W. H. TRISSLER.

THILL-COUPLING.

No. 172,284. Patented Jan. 18, 1876.

Fig. 1.

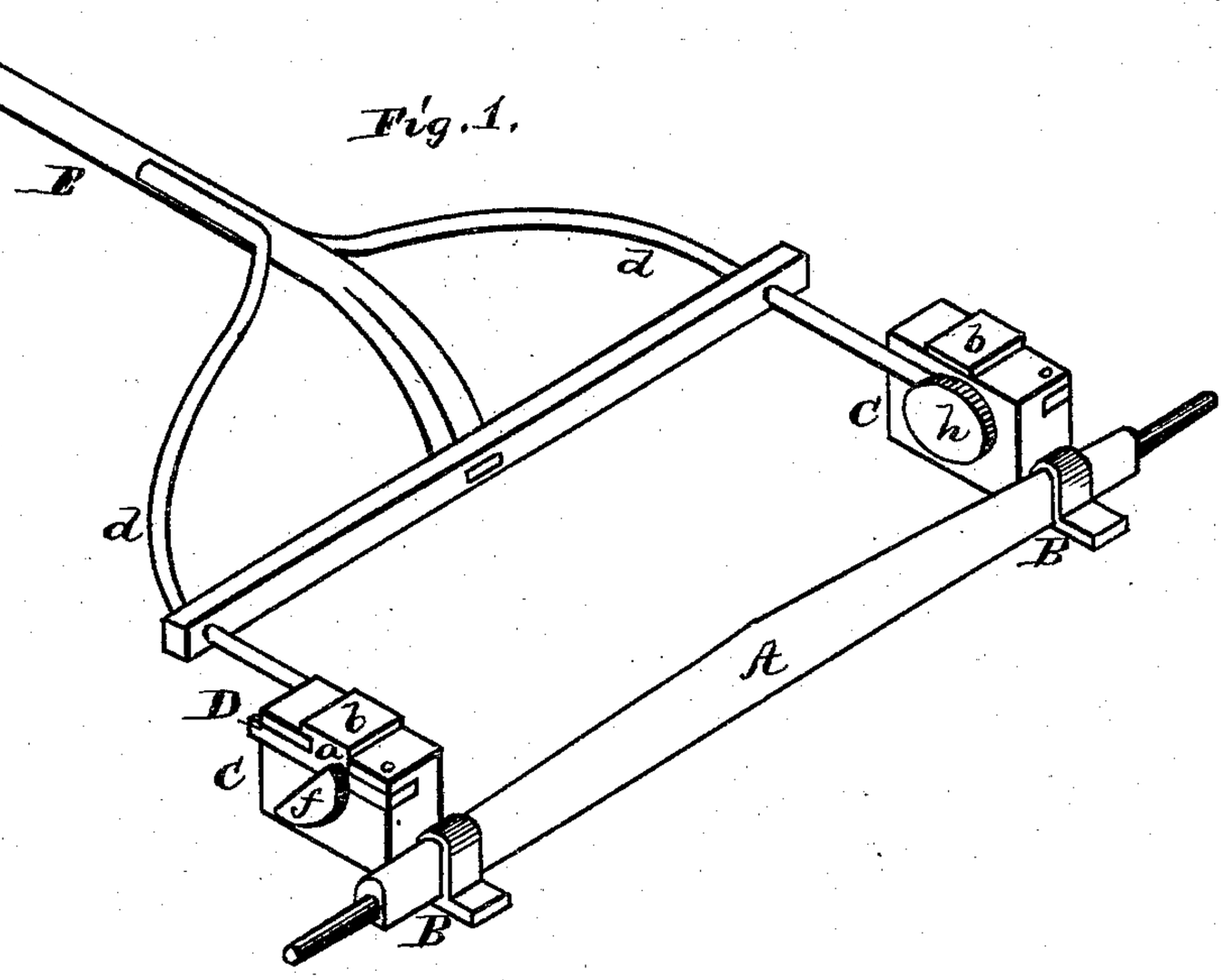


Fig. 2.

