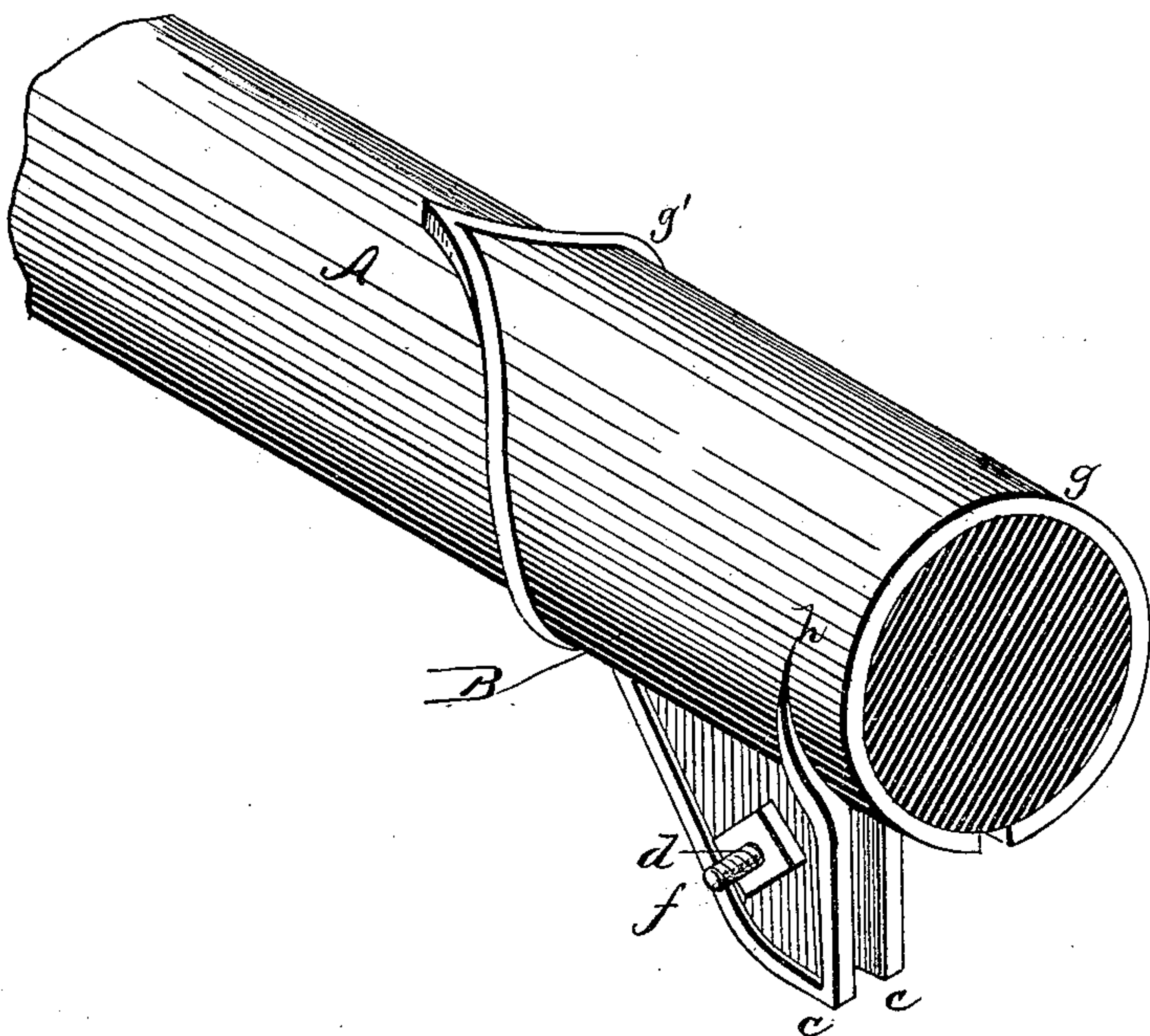


(No Model.)

I. R. GILBERT.
Pole Tip.

No. 238,385.

Patented March 1, 1881.



Witnesses:
H. C. McArthur
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UNITED STATES PATENT OFFICE.

ISAAC R. GILBERT, OF CHARLESTOWN, INDIANA.

POLE-TIP.

SPECIFICATION forming part of Letters Patent No. 238,385, dated March 1, 1881.

Application filed November 27, 1880. (No model.)

To all whom it may concern:

Be it known that I, ISAAC R. GILBERT, of Charlestown, in the county of Clarke and State of Indiana, have invented certain new and useful Improvements in Pole-Tips; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and letters of reference marked thereon, which form a part of this specification, and in which is represented a perspective view of my tip secured to a pole.

While it is evident that my invention may be applied to the tongue of any kind of vehicle, yet I more especially design it for a certain class of agricultural implements—such, for instance, as sulky-plows, seeding-machines, &c. It has hitherto been customary, in the manufacture of the above-named class of machines, to make the tongue or pole of sufficient length to accommodate horses of the largest size, and as it is essential to have them as near the machine as possible it follows that when those of small size are used they would be too far from the machine to give the best results of their work. To obviate, therefore, this difficulty, is the object of my invention; and it consists in the peculiar construction of an adjustable tip, which will both protect the pole from wear of the neck-yoke and adapt it to horses of various sizes.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

B represents the tip, which consists of a sleeve or ferrule, of suitable length, made to fit the pole A. The under side of the tip is slotted longitudinally, and from each side of this slot project the wings *c c*, thus forming a lengthened slot whose sides are parallel from the under side of the pole to the lower edge of the wings. The width of the slot should be sufficient to enable the wings to be compressed by means of the bolt *f* and nut *d*, and thus adapt it to fit poles of unequal sizes, and be firmly secured thereon, either farther from or closer to the outer end thereof.

It will be particularly observed that both the inner and outer ends of the sleeve B project a suitable distance beyond the wings, in order to form “rub-plates” *g g'*, to protect the pole from wear of the neck-yoke and the ring attached to the same. As the wear on the rear end of the tip will be on top this part of it may be beveled, as shown in the drawing, which incline or bevel I prefer to extend to the bottom of the wings *c c*, while the opposite end of said wings are made straight or perpendicular from the under side of the sleeve. I find it also desirable to strengthen the wings by casting their outer edges on their flat sides with a raised border, which border should extend a short distance up the front sides of the tip, as seen at *h*, with a slant backward to serve as an additional stop for the ring of the neck-yoke to bear against, while on the rear end this border should extend around the same from wing to wing.

I am well aware that, broadly speaking, a sleeve provided with wings with a slot between them and a screw-bolt for compressing the same is not new, as such a device has been used for clamping wood, &c., and therefore lay no claim to such a thing *per se*; but

What I do claim, and desire to secure by Letters Patent, is—

1. The within-described pole-tip, consisting of an adjustable ferrule or sleeve having wings *c c* and stop *h*, and an extension in front and rear of said wings, all substantially as and for the purpose set forth.

2. In combination with a pole or tongue, the sleeve B, having wings *c c*, and formed with an extension in front and rear thereof, and adapted to be adjusted and tightened on the pole, all substantially as herein shown and described.

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

Witnesses: ISAAC R. GILBERT.
MCDAVELL REEMS,
J. C. WILSON.