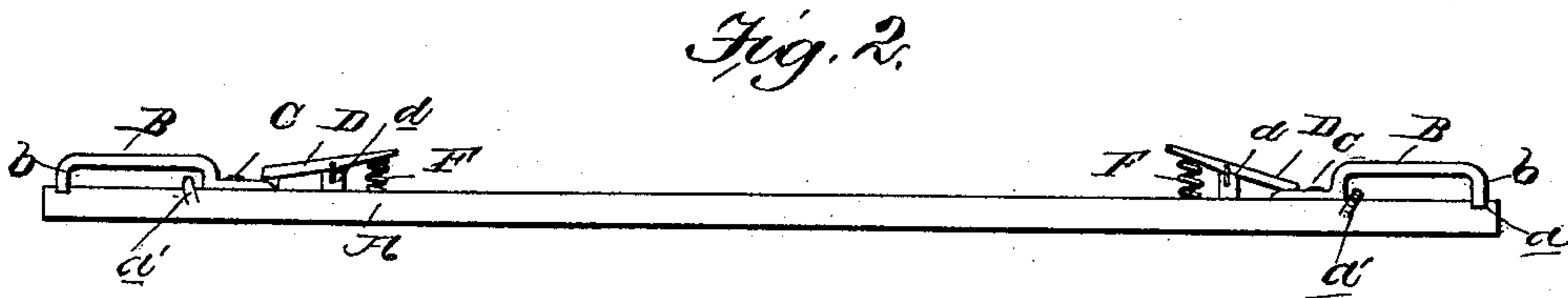
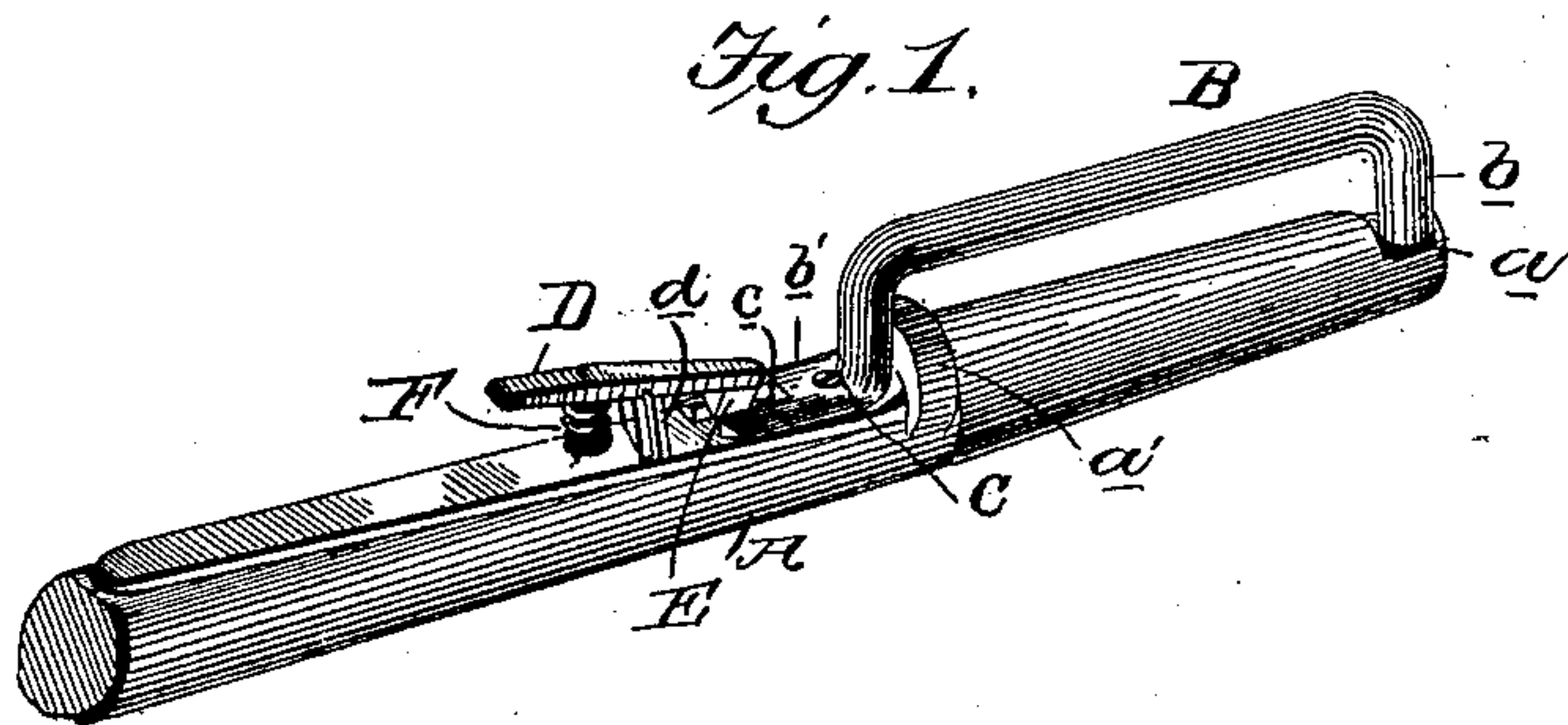


