

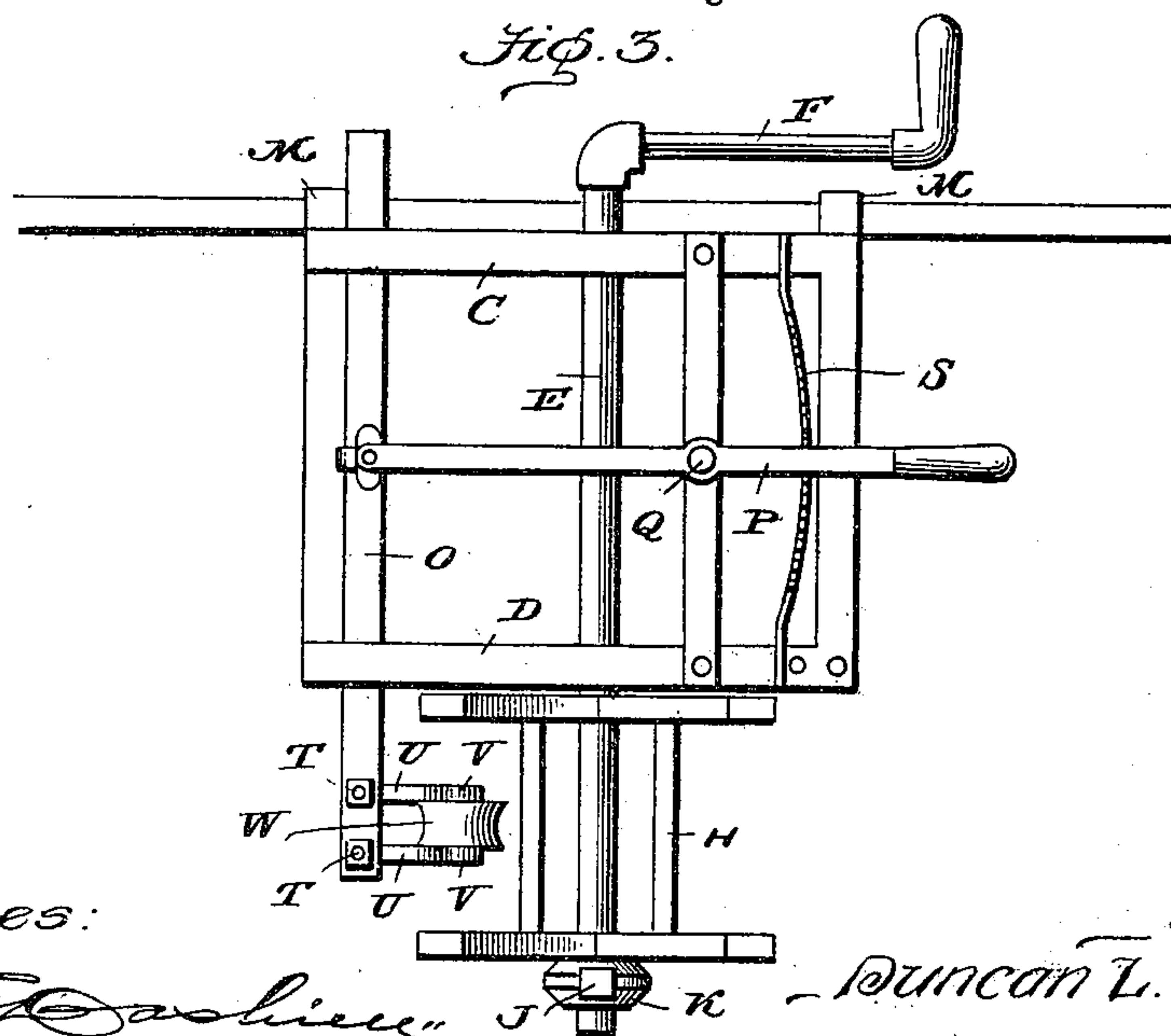
