

No. 725,729.

PATENTED APR. 21, 1903.

E. L. LEWIS & F. LUCKEY.

VEHICLE POLE TIP.

APPLICATION FILED FEB. 6, 1903.

NO MODEL.

Fig. 1.

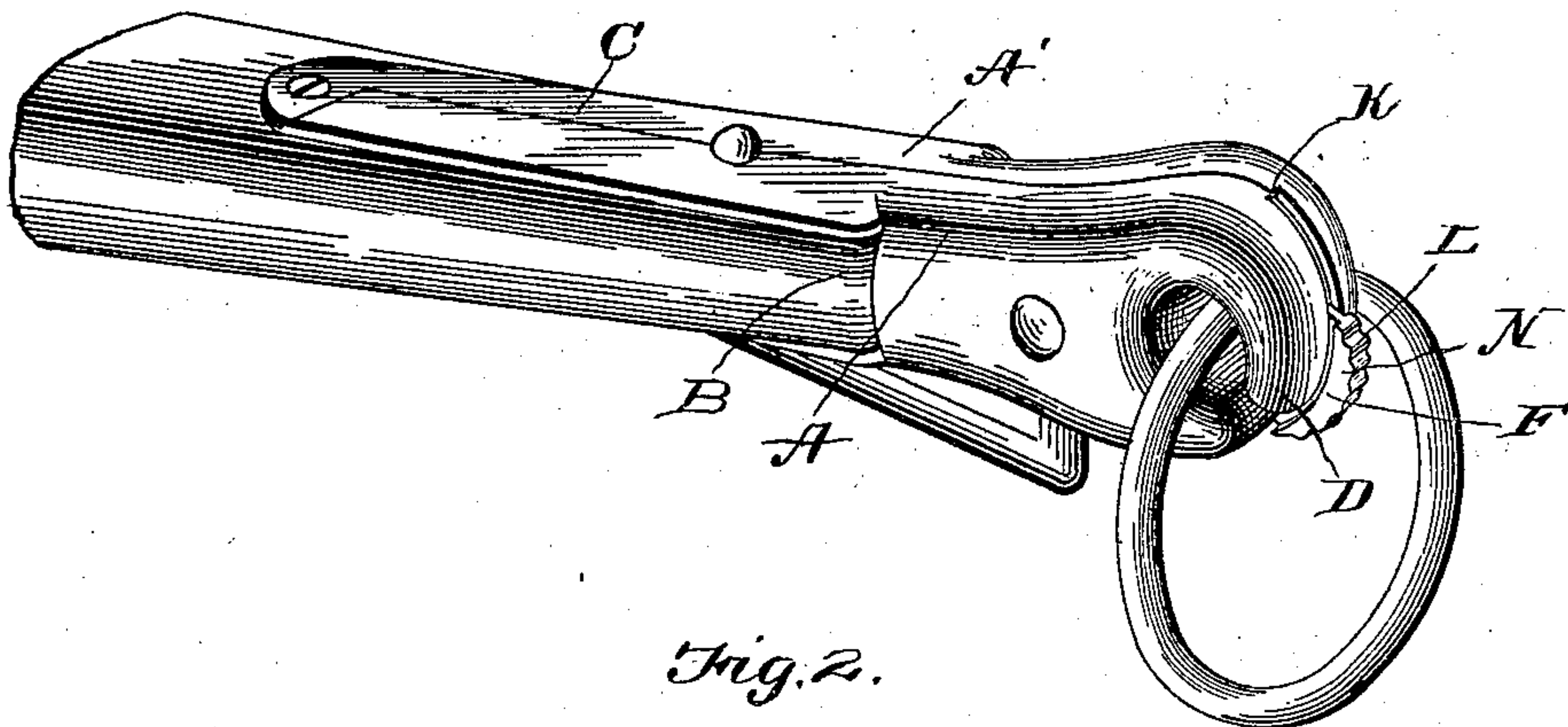


Fig. 2.