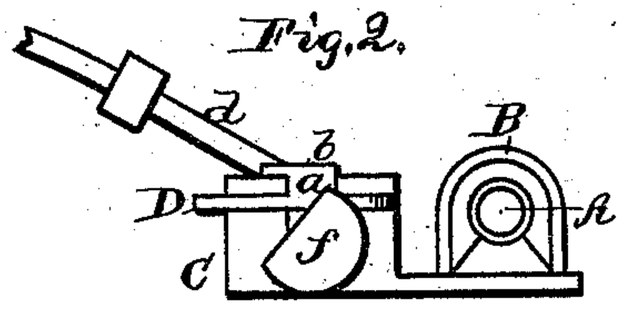
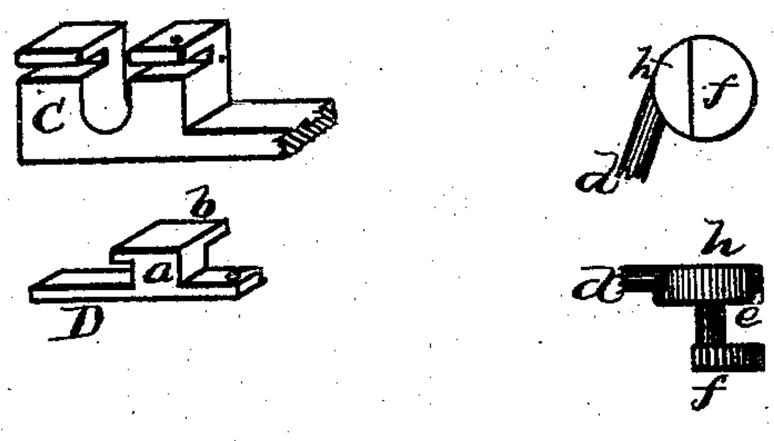


Fig. 3.



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WILLIAM H. TRISSLER, OF CLEVELAND, OHIO.

IMPROVEMENT IN THILL-COUPLINGS.

Specification forming part of Letters Patent No. **172,284**, dated January 18, 1876; application filed October 26, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. TRISSLER, of Cleveland, county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Thill-Coupling, of which the following is a specification:

This invention consists of a thill-coupling, provided with a hinged bar or journal-cap, as will be hereinafter more fully set set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view of an axle with pole and my thill-coupling. Fig. 2 is a side elevation of the same. Fig. 3 shows the coupling detached.

A represents the front axle of a vehicle, provided with clips B B. The bottom bar of each clip B is extended forward, and on its upper side is formed a box or bearing, C, which is open at the top. In the rear part of the box C is hinged or pivoted a bar, D, which opens outward, and when closed enters a groove or slot in the front part of the box. From the center of the bar D projects a neck, *a*, which enters the opening in the top of the box on the outer side, and from the upper end of said neck extends a plate, *b*, over the top of the box, to close the opening therein. E represents the pole, provided with the usual cross-bar, and having the iron rods or braces *d d* connected therewith. Upon the rear end of each rod *d* is securely fastened a disk or plate, *h*, from the center of which projects a pin or stem, *e*, having a segmental plate, *f*, on its outer end.

The bars D D being thrown open, the pole is taken and placed with the pins or stems *e e* in the boxes or bearings C C. By raising the pole to a certain altitude the straight sides of the disks *f* will be uppermost, allowing the bars D D to close, and by then lowering the pole the bars D will be locked by the circular portion of the segmental disks *f*. In like manner the pole can be easily taken out when desired. This coupling answers equally well for shafts as for a pole.

I am aware that a sliding journal cap or box has been heretofore used for thill-couplings, but the hinged bar D is an improvement upon the sliding journal-box.

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

1. The open box or bearing C, formed upon the extended bottom plate of the clip B, and provided with the pivoted bar D, having neck *a* and plate *b*, substantially as and for the purposes herein set forth.

2. The thill iron consisting of the disk *h*, stem *e*, and segmental disk *f*, in combination with the box or bearing C and pivoted bar D, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my invention, I hereunto affix my signature this 25th day of October, 1875.

WILLIAM H. TRISSLER.

Witnesses:

A. L. STRAUS,

FRANK STRAUS.