

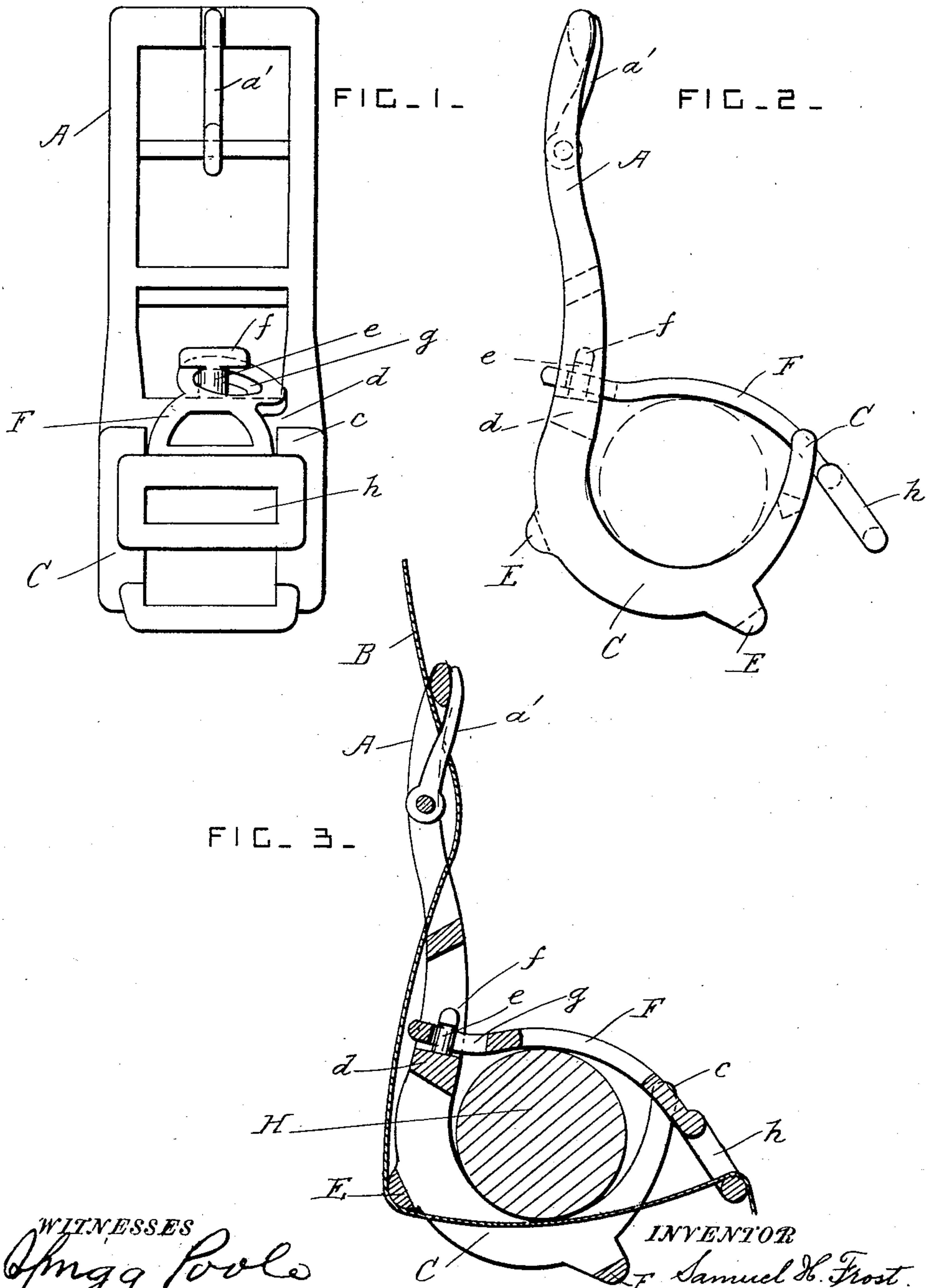
No. 750,841.

PATENTED FEB. 2, 1904.

S. H. FROST.
THILL TUG.

APPLICATION FILED JUNE 9, 1903.

NO MODEL.



WITNESSES
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UNITED STATES PATENT OFFICE.

SAMUEL H. FROST, OF FRANKLIN, MASSACHUSETTS.

THILL-TUG.

SPECIFICATION forming part of Letters Patent No. 750,841, dated February 2, 1904.

Application filed June 9, 1903. Serial No. 160,686. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. FROST, a citizen of the United States, residing at Franklin, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Thill-Tugs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to thill-tugs; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a front view of the fastening device or thill-tug. Fig. 2 is a side view of the same. Fig. 3 is a longitudinal section through the fastening device, showing also the fastening-strap and the shaft.

A is a buckle provided with a pivoted tongue *a'* for engaging with a fastening-strap B, which forms a portion of the harness.

The buckle A has a hook-shaped extension C, which has a forked end portion *c*, and *d* is a cross-bar at the junction of the buckle with the extension. The cross-bar *d* has at its middle portion an upwardly-projecting pin *e*, having a T-shaped head *f*. The hook-shaped extension C has also two offset cross-bars E on its convex side.

F is a curved tongue which engages with the forked end portion *c*. One end of this tongue is provided with a diagonally-inclined slot *g*, which is slipped over the head *f* into engagement with the pin *e*, and the other end of the tongue is provided with an eye *h*. The diagonal slot *g* is slipped over the T-shaped head *f* of the pin when the tongue F is above the forked part *c* and turned around against

one side of the part C, and the tongue has to be raised and turned back to that position by hand before it can be removed from the pin. When the strap breaks, the tongue F springs up, but it does not fall off and become lost, as has been the case with devices of this sort as heretofore constructed.

H is a portion of one of the shafts by means of which the vehicle is drawn along. The shaft is inserted in the hook-shaped extension of the buckle under the tongue. One end of the strap B is passed through the eye *h*, so as to tighten the tongue upon the shaft; but any equivalent fastening-strap may be used instead of the strap B.

If preferred, the fastening strap or straps may be arranged as shown in the Patent No. 716,024, issued to me on December 16, 1902.

What I claim is—

The combination, with a buckle having a hook-shaped extension provided with a forked end portion, and a cross-bar arranged below the buckle and provided with an upwardly-projecting pin having a T-shaped head; of a tongue having a diagonally-inclined slot which is slipped over the said head into engagement with the said pin so that the other end portion of the tongue may be moved around and placed in engagement with the forked end portion of the said extension, and means for clamping the shaft between the said tongue and extension.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL H. FROST.

Witnesses:

ALICE J. MURRAY,
FREDK. K. DAGGETT.