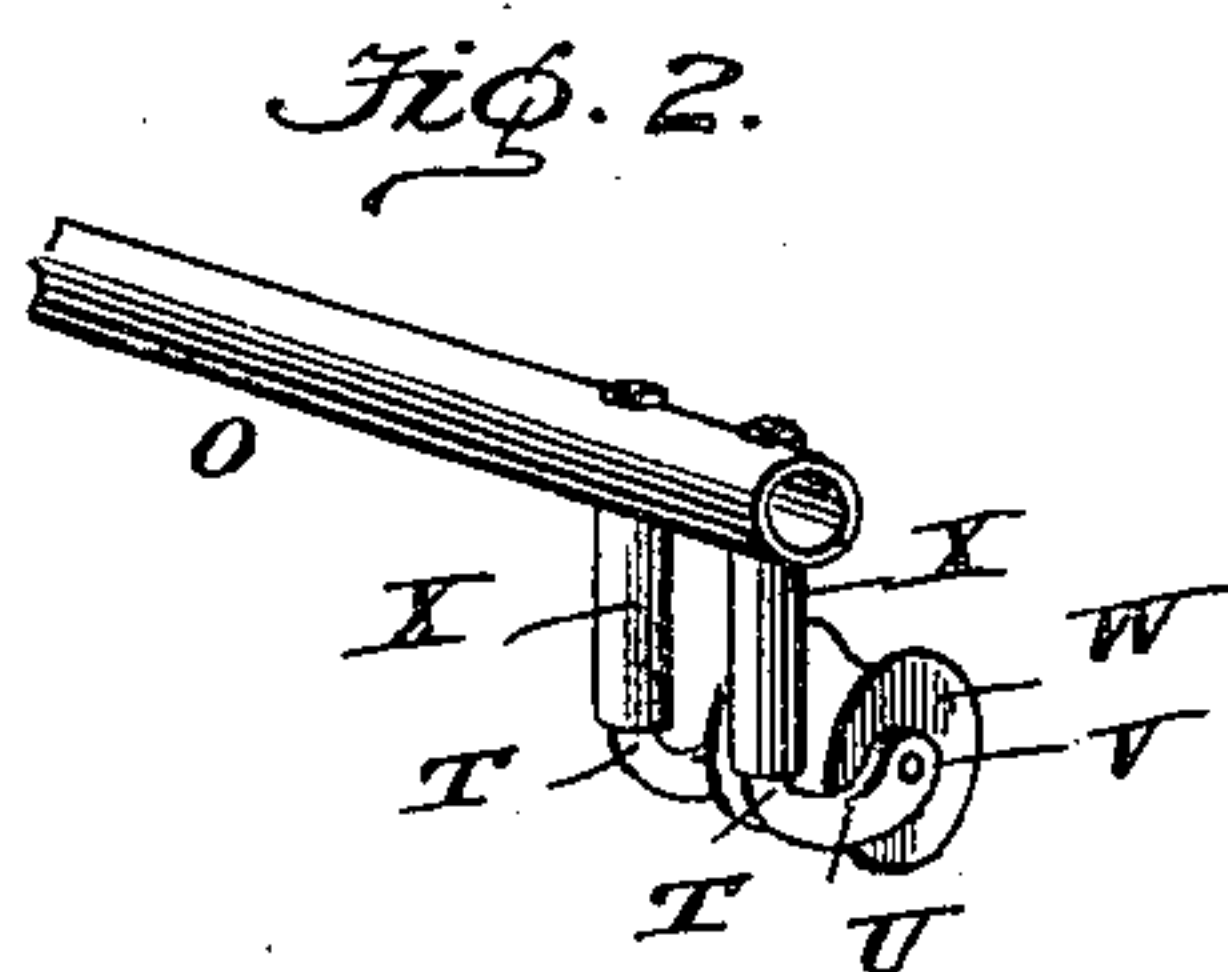
