

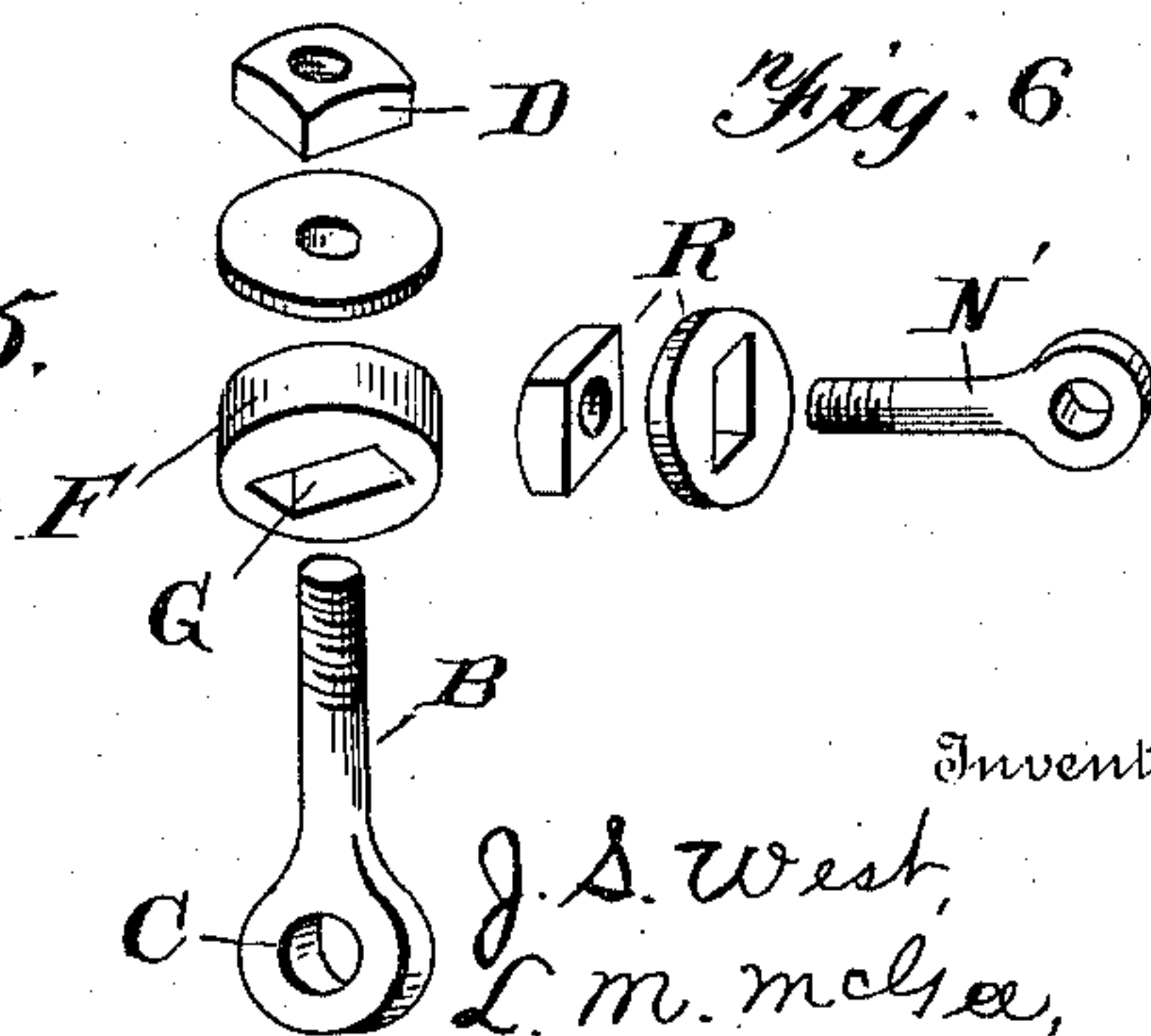
