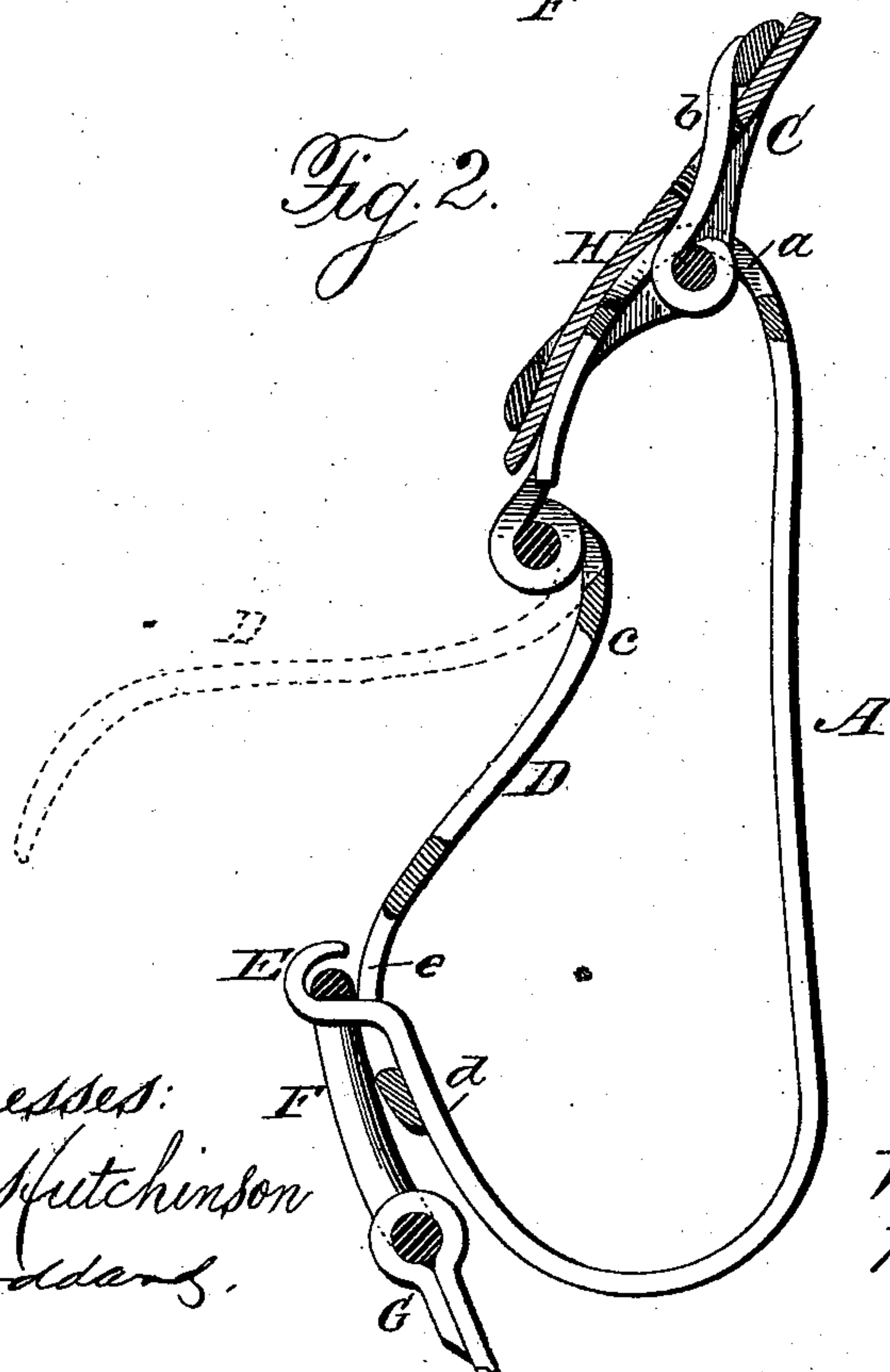
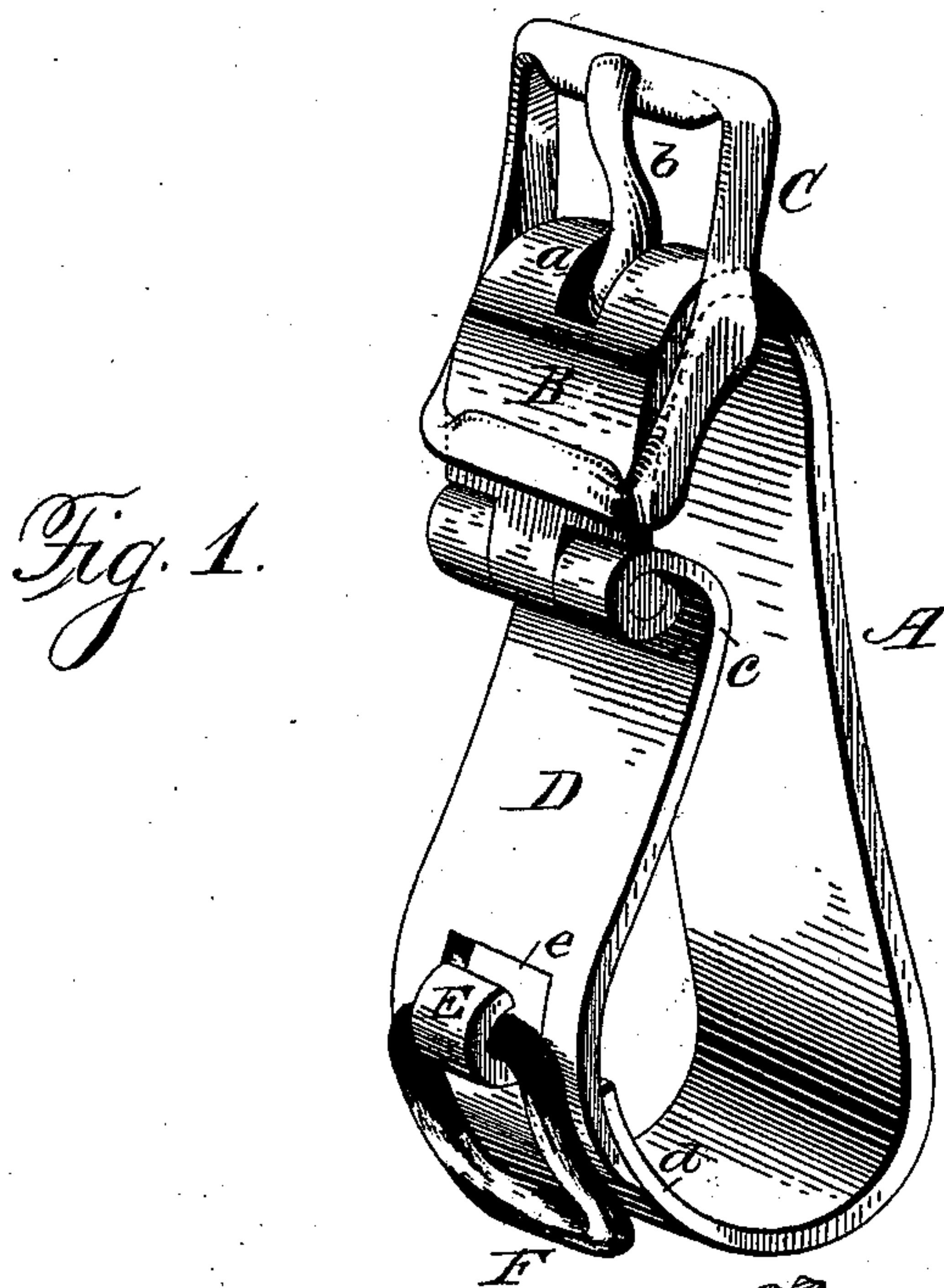


