

No. 619,168.

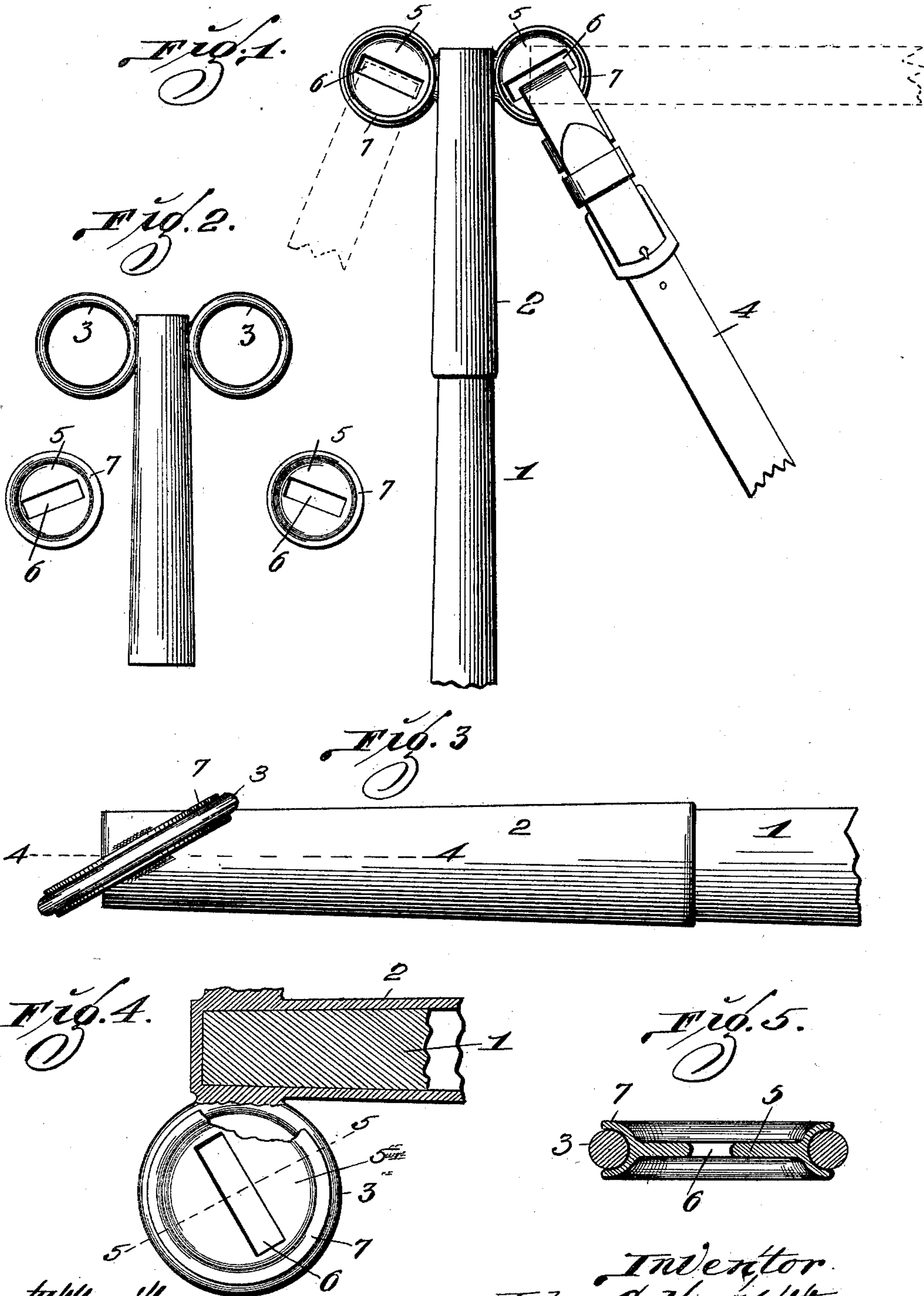
Patented Feb. 7, 1899.

J. C. HACKETT.

POLE TIP.

(Application filed Mar. 21, 1898.)

(No Model.)



Inventor  
John C. Hackett :-  
Attest  
W. Smith, By Higdon & Logan  
A. J. McAnulty, Attys.



# UNITED STATES PATENT OFFICE.

JOHN C. HACKETT, OF ST. LOUIS, MISSOURI.

## POLE-TIP.

SPECIFICATION forming part of Letters Patent No. 619,168, dated February 7, 1899.

Application filed March 21, 1898. Serial No. 674,663. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. HACKETT, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Pole-Tips, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to pole-tips; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

Figure 1 is a plan view of the forward end of a carriage-pole, the same being constructed in accordance with my invention. Fig. 2 is a plan view of the attachment usually located upon the forward end of the carriage-pole, with the bearing plates or rings of my improvement detached from said attachment. Fig. 3 is an enlarged side elevation of the forward end of a carriage-pole of my improved construction. Fig. 4 is a horizontal sectional view taken approximately on the line 4 4 of Fig. 3. Fig. 5 is a transverse sectional view taken approximately on the line 5 5 of Fig. 4.

Referring by numerals to the accompanying drawings, 1 indicates the carriage-pole, which is of the ordinary construction, and firmly seated upon the outer end of said pole is a metallic sleeve 2, upon the forward end and sides of which are rigidly fixed the oppositely-arranged rings 3, said rings being preferably inclined rearwardly in order that they will more readily accommodate or be in alignment with the pole of the usual straps 4, that connect the horse-collar with the forward end of the pole.

A bearing-plate is located in each one of the rings 3, which bearing-plate comprises a disk 5, in which is formed a transverse opening 6, the edge of said disk 5 being provided with a semicircular flange 7, which fits the inner surface of the ring 3. A bearing-plate so constructed is fitted so that it will freely rotate in each one of the rings 3, and when so positioned the strap 4 from the collar passes through the aperture 6. As said bearing-

plates freely rotate within said rings, there is no limit to the lateral movement of the straps 4, and the same will readily swing into any position to accommodate the movement of the pole or of the horse, and thus the pull or bearing of the collar upon the horse's neck will be greatly reduced. As the straps 4 and the bearing-plates swing freely together, said straps and bearing-plates, together with the rings 3, will not become worn, which naturally renders them unsightly where a fine harness and fine trimmings are used.

In some instances the bearing-plates may be applied to the rings of the sleeves now in use upon the poles of carriages, it only being necessary to make said bearing-plates of the proper size to fit the rings already in use and to properly construct said bearing-plates so that they can be positioned in said rings.

Thus I have provided a pole-tip that presents a neat and finished appearance, is inexpensive, does away with the wear between the neck-straps and the rings of the carriage-pole, and greatly relieves the strain or side pull upon the collars of horses.

I claim—

1. The combination with the carriage-pole, of a sleeve located upon the forward end of the pole, rings integral with and projecting laterally from the forward end of said sleeve, and slotted bearing-plates rotatably arranged within said rings, substantially as specified.

2. An attachment for carriage-poles, constructed with the sleeve 2, the rings 3 integral with and projecting laterally from the forward end of said sleeve, and the slotted bearing-plates 5 rotatably arranged in said rings and provided with peripheral semicircular flanges for engaging said rings, substantially as specified.

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

JOHN C. HACKETT.

Witnesses:

A. J. MCCAULEY,  
M. P. SMITH.