

J. H. KELLER.  
Harvester Reel.

No. 108,912.

Patented Nov. 1, 1870.

Fig. 1.

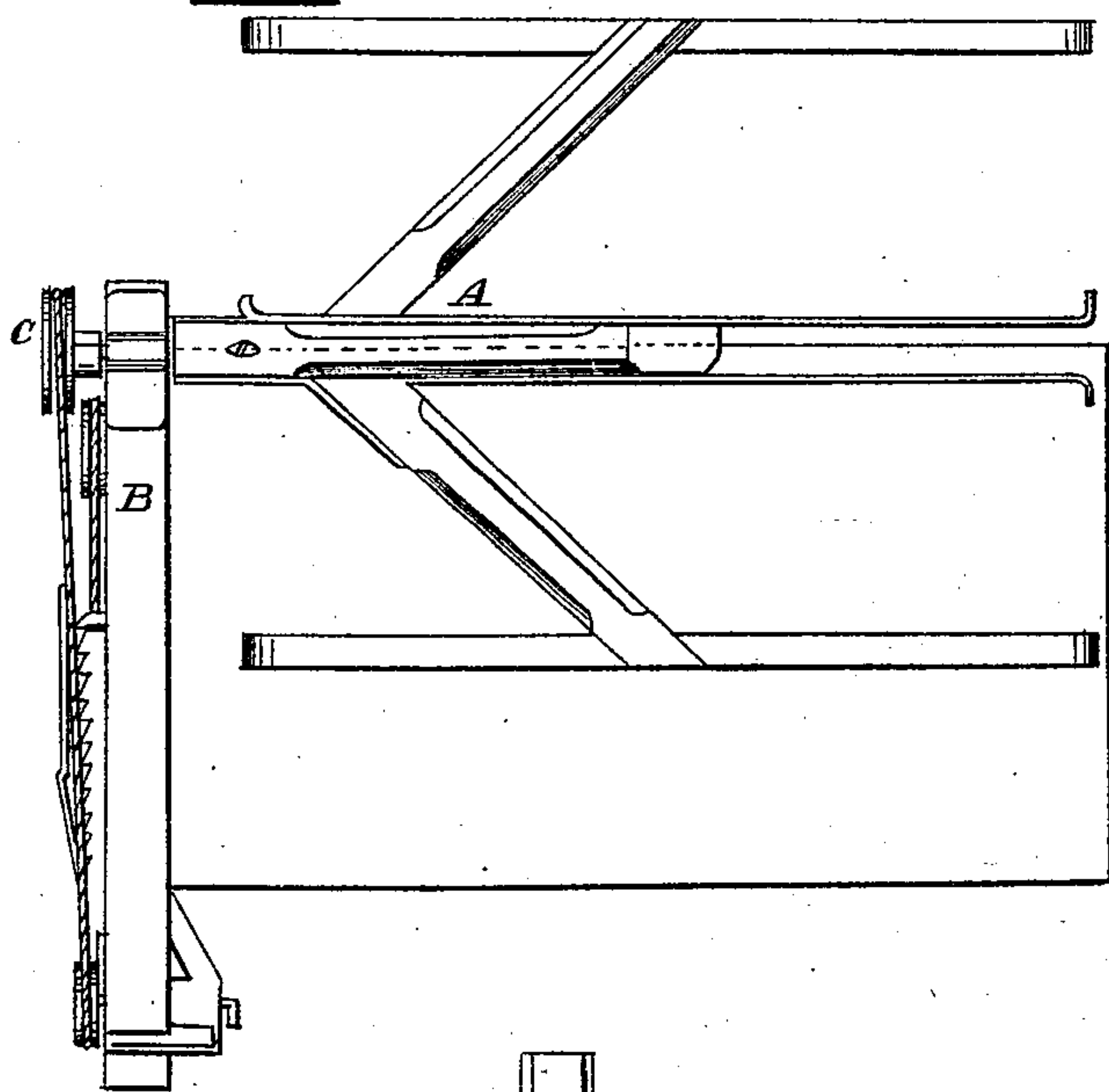
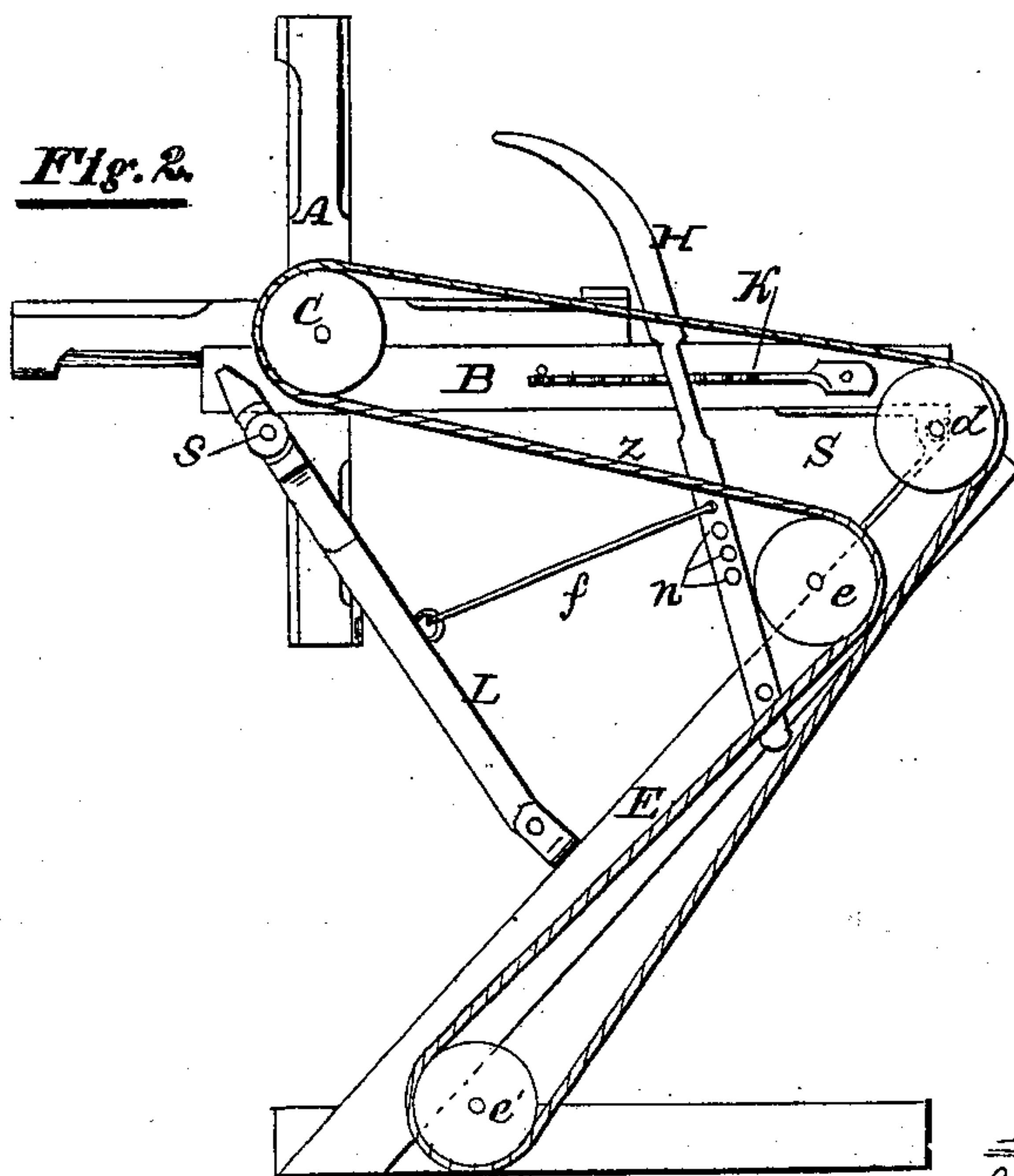