(No Model.)

W. CARTON.  
THILL TUG.

No. 533,048.

Patented Jan. 29, 1895.



Witnesses: F.  
Jas. Hutchinson  
G. Goddard.

Inventor.  
William Carlton.  
per Cha. H. Fowler  
Attorney.

# UNITED STATES PATENT OFFICE.

WILLIAM CARTON, OF TEMPLE, TEXAS.

## THILL-TUG.

SPECIFICATION forming part of Letters Patent No. 533,048, dated January 29, 1895.

Application filed October 19, 1894. Serial No. 526,338. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM CARTON, a citizen of the United States, residing at Temple, in the county of Bell and State of Texas, have invented certain new and useful Improvements in Thill-Tugs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to that class of devices for attachment to harness whereby the shafts are supported and conveniently removed therefrom, which devices are usually termed "thill tugs," and the invention consists of such a device as will be simple in construction and enable the shafts to be readily connected thereto or removed therefrom, and will possess strength and durability, and avoid the use of spring latches heretofore employed which are found to be objectionable on account of being affected by the weather.

The tug constructed in accordance with my invention is substantially shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings represents a perspective view of my improved harness or thill-tug; Fig. 2, a side elevation partly in section.

In the accompanying drawings A represents the main portion of the tug having a curved and slotted upper end B, and through the slot *a* extends the tongue *b* of a buckle C. To this buckle is connected the strap of the harness saddle whereby said tug is supported in the usual manner. To the end B is hinged the locking-plate D, which plate extends from its lower to its upper end for the purpose of confining the shaft or thill to the lower part of the tug and prevent its moving up and down in the tug when the vehicle is in motion, the elbow *c* being formed in the plate for this purpose. The lower end of the locking-plate D overlaps the bearing extension *d* which is curved in an upward direction and forms

a support for the end of the plate, as shown in Fig. 1 of the drawings. The curved bearing extension *d* terminates in a flat hooked tongue E which extends through a slot or opening *e* in the locking-plate. A loop F engages the hooked tongue, and to this loop is attached the usual girt-strap as shown at G, the strap of the harness saddle being shown at H, in Fig. 2 of the drawings. This loop forms the means by which the plate D is securely locked to the main portion of body A of the tug, thereby avoiding the use of springs, bolts, and other like fastenings, which are objectionable on account of the liability of getting out of order and becoming inoperative and also the springs being affected by the weather render such fastenings impracticable. The curve of the tongue E is of such extent as to prevent the loop from being accidentally disengaged therefrom, and can only be disconnected when brought to a horizontal position or nearly so.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A metal thill-tug, consisting of a main or body portion having a suitable buckle at its upper end and its lower end curved upward and terminating in a hooked tongue, a hinged locking-plate adapted to overlap the curved end of said body portion and having a slot or opening with which the hooked tongue engages, and means which will serve the double purpose of locking the hinged plate in position and attaching the girt-strap, consisting of a loop detachably connecting the hooked tongue, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM CARTON.

Witnesses:

J. N. BAUGH,  
J. T. TOOLEY.