(No Model.)

W. W. CHANDLER.  
WHIFFLETREE HOOK.

No. 444,420.

Patented Jan. 13, 1891.



Witnesses  
J. D. Cornwall  
L. S. Bacon

Inventor  
Wm W. Chandler  
By  
Jos. H. Hunter  
Atty,

# UNITED STATES PATENT OFFICE.

WILLIAM W. CHANDLER, OF LONG PRAIRIE, MINNESOTA.

## WHIFFLETREE-HOOK.

SPECIFICATION forming part of Letters Patent No. 444,420, dated January 13, 1891.

Application filed August 11, 1890. Serial No. 361,718. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM W. CHANDLER, a citizen of the United States, residing at Long Prairie, in the county of Todd and State of Minnesota, have invented certain new and useful Improvements in Wagon-Pole, Whiffletree, and Neck-Yoke Hooks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in wagon-pole, whiffletree, and neck-yoke hooks; and it consists in the construction and arrangement of parts hereinafter described and claimed.

The object of my invention is to provide a simple, inexpensive, and convenient device for securing the cockeye or trace to a singletree or a strap to a pole or neck-yoke. I obtain this object by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate corresponding parts in the several views, and in which—

Figure 1 is a perspective view of a pole with the attachment. Fig. 2 is an elevation of a whiffletree. Fig. 3 are detail views in perspective of the catch and a portion of the retaining-arm.

In the drawings, A represents the pole, singletree, or yoke having a lateral groove *a* in its end and a retaining-shoulder *a'* to prevent the strap from being forced back against the pivotal portion of the retaining-arm.

B is a pivotal retaining-arm made of a bent bar having its outer end *b* bent at right angles and arranged to fit in the groove *a* in the end of the pole. The inner end of this arm is bent at right angles and has a flattened shank *b'* extending therefrom formed with a curved or convexed upper face and a flat under face. Through this shank, near the arm, is passed a pivot C, retaining the same in place and permitting it to be moved horizontally. In the outer edge of this shank *b'* is formed a groove *c* with vertical sides.

D is a spring-dog pivoted on a suitable support *d* on the tongue and having a tooth E, with beveled sides on its forward end which engage in the notch *c*. Between the rear portion of the dog and the pole is a spiral spring F, normally holding the toothed end of the dog down.

In operation the device is to be used as follows: When the strap or ring is to be placed on the pole, the toothed dog D is forced up by pressure on the spring-pressed end. The retaining-arm is then turned and the strap slipped over the end of the pole or tree, as the case may be. The arm is then moved back, and owing to the beveled shaping of the tooth and the inclined face of the shank on the arm the dog is forced up until the groove *c* is reached, into which the tooth is immediately forced by the spring locking the arm in place.

I am aware that many minor changes in the construction and arrangement of the parts of my device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

In a hook for the purposes specified, the combination, with the supporting end having a transverse groove therein and a shoulder, of a horizontally-swinging arm having its ends bent down at an angle, a shank on the lower part of the inner end having a groove therein and an inclined upper face, a pivot passing through the shank, and a spring-actuated dog having a tooth on its end formed with beveled sides, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM W. CHANDLER.

Witnesses:

C. F. MILLER,  
ROY FISHER.