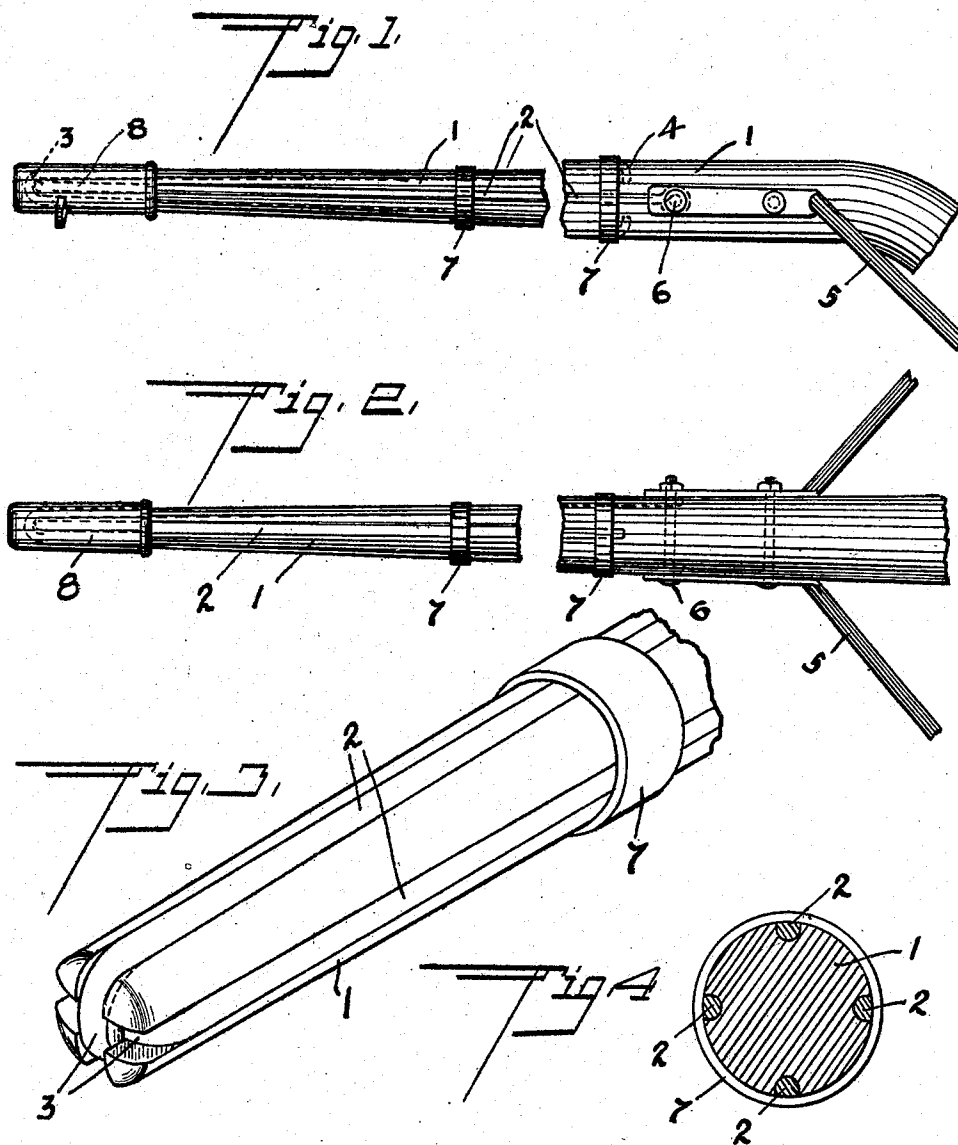


C. B. SCHLEICHER.
VEHICLE POLE.
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Charles B. Schleicher, Inventor.

Witnesses:

L. C. Ferguson
Roy E. Katz

By David O. Bernell,
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES B. SCHLEICHER, OF BRADY, NEBRASKA.

VEHICLE-POLE.

