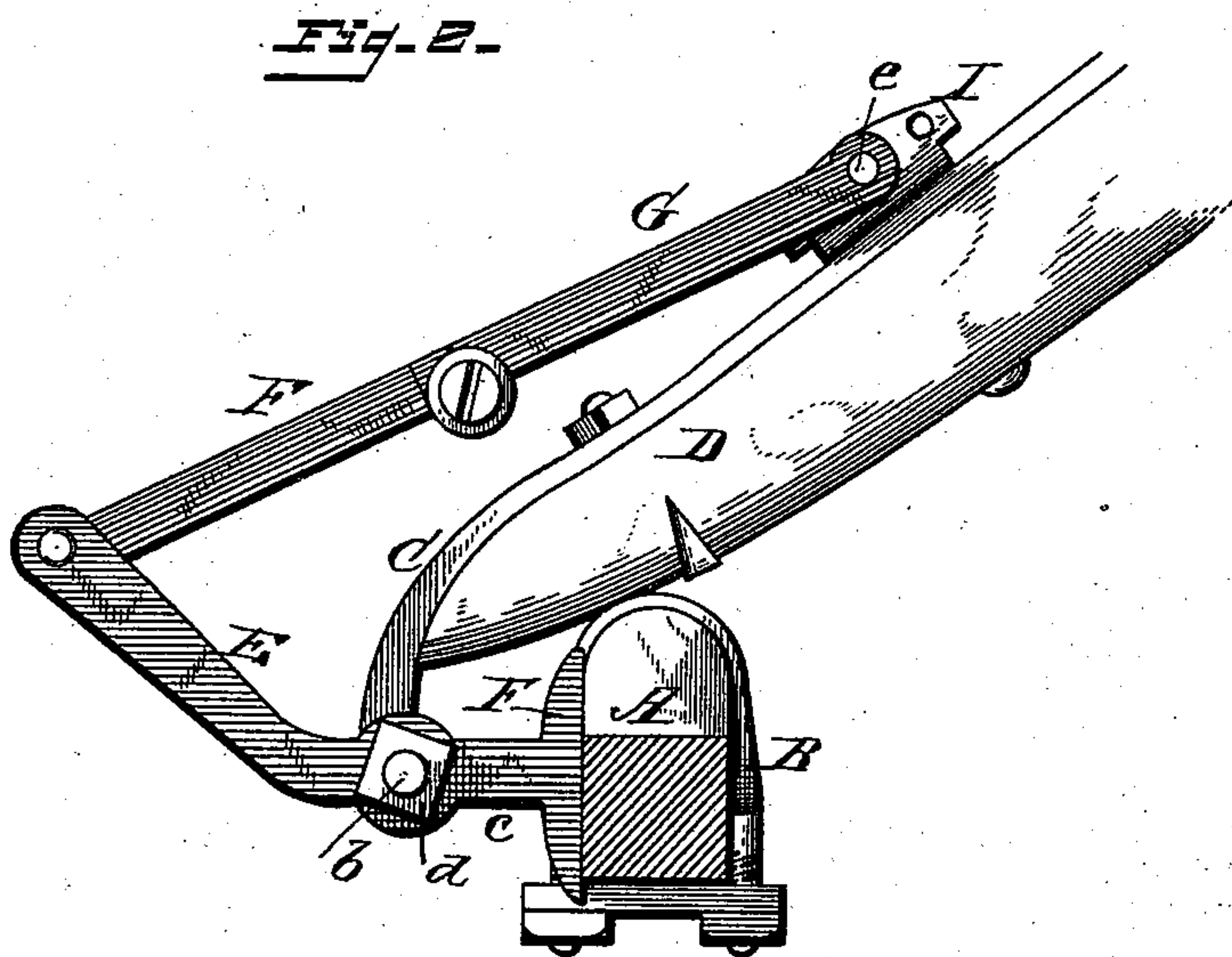
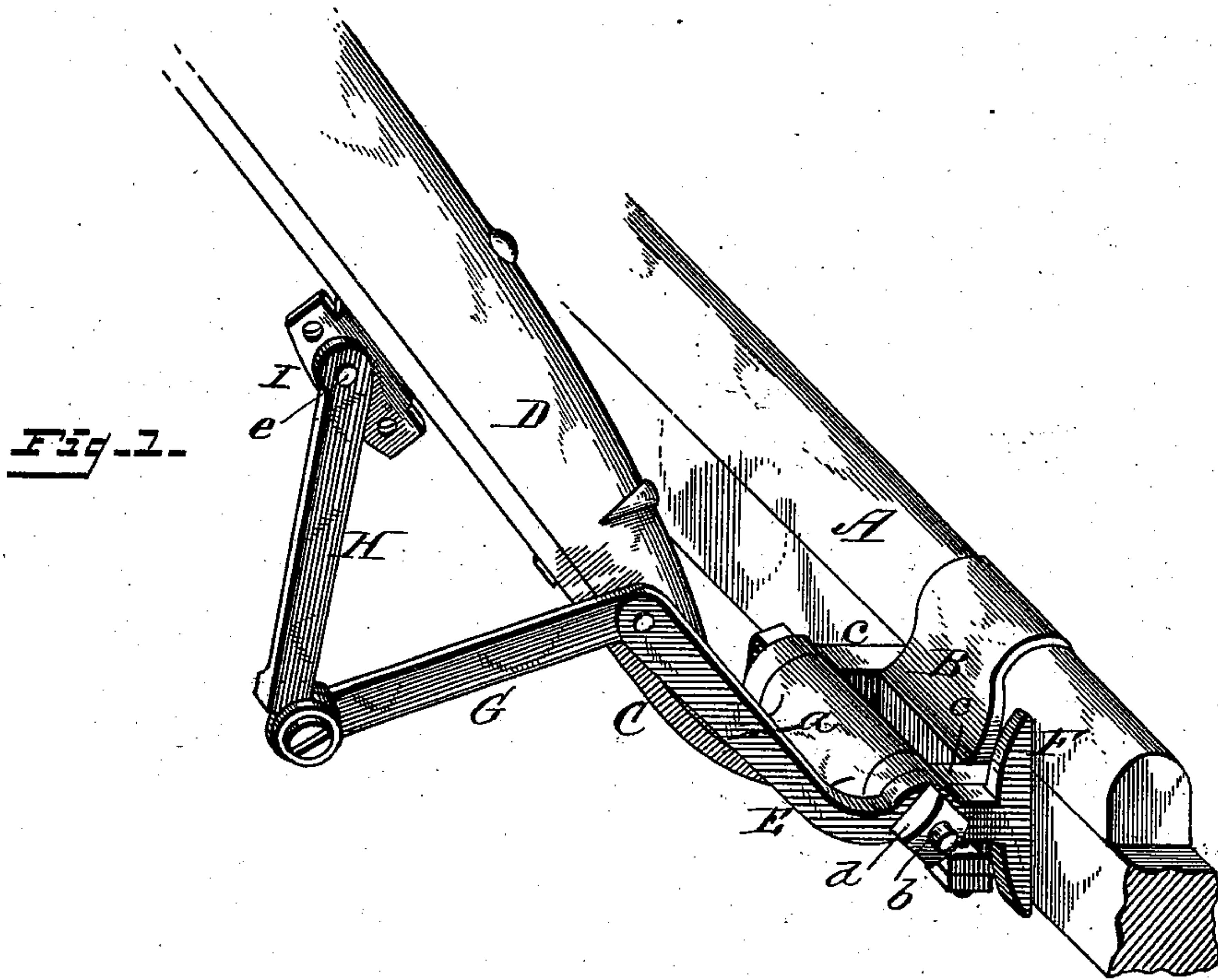