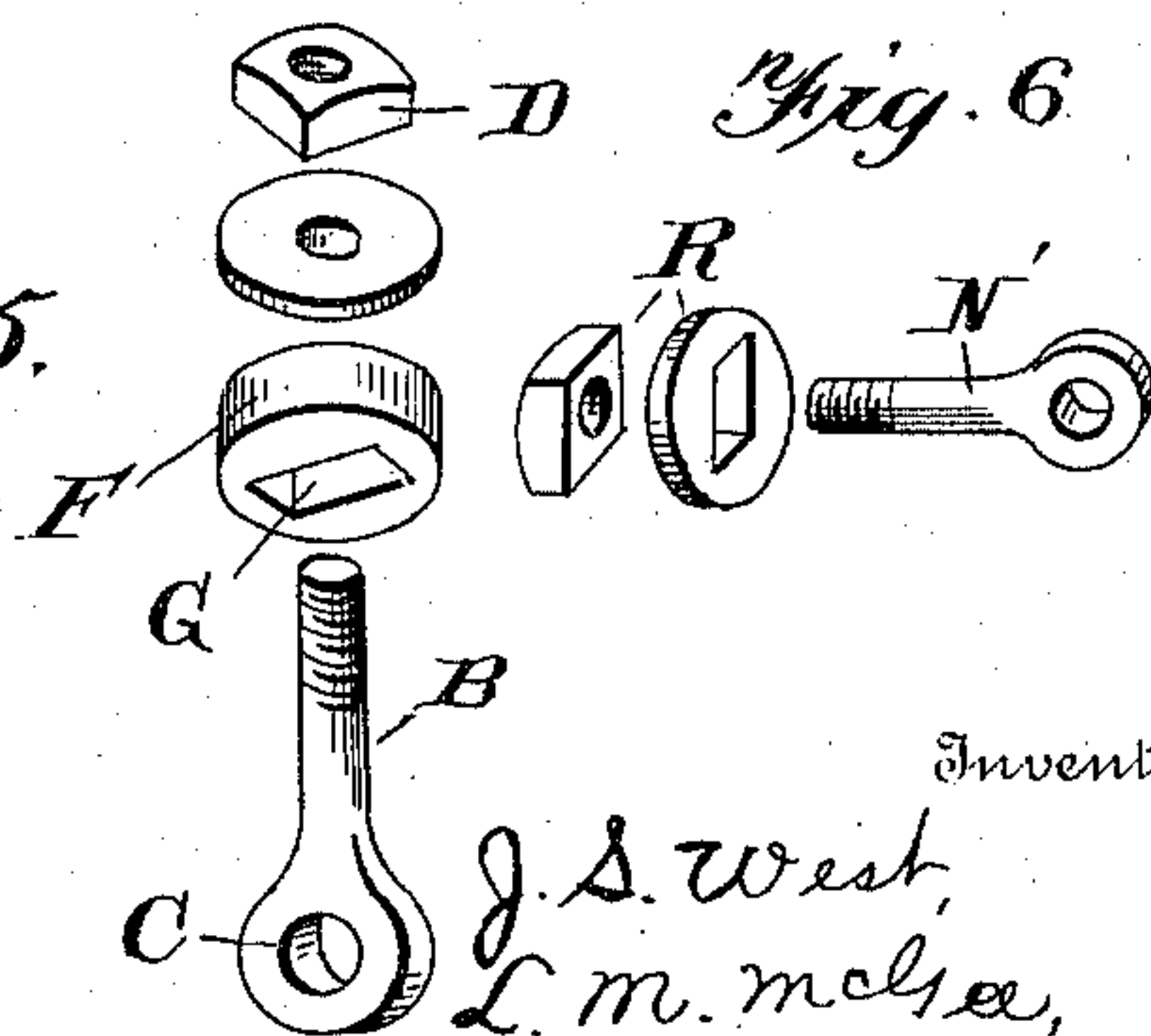
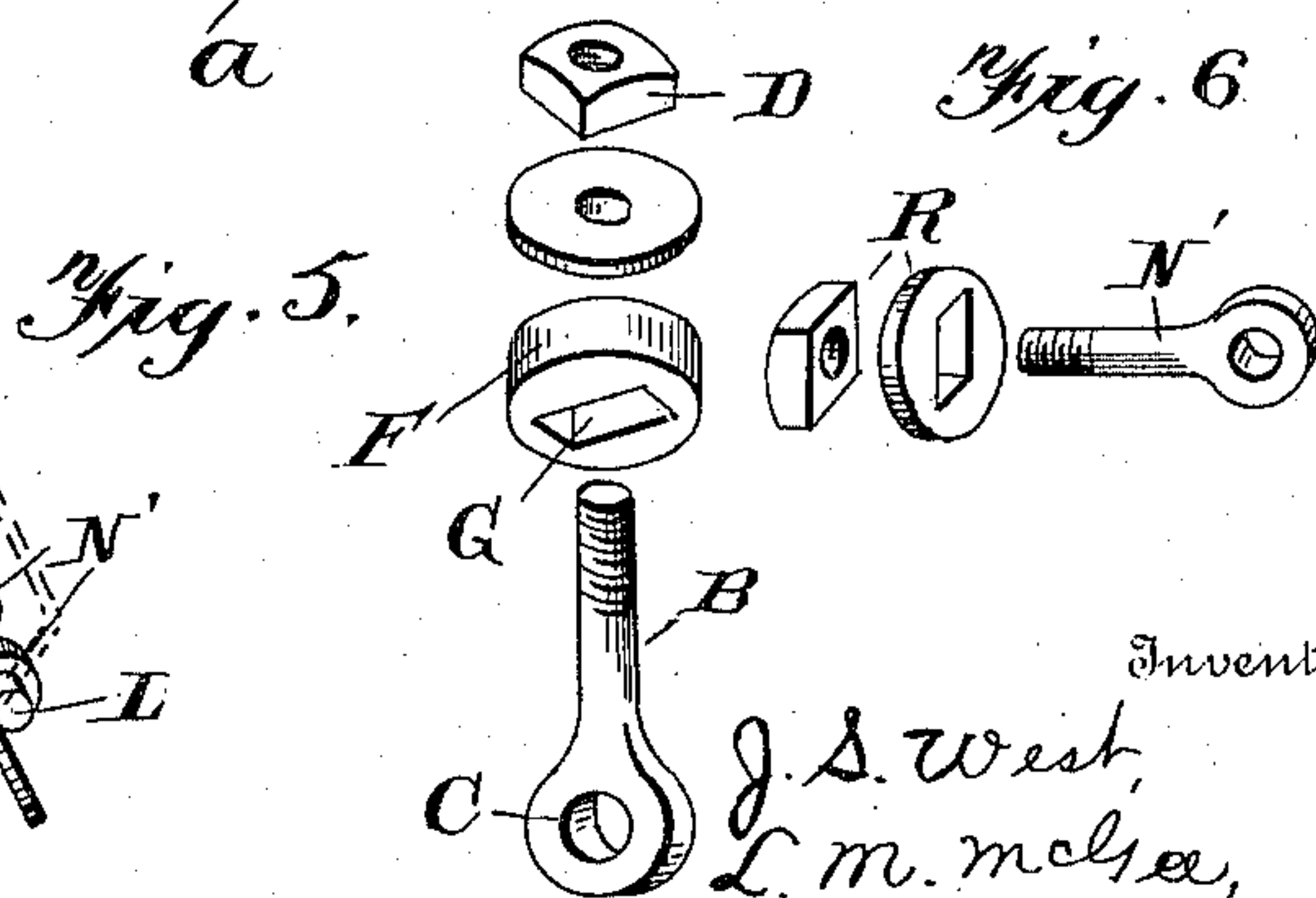
