(No Model.)

T. N. MARTIN.

POLE TIP.

No. 565,412. Patented Aug. 4, 1896.

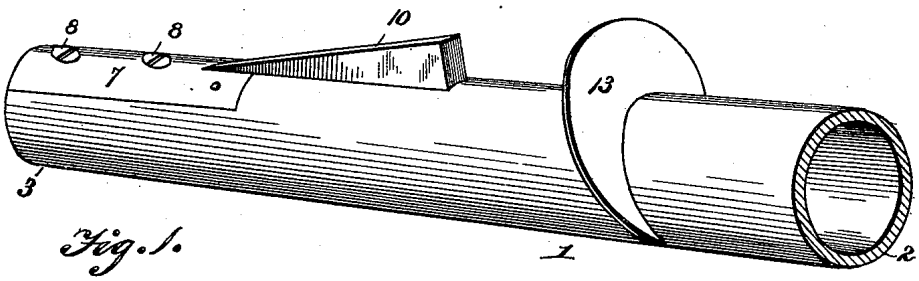


Fig. 1.

Fig. 2.

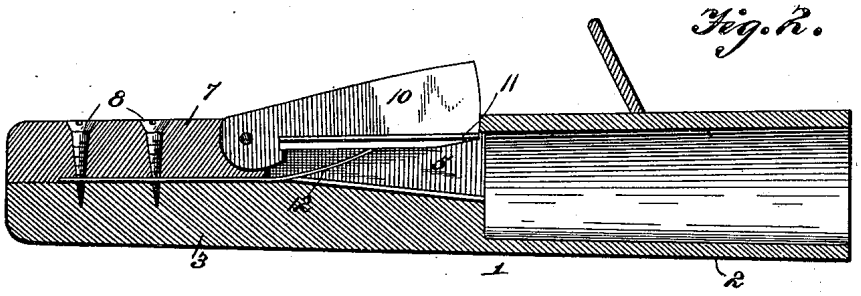


Fig. 3.

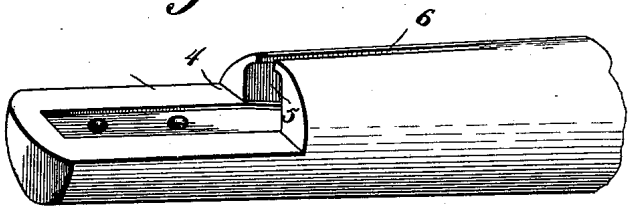


Fig. 4.

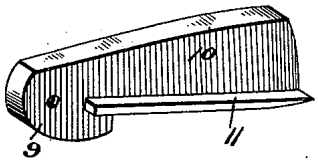
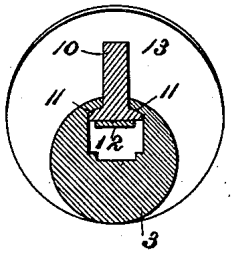


Fig. 5.



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UNITED STATES PATENT OFFICE.

THOMAS NELSON MARTIN, OF CHEYENNE, WYOMING, ASSIGNOR OF ONE-THIRD TO FRANK D. JOHNSTON, OF OMAHA, NEBRASKA.

POLE-TIP.

SPECIFICATION forming part of Letters Patent No. 565,412, dated August 4, 1896.

Application filed March 30, 1895. Serial No. 543,873. (No model.)

To all whom it may concern:

Be it known that I, THOMAS NELSON MARTIN, a citizen of the United States, residing at Cheyenne, in the county of Laramie and State of Wyoming, have invented a new and useful Pole-Tip, of which the following is a specification.

The invention relates to improvements in pole-tips.

The object of the present invention is to provide a simple and inexpensive device which may be readily applied to the end of a vehicle tongue or pole and which will prevent a neck-yoke center from accidentally leaving the pole in event of the breakage of a trace or the like, and thereby avoid the accidents often caused by the neck-yoke center leaving the pole.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a pole-tip constructed in accordance with this invention, the same being inverted to better illustrate the relative disposition of the parts. Fig. 2 is a central longitudinal sectional view of the same, the parts occupying the same relative position shown in Fig. 1. Fig. 3 is a detail perspective view of the tip, the spring-actuated lug or catch and the block to which it is pivoted being removed. Fig. 4 is a similar view of the lug or catch. Fig. 5 is a transverse sectional view of the pole-tip.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a pole-tip having a tubular rear or inner portion 2 to form a ferrule or cap to fit on the end of a tongue or pole, and provided with a solid front portion 3, which is recessed at 4 to make it half-round, and which is provided in rear of the recess with a longitudinal groove or socket 5. A longitudinal slot 6 communicates with the groove or socket 5 and forms inward-extending flanges at the bottom thereof.

The recess 4 is substantially rectangular and forms a shoulder at the inner end thereof, and receives a removable block 7, having a rounded outer face and completing the end of the tip, and secured to the same by screws or other fastening devices 8. The inner end of the half-round block 7 is slotted and has pivoted to it a perforated ear 9 of a spring-actuated lug or catch 10.

The lug or catch 10 is substantially triangular and tapers from its rear end, and is provided at its upper edges with longitudinal flanges 11, which are adapted to engage those at the bottom of the longitudinal groove or socket 5 of the tip. The lower edge of the lug or catch inclines downward and rearward from the lower face of the block 7, and the rear end of the lug or catch forms a stop or shoulder to prevent a neck-yoke center from leaving the tip accidentally.

A longitudinally-disposed spring 12 has its front portion secured between the recessed portion of the tip and the block 7, and is let into the former, and its inner portion is bent downward and engages the upper face or edge of the catch or lug and forces the same downward. The spring permits the catch or latch to be depressed when it is desired to remove the neck-yoke center.

The pole-tip is provided in rear of the pivoted spring-actuated catch or lug with a depending circular holdback stop or flange 13, against which a neck-yoke bears, as will be readily understood.

It will be seen that the pole-tip is exceedingly simple and inexpensive in construction, that it is adapted to be readily applied to any ordinary vehicle tongue or pole, and that it is capable of preventing any liability of a neck-yoke center becoming accidentally disengaged from the pole. It will also be seen that the construction is compactly arranged, that the front portion of the spring is firmly held between the block and the front portion of the pole-tip, and that the fastening devices for securing the block to the tip also serve as the means for attaching the spring.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

A new article of manufacture, a pole-tip comprising an inner tubular portion having a segmental flange and an outer solid portion having its end cut away or recessed on one side and provided with a longitudinal groove, and having a longitudinal socket in the rear of the recessed end provided at the outer edges of its walls with inner flanges, a block secured to the recessed end of the body and completing the outline thereof, a catch pivoted to the inner end of the block and extending into the said longitudinal socket, and having lateral flanges to coöperate with the said inner flanges of the socket, and a flat spring having its outer end portion seated in the groove of the recessed end and held therein by the block and its fastenings, and having its inner end portion projecting into the longitudinal socket and exerting an outward pressure against the said catch, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

THOMAS NELSON MARTIN.

Witneses:

O. K. SNYDER,

WM. F. DAIBER.