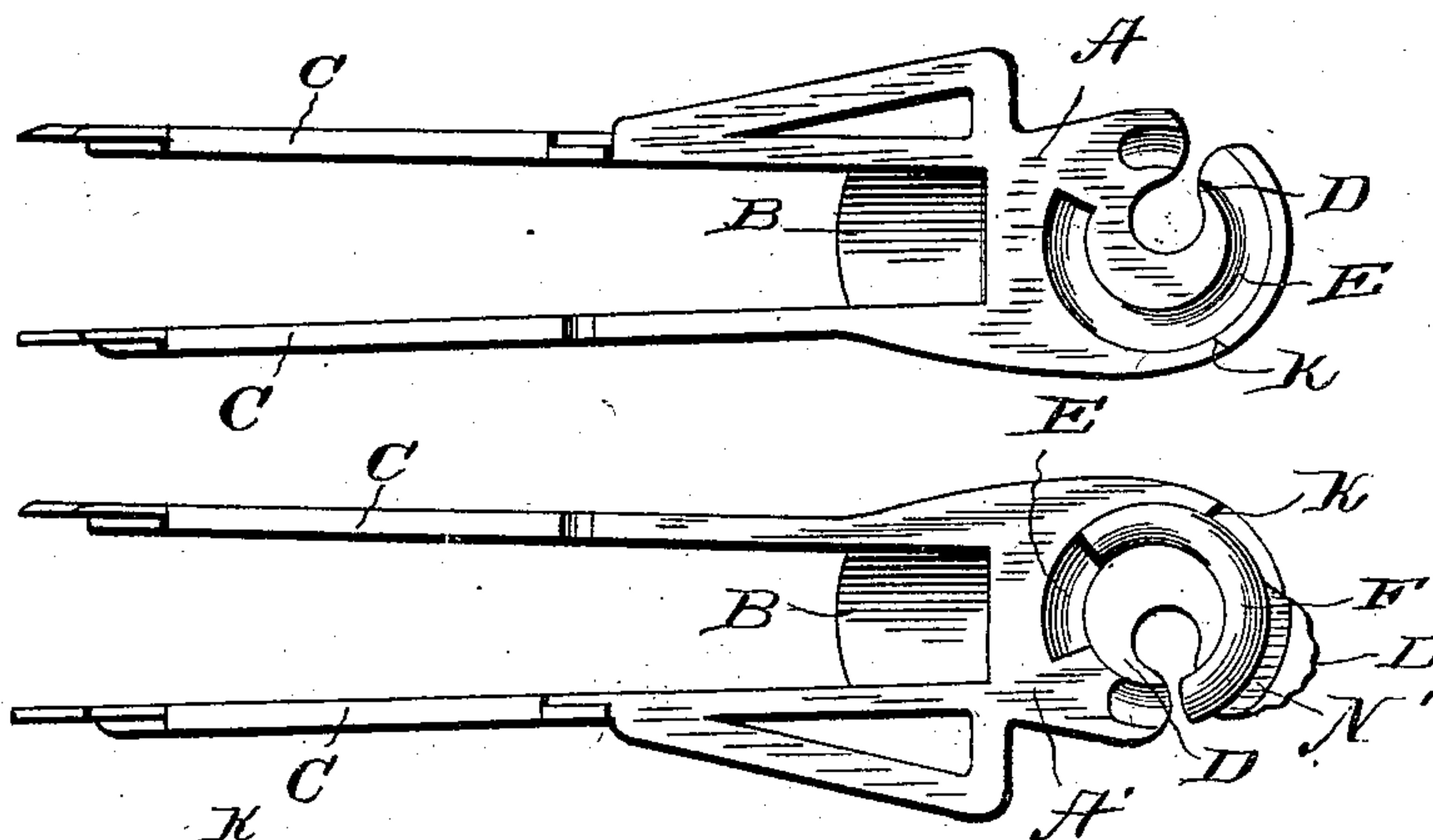


Fig. 3.