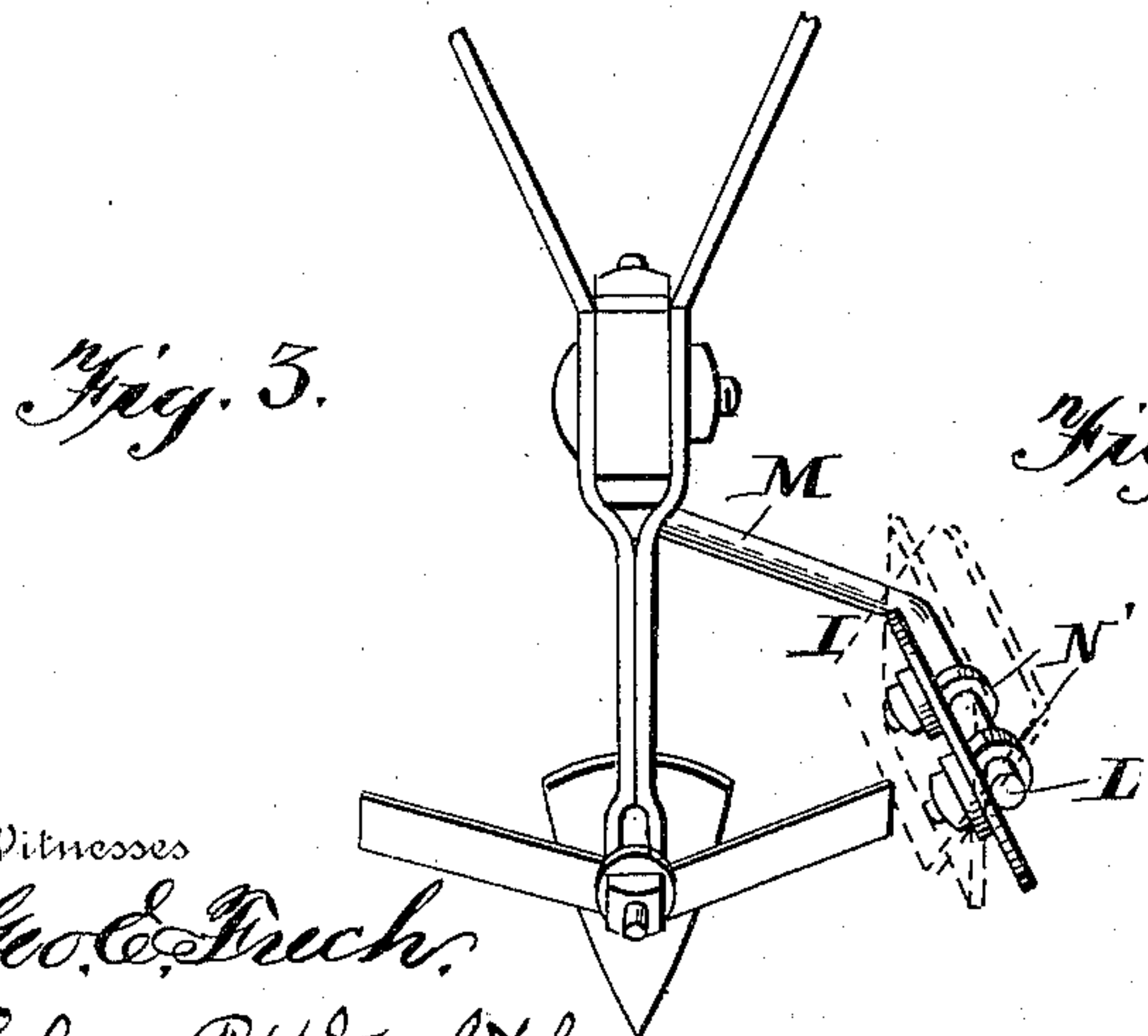