(No Model.)

A. ANGUS.  
THILL SUPPORT.

No. 377,922.

Patented Feb. 14, 1888.



Witnesses

Albert Speiden,  
C. W. Scott.

Inventor

Albert Angus.

By His Attorney

Chas. H. Fowler



# UNITED STATES PATENT OFFICE.

ALBIRTIS ANGUS, OF ST. JOHNSVILLE, NEW YORK.

## THILL-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 377,922, dated February 14, 1888.

Application filed December 16, 1887. Serial No. 258,050. (No model.)

*To all whom it may concern:*

Be it known that I, ALBIRTIS ANGUS, a citizen of the United States, residing at St. Johnsville, in the county of Montgomery and State of New York, have invented certain new and useful Improvements in Thill-Supports; 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 and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my improved thill-support, showing the thill in a partly-elevated position; Fig. 2, a side elevation showing the thill completely thrown back and locked in such position by my improved support.

The present invention has for its object to provide a simple and easily-operating device for supporting the thills of a vehicle in an upright or nearly upright position when not in use; and it consists in the several details of construction, substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A represents the axle of the vehicle, of the usual construction, to which is suitably attached the clip B of any desirable form. To the clip B is connected the thill-iron C of the thill D in the usual manner, said thill-iron, for this purpose, being provided with an eye, *a*, through which passes a screw-bolt, *b*. This bolt also passes through eye-plates *c* of the clip, and is held by nut *d* engaging the screw-threads on the bolt. Any suitable means may be employed for connecting the thill to the shaft of the vehicle; and I do not desire, therefore, to be limited to the means shown, as it constitutes no part of my invention. The same bolt that connects the thill-iron to the clip also connects an arm, E, thereto, which arm is curved upward at its

outer end, and at its rear end terminates in a brace, F, to bear against the axle, and thus form a perfect support for the arm to hold it in position and prevent it turning on the fastening-bolt. This feature is not only a simple and effective means to hold the arm stationary, but dispenses with keys and other attachments to attain this end, while it adds strength to the arm. To the outer end of the arm E is pivoted one end of a toggle-lever, G, and to the opposite end of the lever is pivoted a toggle-lever, H, the latter being adjustably pivoted to a bracket, I, secured to the under side of the thill-iron C. As a means for rendering the toggle-lever H adjustable on the bracket, I prefer to employ a pin, *e*, rigidly secured or formed on the end of the toggle-lever, said pin entering one of a series of holes, *f*, in the bracket, and held thereto by a screw-nut or key, as preferred.

By means of the adjustment of the toggle-lever the position of the thill can be regulated when thrown back out of the way, the throw of the lever being regulated for this purpose.

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

In a thill-support, the combination, with the thill and clip for attaching it to the axle, of a toggle-lever connected at one end to the thill and at the opposite end to an arm secured to the clip and terminating at its rear end in a brace to bear against the axle, 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.

ALBIRTIS ANGUS.

Witnesses:

H. D. ROCKEFELLER,  
WM. S. BURKE.