Fig. 2.



Witnesses.

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# UNITED STATES PATENT OFFICE.

JOHN H. KELLER, OF BOALSBURG, PENNSYLVANIA.

## IMPROVEMENT IN HARVESTER-REELS.

Specification forming part of Letters Patent No. **108,912**, dated November 1, 1870.

*To all whom it may concern:*

Be it known that I, JOHN H. KELLER, of Boalsburg, in the county of Centre and State of Pennsylvania, have invented a new and valuable Improvement in Reels for Harvesters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention. Fig. 2 is a side view of the same.

My invention has relation to an improvement in my reel for reaping-machines for which Letters Patent were granted August 31, 1869; and it consists in the construction and novel arrangement of devices whereby it is rendered more efficient.

The letter A of the drawing represents the reel pivoted to the movable arm B. The pulley on the end of the reel, by means of which it is operated, is denoted by *c*. *d* represents a pulley placed at the hinge or point of flexure; and *e e'* are similar pulleys, placed, respectively, at the upper and lower portions of the rigid oblique post E, which forms the lower portion of the reel-support S. H represents the lever by means of which the height of the

reel is adjusted, and *k* is the ratchet by which the lever is secured in any desired position. *z* designates the endless rope, so arranged that its tension upon the four pulleys shall be unchanged whatever be the position of the movable branch of the reel-support with reference to the rigid branch E. L designates an adjustable prop, pivoted to the oblique post E and connected by the adjustable rod *f* to the lever H, which is provided with a series of perforations, *nn*, for the adjustment thereof. The upper end of the prop L is forked, to provide bearings for a roller, *s*, designed to obviate the friction consequent upon the movement of the arm of the reel-support which bears upon it.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the standard E, hinged reel-support B, lever H, connecting-rod *f*, and prop L, provided with the friction-roller *s*, 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.

JOHN H. KELLER.

Witnesses:

J. S. HOUSMAN,  
D. F. LUSE.