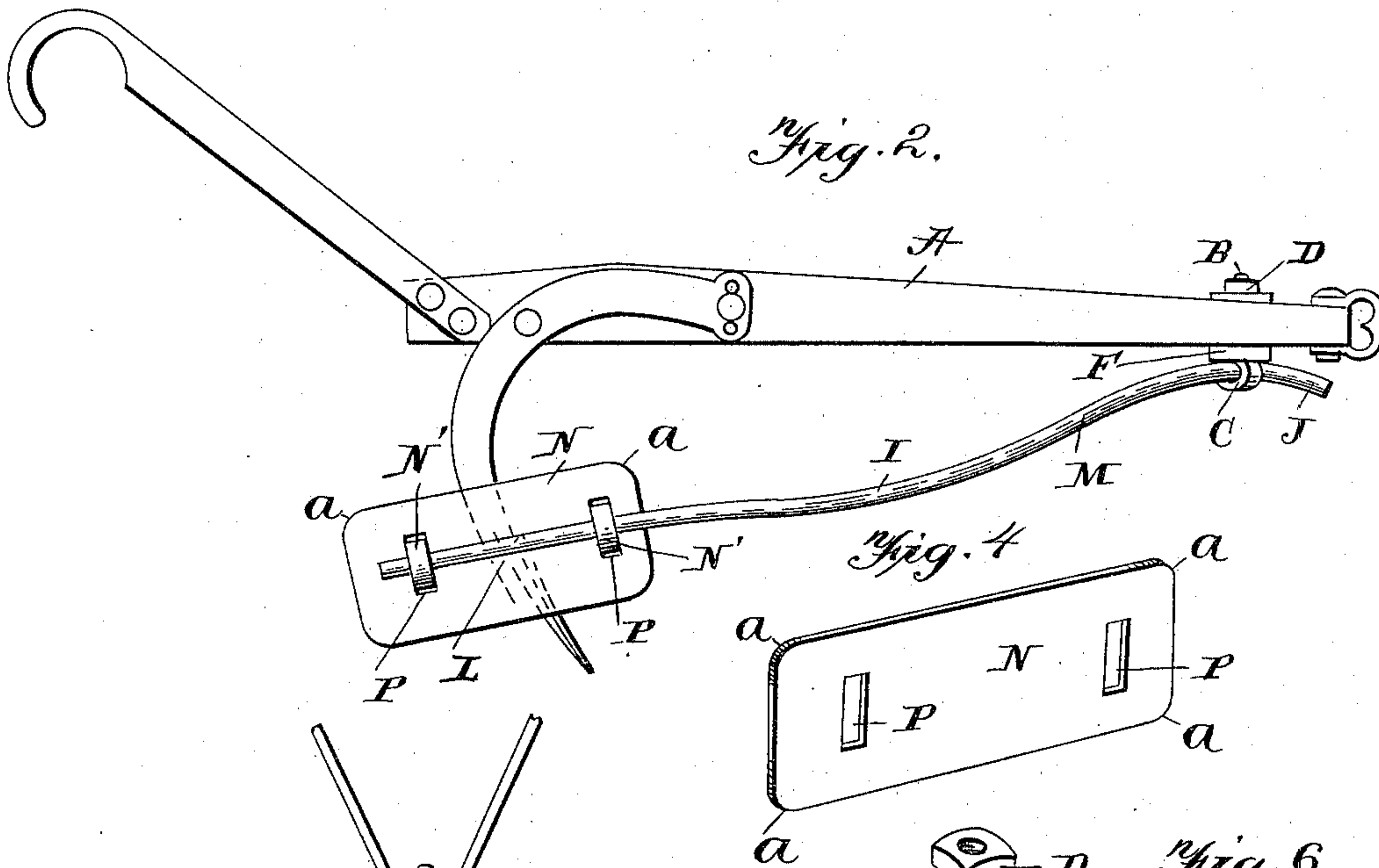