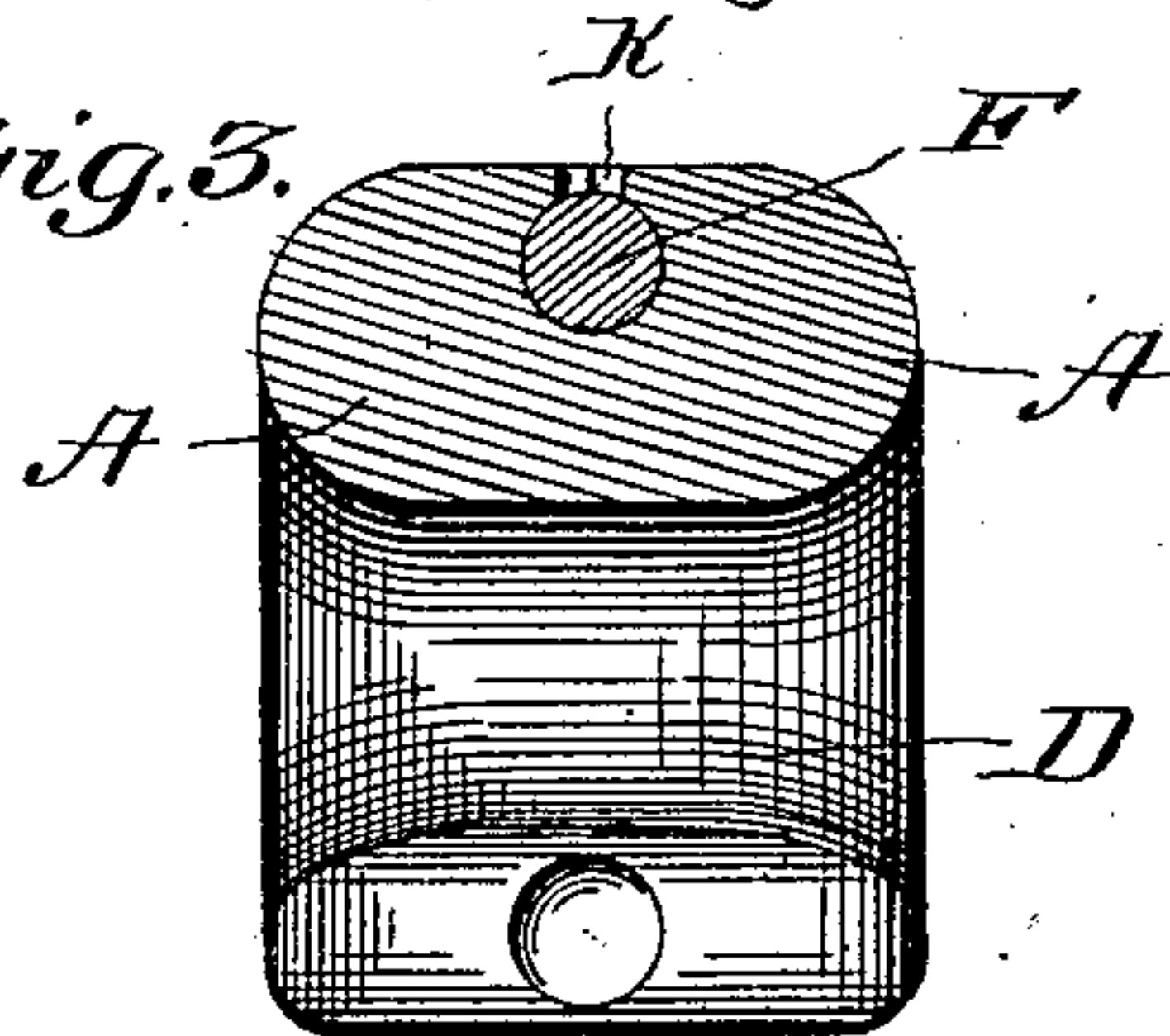
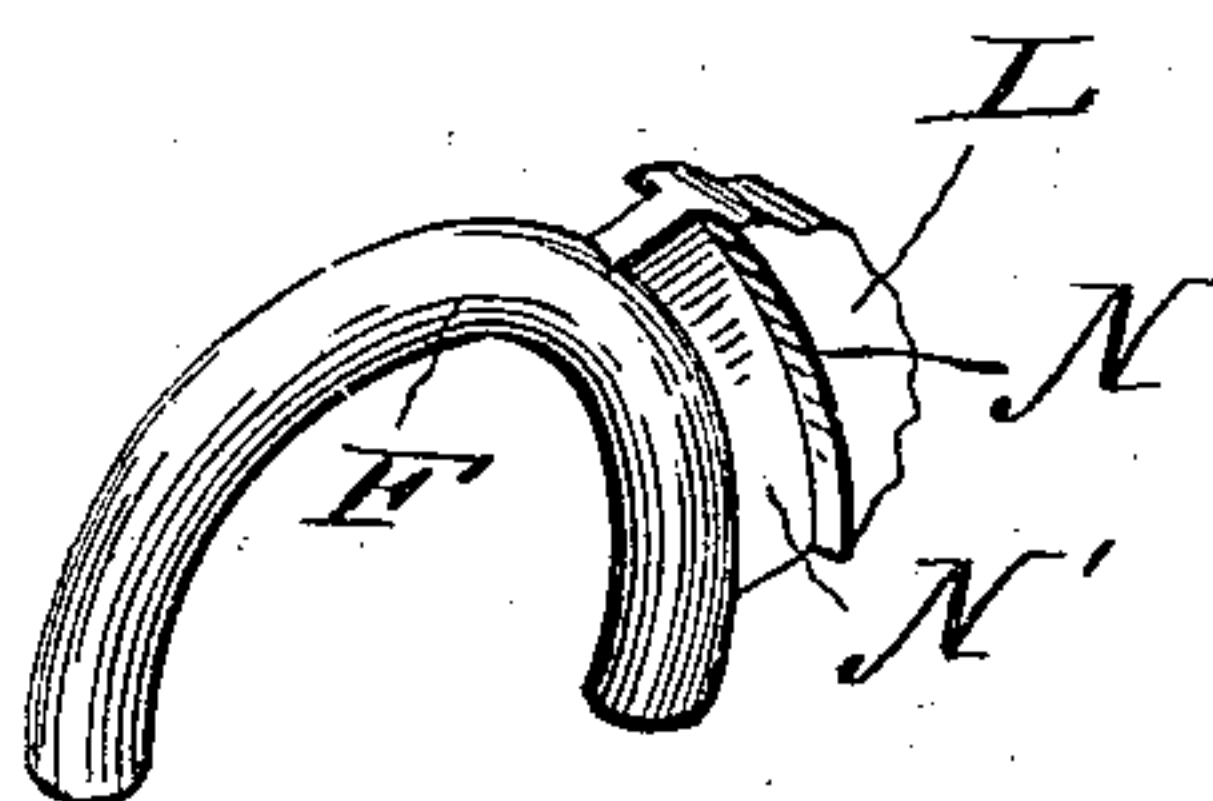


