July 23, 1946. K. G. MYERS 2,404,521

WAGON, TRAILER AND IMPLEMENT TONGUE

Filed April 5, 1944 2 Sheets-Sheet 1

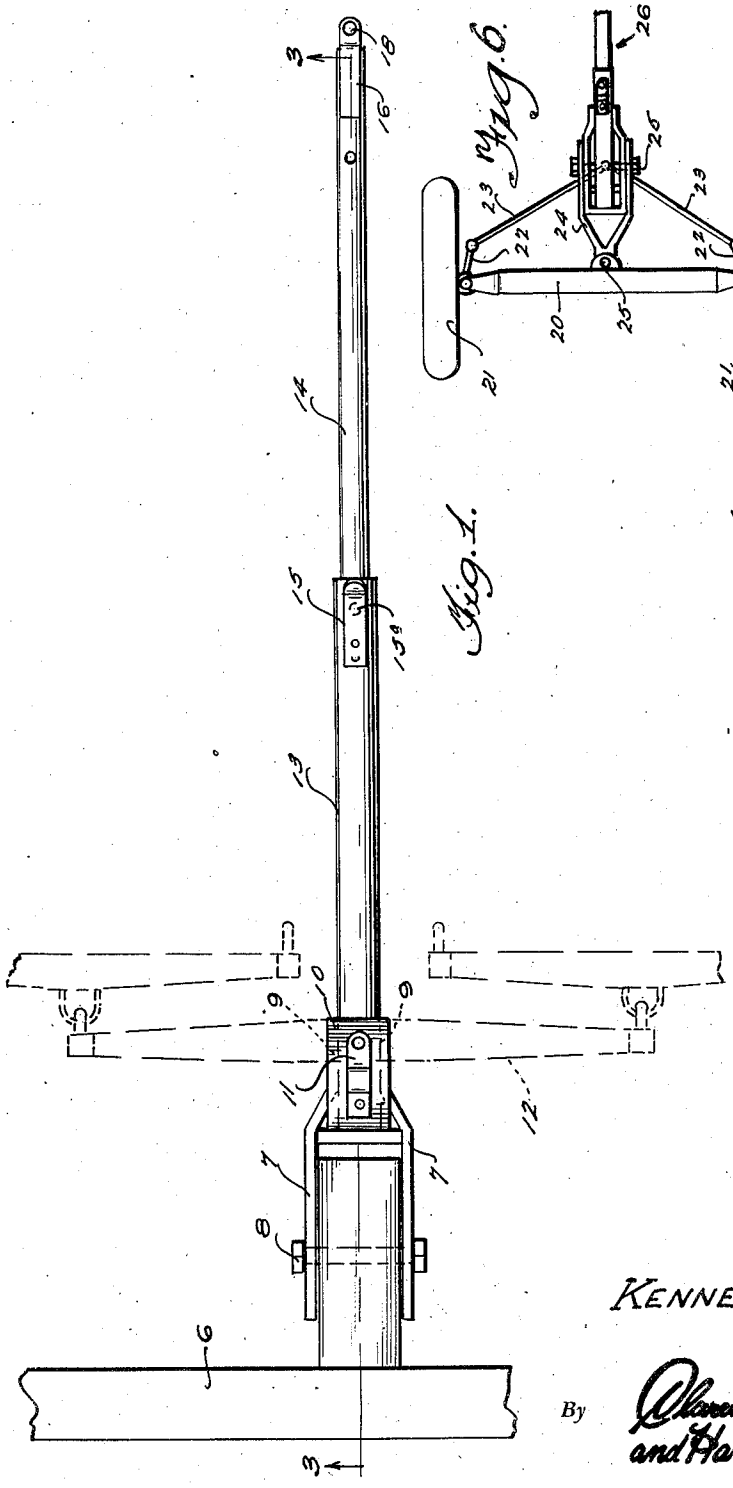


Fig. 1.

Fig. 3.

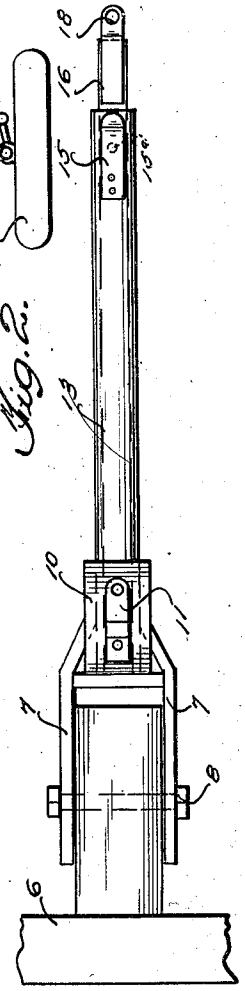


Fig. 2.