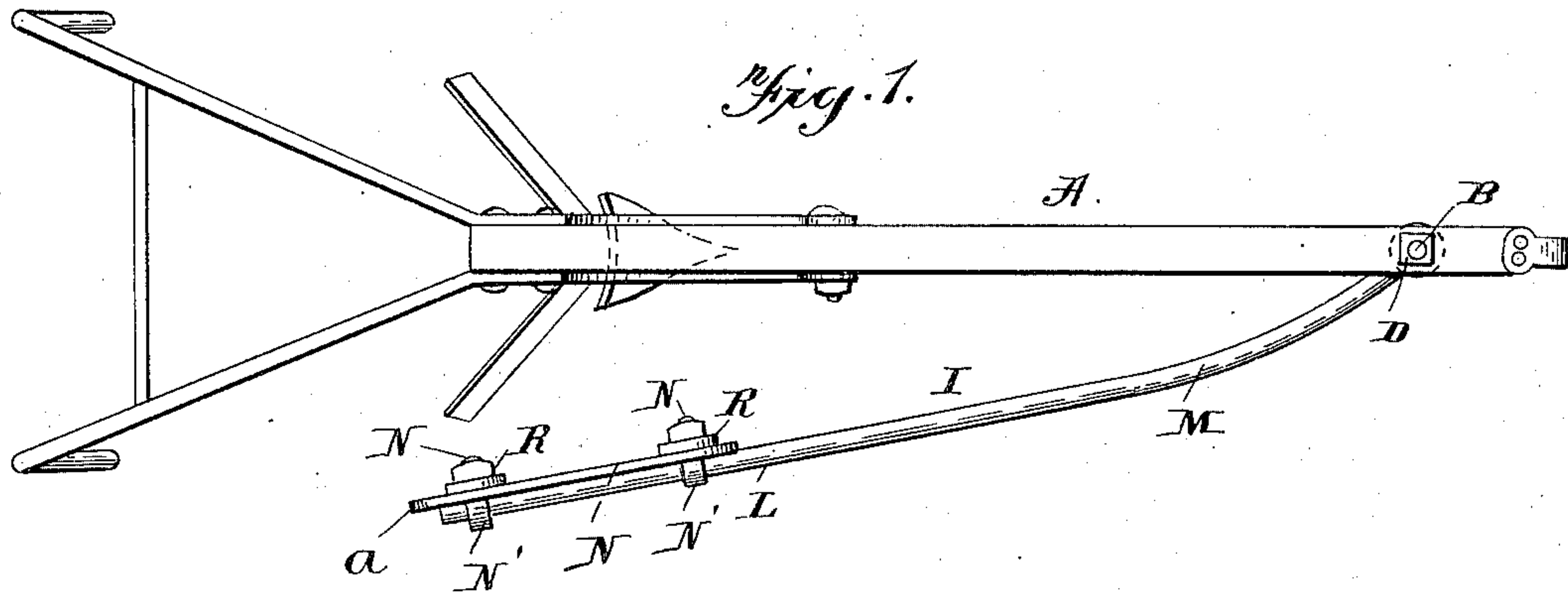
No. 639,119.

