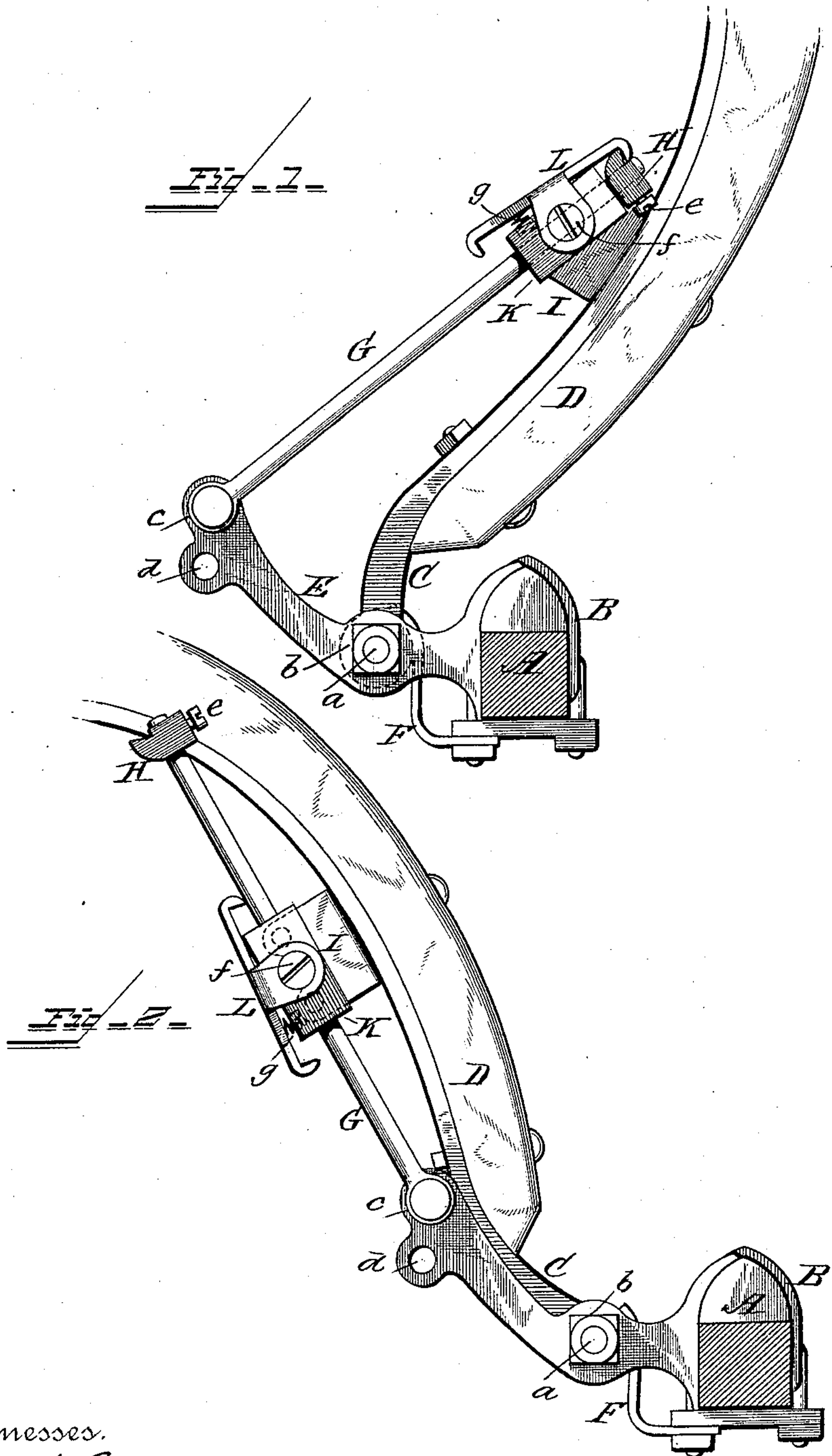


(No Model.)

A. ANGUS.
THILL SUPPORT.

No. 390,832.

Patented Oct. 9, 1888.



Witnesses.

Albert Spiden,
E. J. Bennett

Inventor.

Albert Angus.
By *his* Attorney
Chas. N. Fowler

UNITED STATES PATENT OFFICE.

ALBIRTIS ANGUS, OF ST. JOHNSVILLE, NEW YORK.

THILL-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 390,832, dated October 9, 1888.

Application filed June 21, 1888. Serial No. 277,827. (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 side elevation of my invention, showing the thill thrown back and retained in such position by the support; and Fig. 2, a similar view showing the thill brought in position for use.

The present invention has relation to devices for supporting the shafts or thills of a vehicle when thrown back out of the way and not required for use; and the invention is designed as an improvement on my former patent, bearing date February 14, 1888, No. 377,922; and the object thereof is to simplify the construction of parts and render them easier of operation and more effective as a support to the thill or shaft, which objects I attain by the construction substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A represents the usual axle of the vehicle, having attached thereto the clip B, and to this clip is attached in the ordinary manner the thill-iron C of the thill D. The bolt *a*, which passes through the eye of the thill-iron to connect it to the clip, also passes through a hole in an arm, E, to retain it in position, a nut, *b*, engaging with the screw-threaded end of the bolt upon the side of the arm. A spring, F, bears against the eye of the thill-iron to prevent the thill from rattling. The arm E has two holes, *c* *d*, a short distance from each other, and at the outer end of the arm, as shown, and in one of the holes, is pivoted one end of a rod, G, thereby admitting of the rod being adjusted to increase or diminish its distance from the axle to adapt it to circumstances.

To the free or opposite end of the rod G is a keeper, H, made adjustable thereon by means of the set-screw *e*, so that the position of the keeper on the rod can be changed to hold the thill suspended at any desired height.

To the under side of the thill-iron C is rigidly secured a bracket, I, to which is pivoted a block, K, by means of a screw, *f*, which also fastens to the or pivots thereto a latch, L, and between the latch and block is located a spiral or other form of spring, as shown at *g*. The bracket I has a series of holes, as shown in dotted lines, Fig. 2, so that the position of the block can be changed. The rod G, as will be seen, passes through the block K, and one works upon the other when the thill is raised or lowered.

When the thill is brought in position, as shown in Fig. 1, the end of the latch L will catch over the keeper H and be retained there by the spring *g*, which prevents it being accidentally disengaged therefrom, thereby firmly and securely holding the thill in an elevated position and at any desired height by the adjustment of the keeper H upon the rod G, thus providing a very simple and practical means for supporting the thill or shaft of a vehicle at the height required.

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 an arm projecting from the axle of the vehicle and provided with a pivoted rod having a keeper adjustable thereon, of a bracket secured to the thill-iron, a block pivoted to the bracket and carrying a pivoted latch, and a spring for retaining said latch in engagement with the keeper, substantially as and for the purpose set forth.

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

ALBIRTIS ANGUS.

Witnesses:

ALBERT SCHIFFER,
FRANK. S. MOSHER.