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WAGON, TRAILER AND IMPLEMENT TONGUE

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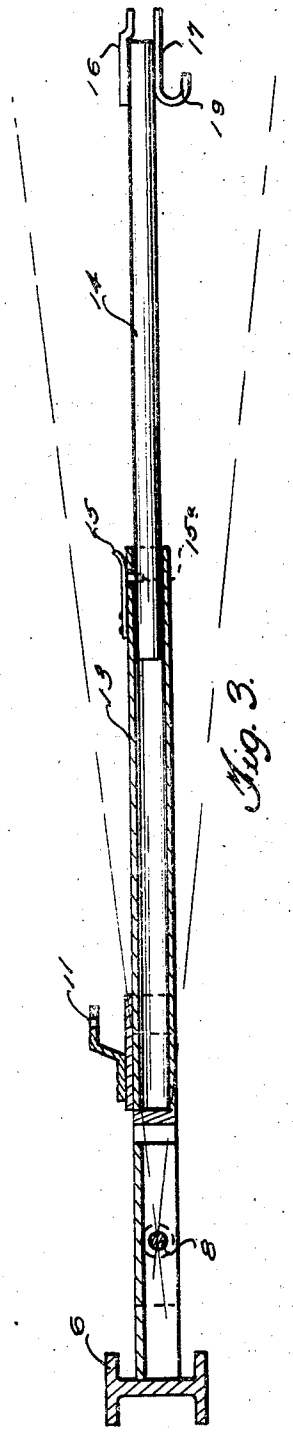


Fig. 3.

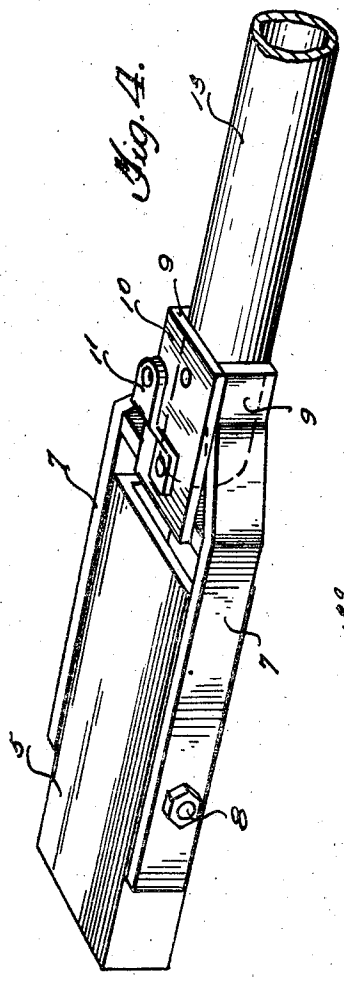


Fig. 4.

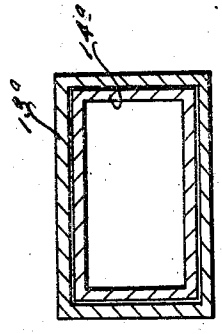


Fig. 5.

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UNITED STATES PATENT OFFICE

2,404,521

WAGON, TRAILER, AND IMPLEMENT TONGUE

Kenneth G. Myers, Alexander, Iowa

Application April 5, 1944, Serial No. 529,660

1 Claim. (Cl. 280—33.44)

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This invention appertains to new and useful improvements in draft devices and more particularly to a tongue which can be used either for wagon trailers or farm implements.

The principal object of the present invention is to provide a tongue structure made up of telescopic sections so that it can be used in various capacities in drawing vehicles or farm implements.

Other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawings:

Figure 1 is a top plan view of the tongue.

Figure 2 is a fragmentary top plan view showing the tongue in contracted position.

Figure 3 is a longitudinal sectional view through a portion of the tongue.

Figure 4 is an enlarged fragmentary perspective view.

Figure 5 is a cross-sectional view.

Figure 6 is a top plan view fragmentarily showing the tongue connected to an auto steer-type front axle.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 denotes a channeled member which is welded or otherwise secured to the usual front axle bar 6 of a wagon or trailer. This axle bar 6 should be steerable.

A pair of arms 7, 7 are bolted as at 8 to the channeled member 5 and converge at their outer ends as at 9 where they are bridged by a plate 10 on which is an apertured lug 11 which can be used when a double-tree 12 (see Figure 1) is to be employed, that is, when the tongue is to be used with horses.

The arm portions 9 overlap and are welded or otherwise secured to the inner end of a hollow tube 13. This tongue structure has a slide section 14 which is slidable in the section 13 and at its inner end has a recess for receiving a pintle 15*a* on a spring 15, this spring being secured to the outer end portion of the section 13 with the pintle 15*a* operating through an opening in this end of the section 13.

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At the outer end of the tongue section 14 are upper and lower projecting members 16, 17 apertured as at 18 to permit disposition of a pin therethrough when attaching this end of the tongue to a tractor or any other structure. The member 17 has a neck yoke ring hook to be used when horses are used.

Figure 6 discloses an auto steer-type front axle, the axle being denoted by numeral 20 and having wheels 21 at the ends thereof adapted to be steered by arms 22 connected by link rods 23 to opposite sides of a yoke 24 which is connected by a kingpin 25 to the axle 20. The attaching end of the tongue of the present invention is secured to the yoke 24 by a bolt or the like 25, the present invention in Figure 6 being generally referred to by numeral 26.

If desired, the sections 13, 14 may be square or rectangular in cross-section as shown in Figure 5 and denoted by the reference characters 13*a* and 14*a*.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A draft tongue comprising a structure attachable hollow section, a second section slidable within the first section, each of said sections having an aperture therein, detent means secured to said first section and adapted to engage in both of said apertures when said apertures are in alignment, spring means biasing said detent toward said aperture, a finger grip on said spring means adapted for release of the same, and structure attaching means comprising upper and lower projecting members, apertured to receive a pin, and a neck yoke ring hook on the lower of said members at the outer end of the last-mentioned section, and a horse-draft securing means on the first section, said last-mentioned means comprising extending arms bridged by a plate and an apertured lug on said plate.

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