Patented Dec. 12, 1899.

J. S. WEST & L. M. McGEE.  
PLOW OR CULTIVATOR FENDER.

(Application filed June 3, 1899.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

JOSEPH S. WEST AND LEWIS M. MCGEE, OF POWELLVILLE, GEORGIA.

## PLOW OR CULTIVATOR FENDER.

SPECIFICATION forming part of Letters Patent No. 639,119, dated December 12, 1899.

Application filed June 3, 1899. Serial No. 719,263. (No model.)

*To all whom it may concern:*

Be it known that we, JOSEPH S. WEST and LEWIS M. MCGEE, citizens of the United States, residing at Powellville, in the county of Coweta and State of Georgia, have invented new and useful Improvements in Plow or Cultivator Fenders, of which the following is a specification.

Our invention relates to improvements in plow and cultivator fenders and pertains to a fender having an oscillating fender-blade, all of which will be fully described hereinafter and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a top plan view of a plow with our invention attached thereto. Fig. 2 is a side elevation of the same. Fig. 3 is a rear end elevation showing our invention attached to a plow and the oscillating blade shown in its adjustable positions in dotted lines. Fig. 4 is a detached view of the oscillating fender-blade. Fig. 5 is a detached view of the clamping-bolt and its nut for clamping the fender-blade-supporting rod to the plow or cultivator beam. Fig. 6 is a detached view of one of the eyebolts for clamping the oscillating blade to its supporting-rod.

Referring now to the drawings, A indicates the beam of a plow of any desired form, according to the character of work it is desired to perform, which is usually regulated according to the kind of plants that are being cultivated. Passing through the beams vertically is a clamping-eyebolt B, having at its lower end an eye C and its upper end screw-threaded and receiving a clamping-nut D. Surrounding this clamping-bolt and between its eye and the under side of the beam is a coacting clamping-nut F, which is provided at its under side with a slot G to receive the eye of the bolt and enable the bolt to clamp the forward ends of the fender-supporting rod I in position to the beam, as illustrated. This fender-supporting-rod I may be formed of round or angular iron, as desired, and is preferably constructed of spring-steel. This rod I preferably has its forward end curved slightly downward, as shown at J, then slightly curved rearwardly, as illustrated at L, and the forward end M made straight and preferably bent slightly downward in respect to the other portion of the rod, as illustrated.

Secured to this straight portion L of the rod is an oscillating fender-blade N through the medium of eyebolts N', which embrace the rod I and pass through the vertically-arranged slots P, formed in opposite ends of the fender-blade to receive the eyes of the clamping-bolts. Placed upon the inner ends of these clamping-bolts are the washers and clamping-nuts R, which force the fender-blade against the supporting-rod and clamp it in its adjusted position. This fender-blade consists of an elongated piece of sheet metal forming an oblong fender, and the corners thereof are rounded, as shown at a.