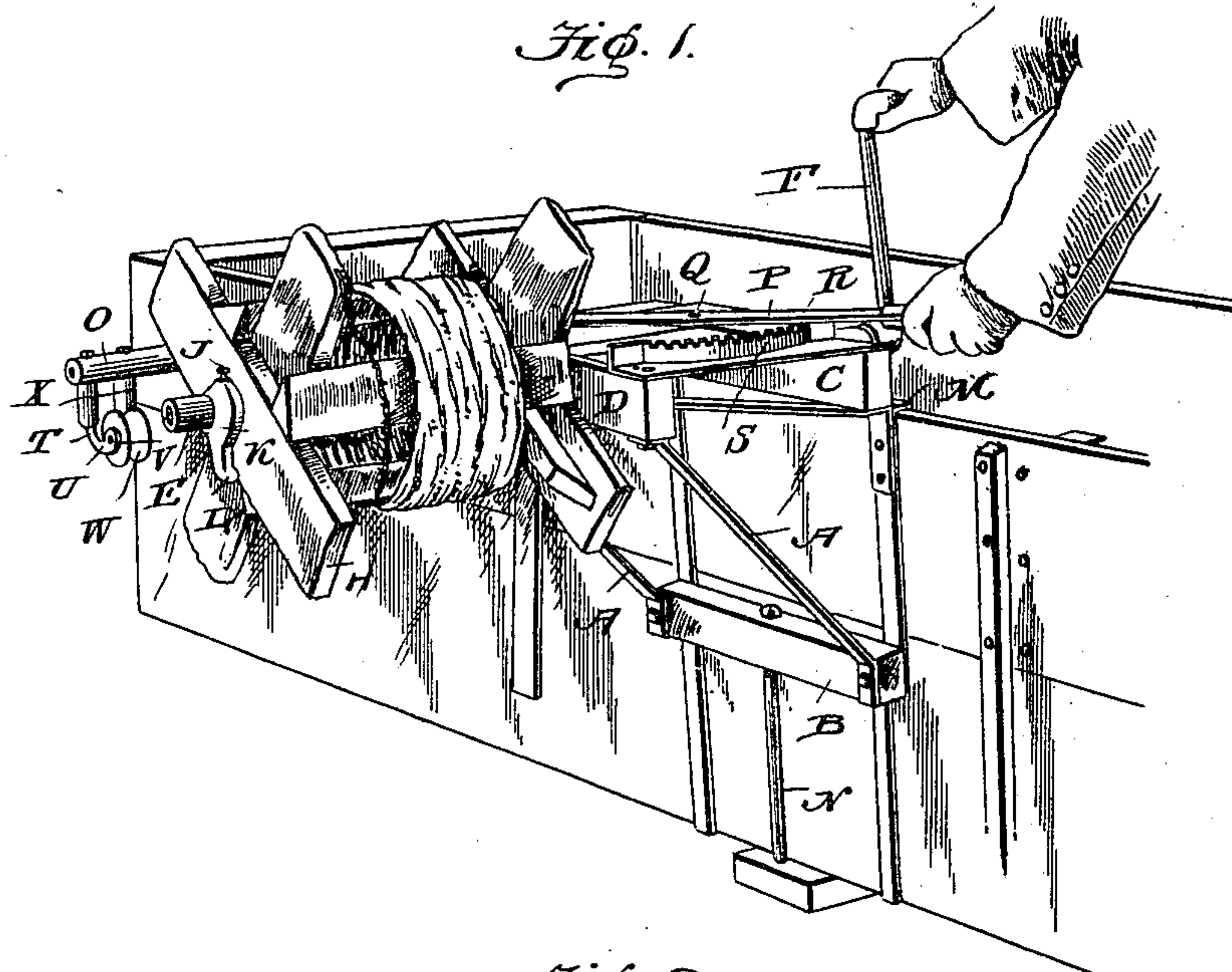
No. 667,788.