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## VEHICLE-POLE TIP.

SPECIFICATION forming part of Letters Patent No. 725,729, dated April 21, 1903.

Application filed February 6, 1903. Serial No. 142,217. (No model.)

*To all whom it may concern:*

Be it known that we, ERASTUS L. LEWIS and FRANK LUCKEY, citizens of the United States, residing at Marshall, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Vehicle-Pole Tips; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in safety attachments for tongues of vehicles provided for the purpose of holding the neck-yoke to the end of the pole in case the neck-yoke should accidentally become detached from the harness; and it consists in the provision of an integral hook formed on the cap of the tongue and provided with a gravity-tongue which is made independent of the cap and hooked and adapted to work in grooved sections of the cap and weighted at one end, so as to automatically close over the opening in the hook.

The invention consists, further, in various details of construction and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claims.

Our invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings similar letters of reference indicate like parts in the several drawings, in which—

Figure 1 is a perspective view of our pole-tip, showing our improved means for holding the ring of the neck-yoke therein. Fig. 2 is a view showing in side elevation the inner faces of the sections which make up the pole-tip, one of said sections showing in the groove therein the gravity-tongue. Fig. 3 is a cross-sectional view through the tip with the sections secured together, and Fig. 4 is an enlarged detail view of the gravity-tongue.

Reference now being had to the details of the drawings by letter, A and A' designate

the two complementary sections forming the pole-tip, each of said sections being recessed out, as at B, for the reception of the end of a pole, while longitudinally-projecting portions C extend above and below the pole and are adapted to be fastened thereto by bolts or other suitable fastening means. Each of the sections of the pole-tip has formed therein a hook D for the reception of the ring of the neck-yoke, and the inner face of each section is provided with a circular segment-groove E. A shoulder K is formed on the inner face of each tongue-section, adapted to form a stop to limit the rearward throw of the tongue F in a manner as will be presently described. One end of said circular groove terminates in a shoulder which is adapted to limit the throw of the tongue in the opposite direction. Each inner face of the tongue-sections is similarly grooved and has similar shoulders K, and said tongue F, which is preferably semicircular, has a weighted portion N formed integral therewith, the shank portion of said weighted part intermediate the latter and the ring being somewhat contracted and grooved, as at N', for the purpose of allowing the two tip-sections to come close together, a flanged portion of the weighted part overlapping each tip-section when the sections are placed together, and the outer circumference of the weighted part is preferably milled, as at L, for the purpose of throwing the tongue back in said segment-grooves.

A weighted part of the tongue is so positioned that it will fall by gravity into a closed position, thus normally holding the ring of the neck-yoke in the hooked part of the tip, and when it is desired to release the neck-yoke the tongue may be thrown back and the neck-yoke easily removed, the shank portion of the weighted part of the tongue coming in contact with the weighted portions K to limit the rearward throw of the tongue.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A safety-tip for vehicle-poles, made up of two complementary sections, each of which has a hooked portion and a curved segment-groove formed in the inner face of the sec-

tion, two shoulders, one at each end of said groove, a semicircular tongue mounted in said groove and having an integral weighted portion with milled edge, the shank portion  
5 of said milled part being grooved and adapted to receive the marginal edges of the tip-sections, said weighted portion adapted to project outside the two tip-sections when the latter are secured together, as set forth.  
10 2. A pole-tip made up of two sections, the inner face of each section having a hooked portion and a curved segment-groove, a shoulder K on the inner face of each section, a semicircular ring forming a tongue mounted  
15 in said grooves, an integral weighted part to said tongue and having a contracted con-

caved shank portion adapted to receive the marginal edges of the tip-sections, said shoulders adapted to form a stop against which the shank portion of the weighted part is  
20 adapted to contact to limit the rearward throw of the tongue, one end of said groove forming a stop to limit the throw of the tongue in the opposite direction, as set forth.

In testimony whereof we hereunto affix our  
25 signatures in presence of two witnesses.

ERASTUS L. LEWIS.  
FRANK LUCKEY.

Witnesses:

CHRISTIAN ARNDTS,  
LOUIE ARNDTS.