The above construction enables us to adjust the fender-supporting rod I by means of clamping-bolts, which pass through the beam A to hold the fender at any desired distance from the plow, and it also enables us to oscillate the fender-blade to have it extend at the several inclinations indicated at the dotted lines, Fig. 3, which will carry its lower end inward or outward for the purpose to be hereinafter explained.

In the use of our oscillating fender-blade it is adapted to be attached to the beam of any form of cultivator or plow and for cultivating all sorts of crops. When it is desired to cultivate young plants and to have the blade run close thereto, it is adjusted inward and outward by the eyebolt which clamps it to the beam, which will regulate the distance of the scraping and fending action from the plow, and consequently enables us to run the fender the desired distance from the plant being cultivated. In plowing young corn with our oscillating fender the blade will be oscillated to carry its lower edge to the right or outward, and thereby near up to the young corn or cotton, thus preventing the surplus dirt, grass, and weeds from collecting against the plant and drawing it away therefrom. The oscillating blade can be turned with its lower edge to the right or outward until it is raised sufficiently to let any desired quantity of fine dirt pass under its edge to the plants being cultivated.

We find it advantageous in cultivating corn the second or third time to oscillate the lower edge of the blade inward or to the left and to adjust the supporting-rod outward until any desired amount of dirt can be thrown back to



the row of corn. In cultivating cotton we oscillate the fender-blade until the lower edge is made to run up to the cotton and to an extent sufficient to prevent all the surplus dirt  
 5 and grass from being piled against the cotton and which will leave a nice mound shape, to be followed up with hoe cultivation. In cultivating cotton the second time the blade is oscillated or turned still farther until it is  
 10 raised sufficiently to let the desired quantity of dirt escape under the fender to the cotton. When cultivating cotton the third time, the blade is oscillated until it is nearly flat, and the arm is adjusted outward until any desired  
 15 quantity of dirt can be thrown on the corn or cotton being plowed.

When laying by a crop, we use two of these fenders, one on each side of the plow, and each of them arranged exactly as herein  
 20 shown in the drawings, and the supporting-rods can be adjusted inward and outward to effect a wide or a narrow scrape between the rows at each passage of the plow, thus supplying dirt to the plant at each side of the  
 25 furrow alike.

A fender arranged to be oscillated as hereinbefore described is found to enable us to effect results in the throwing of the dirt which cannot be effected by a fender which has no  
 30 oscillating movement. In cultivating low plants, for instance, the lower edge of the fender-blade can be turned outward and caused to run under the projecting leaves or stem of the plant without having a supporting-rod  
 35 engage the leaves or projecting stem, which is not possible where a fender is not capable of being thus adjusted, while at the same time it enables us to use it as a straight fender-blade, which is desirable under some con-  
 40 ditions, and also enables us to adjust it with its lower edge turned inward and at the opposite inclination to that which it will assume when its lower edge is turned under the leaves or stems of low plants.

45 Having thus described our invention, what

we claim, and desire to secure by Letters Patent, is—

1. An improved plow-fender comprising a rearwardly-extending fender-supporting rod, the forward end of the rod having a horizon- 50  
 tally-movable supporting connection, and a fender-blade adjustably connected with the free end of said rod, said fender-blade having a horizontal oscillatory movement independent of said rod, substantially as described. 55

2. An improved plow-fender comprising a fender-blade-supporting rod, a supporting connection for the forward end of said rod, and a fender-blade having a horizontal oscillatory and longitudinal movement independent of said supporting-rod, substantially as described. 60

3. In a fender, the combination with a plow-beam of an eyebolt passing therethrough, a washer having an elongated opening on the 65  
 bolt below the beam, a fender-supporting rod passing through the said eyebolt, a clamping-nut on the bolt above the beam, a fender having transverse elongated openings, eyebolts on the supporting-rod and having their ends 70  
 passing through the openings in the fender-blade, and a nut for adjustably securing the blade on the rod, substantially as described.

4. A fender comprising a supporting-rod, a horizontally-elongated vertically-arranged 75  
 fender-blade having a bolt-opening through its side near each end thereof, eyebolts passing through the openings, the eyes of the bolts embracing the supporting-rod, and clamping-nuts adapted to clamp the opposite sides of 80  
 the blade, substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

JOSEPH S. WEST.  
 LEWIS M. MCGEE.

Witnesses:

W. B. W. DENT,  
 ORLANDO MCCLENDAN.