Patented Feb. 12, 1901.

D. L. MURCHISON.  
REEL HOLDER.

(Application filed Apr. 25, 1900.)

(No Model.)



Witnesses:

*Wm. C. Ashie*  
*Ed. Cummings*

Inventor  
Duncan L. Murchison.

By *David T. Moore*  
Att'y.



# UNITED STATES PATENT OFFICE.

DUNCAN L. MURCHISON, OF KEWANEE, ILLINOIS.

## REEL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 667,788, dated February 12, 1901.

Application filed April 25, 1900. Serial No. 14,311. (No model.)

*To all whom it may concern:*

Be it known that I, DUNCAN L. MURCHISON, a citizen of the United States, residing at Kewanee, in the county of Henry and State of Illinois, have invented certain new and useful Improvements in Reel-Holders, of which the following is a specification.

My invention relates to improvements in reel-holders; and the main object of my invention is the provision of a device to hold a reel securely in place and revolve the same to wind the wire thereupon or allow the wire to be reeled off when a fence is being made.

Another object of my invention is the provision of a reel-holder which has a device to guide the wire, especially barbed wire, to or from the reel and means to connect the holder to a wagon-body or any desired framework.

Another object of my invention is the provision of a simple, durable, and inexpensive reel-holder which is very useful and practical.

In the drawings, Figure 1 is a perspective view of the holder connected to a wagon-body. Fig. 2 is a detail view of the wire-guiding mechanism. Fig. 3 is a top plan view of the holder, and Fig. 4 is a view of the holder detached and out of use.

Referring to the drawings, A designates the two straps or strips of metal connected to the pieces B, C, and D, and journaled in the pieces C and D is the revoluble shaft E, provided with the crank F and the free end G to receive the wire-winding reel H and upon whose end is held, by means of the set-screw J, the ring K, provided with the hooked arm L to hold the reel stationary upon the shaft. Secured to the back of the metal straps are the hooks M, which, in connection with the large bolt N, connected to the piece B and the cross-piece of the wagon-body, hold the reel-holder securely in place. Journaled in the ends of the top pieces C and D and parallel with the shaft is the sliding shaft O, which is operated by the lever P, fulcrumed at Q, said lever being provided with the lug or dog R, which meshes with the teeth of the segment or ratchet S, secured upon the pieces C and D. Secured to and depending from the outer end of the shaft O are the rods T, which have the lower curved

ends U formed with eyes V to receive the axle of the pulley W, which guides the wire evenly from the reel, and to guard against the wire catching the rods T, I place the rollers X thereon.

From this description, taken in connection with the drawings, the operation of my improved reel-holder will readily be seen and its numerous advantages fully appreciated; but, briefly stated, it is as follows: The frame is hooked upon the wagon-body or any suitable supporting-frame, and the bolt N is secured in place, so that the frame is made rigid. The reel is placed upon the shaft, and the fastener is made secure with the reel and the shaft, so as to make the reel revolve with the shaft. If the wire is to be rewound, the crank is revolved, and as the wire passes onto the reel the lever is so operated as to bring the guide-pulley directly below the wire, so as to insure an even feeding of the wire and also to prevent its entanglement. To unwind the wire, I simply reverse the operation of the crank or allow the reel to be revolved as the wagon is moved by the horses.

It is evident that I provide a very simple, durable, and cheap reel-holder which is thoroughly efficient in every particular, and is very practical in use.

I claim—

1. A reel-holder, comprising three horizontal pieces, two triangular metal strips each provided with a hook and forming a framework with the horizontal pieces, in combination with a shaft mounted in the two upper horizontal pieces, a handle carried upon the inner end of said shaft, a reel carried upon the outer or extended end of said shaft, a sliding shaft mounted in said horizontal pieces parallel and in front of the main shaft, a lever fulcrumed or pivoted to the framework having one end swingingly connected to the sliding shaft and a handle upon the other end, a lug depending from said lever, a segmental rack-bar supported by the frame and adapted to have its teeth engaged by the lug of the lever, and a guiding-pulley secured to and depending from the outer end of the sliding shaft to guide the wire to or from the reel.

2. A reel-holder, comprising three horizontal pieces, two triangular strips each provided

with a hook and forming a framework with the horizontal pieces, and a rod or clamping device for engaging a portion of a wagon-body to hold the frame securely in place by drawing  
5 the hooks firmly down upon the upper edge of the wagon-body, in combination with a shaft mounted in the two upper horizontal pieces, a handle carried upon the inner end of said shaft, a reel carried upon the outer or  
10 extended end of said shaft, a ring having a hooked end fitting upon said shaft to hold the reel rigidly upon the shaft, a sliding shaft mounted in said horizontal pieces parallel and in front of the main shaft, a lever ful-  
15 crumed or pivoted to the framework having

one end swingingly connected to the sliding shaft, and a handle upon the other end, a lug depending from said lever, a segmental rack-bar supported by the frame and adapted to have its teeth engaged by the lug of the lever, 20 and a guiding-pulley secured to and depending from the outer end of the sliding shaft to guide the wire to or from the reel.

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

DUNCAN L. MURCHISON.

Witnesses:

WILLIAM W. FISHER,  
JOHN W. LOWE.