941,386.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES B. SCHLEICHER, a citizen of the United States, and a resident of Brady, in the county of Lincoln and State of Nebraska, have invented certain new and useful Improvements in Vehicle-Poles, of which the following is a specification.

My invention relates to the construction of tongues or poles of vehicles, especially for light horse-drawn vehicles such as carriages and buggies, in which it is desirable that the pole be strong, light and neat in appearance.

My invention has for its object the provision of means for strengthening or reinforcing a vehicle-pole without altering the size or materially changing the weight or appearance thereof.

Constructions embodying my invention are illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the pole, the middle portion thereof being broken away, Fig. 2 is a plan view of the same, Fig. 3 is a perspective view of the end of the pole with the ferrule removed therefrom, and Fig. 4 is a transverse section of the pole.

The main body of the pole is a tongue 1 made of wood and of the usual size and shape. In the sides, top and bottom of the tongue are made longitudinally-extending round-bottomed grooves which are carried around the end of the tongue radially thereof, and connecting with each other as shown in Fig. 3. In said grooves are laid metal rods 2, preferably of mild steel, which are of such a form as to completely fill the grooves and lie flush with the outer surface of the tongue, as shown in Fig. 4. The rods lying at opposite sides of the tongue are connected with each other by U-shaped portions 3 extending across the end of the tongue within the radial grooves therein. The rearward ends of the top and bottom rods are turned inwardly, as indicated by the dotted lines 4 in Fig. 1, extending into the body of the tongue so as to be secured thereto. The rearward ends of the side rods are formed into eyes which are sunk into recesses formed in the sides of the tongue un-

der the brace-rods 5, and through said eyes is passed one of the bolts 6 used for connecting the brace-rods 5 with the tongue.

The end of the tongue is provided with a ferrule 8 which, in addition to its usual purposes, serves to hold the rods 2 in the grooves in the tongue and to conceal the connecting end-portions thereof. At suitable intervals along the tongue, metal bands or rings 7 are placed around the tongue over the rods to hold the same in position within the grooves.

It will be seen that by the use of the reinforcing-rods, arranged as described, the pole will be greatly strengthened, especially as to its resistance to bending stresses, without materially changing the weight or appearance of the ordinary wooden pole.

Now, having described my invention, what I claim and desire to secure by Letters Patent is:

1. In a vehicle-pole, a tongue of wood, a plurality of metal reinforcing-rods bedded longitudinally in the sides thereof, the rods on opposite sides being connected with each other across the end of the tongue, and bands arranged at intervals around the tongue and rods.

2. In a vehicle-pole, a tongue of wood having a plurality of grooves extending longitudinally in the sides thereof and extending radially across the end thereof, metal rods laid in said grooves, the rods on opposite sides of the tongue being connected across the end thereof, means for securing the opposite ends of the rods to the body of the tongue, and bands disposed at intervals around the tongue and rods.

3. In a vehicle-pole, a tongue of wood having grooves extending longitudinally in the opposite sides thereof, metal rods laid in said grooves, the said rods being connected with each other at one end and with the body of the tongue at the other end, and bands around the tongue arranged intermediate the ends of the rods for holding the same in the grooves.

4. In a vehicle-pole, a tongue having a plurality of grooves formed therein and extending longitudinally thereof, the said grooves being extended radially across the

end of the tongue, metal rods arranged in
said grooves, the rods on opposite sides ex-
tending across the end of the tongue through
the radial grooves therein, a ferrule disposed
5 over said end of the tongue and the rods,
means for securing the opposite ends of the
rods to the tongue, and metal bands dis-
posed around the tongue and rods at posi-
tions thereon intermediate the ends of the

rods to hold the rods within the grooves in 10
the tongue.

In testimony whereof I have hereunto
subscribed my name in the presence of two
witnesses.

CHARLES B. SCHLEICHER.

Witnesses:

D. O. BARNELL,
ROY G. KRATZ.