

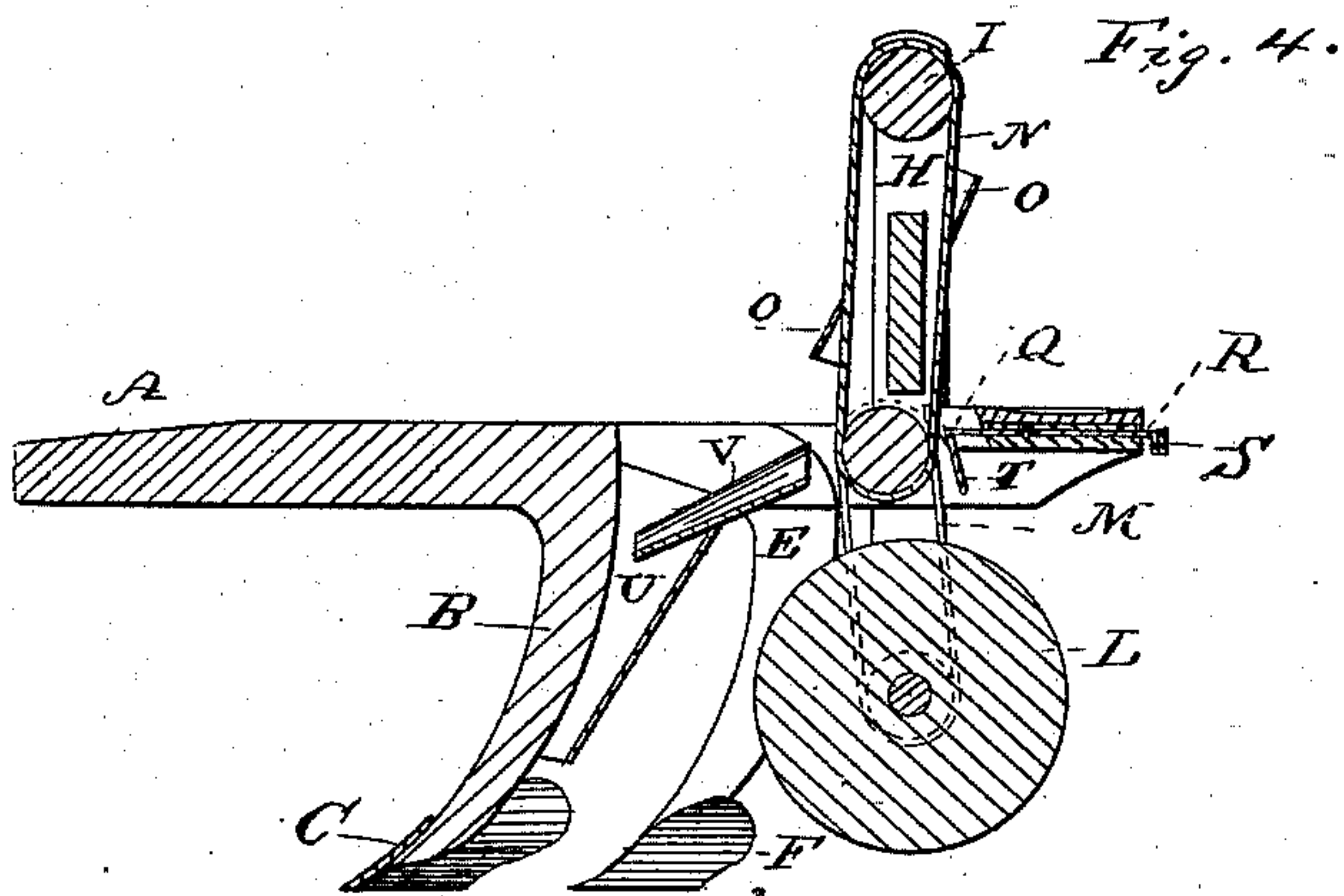
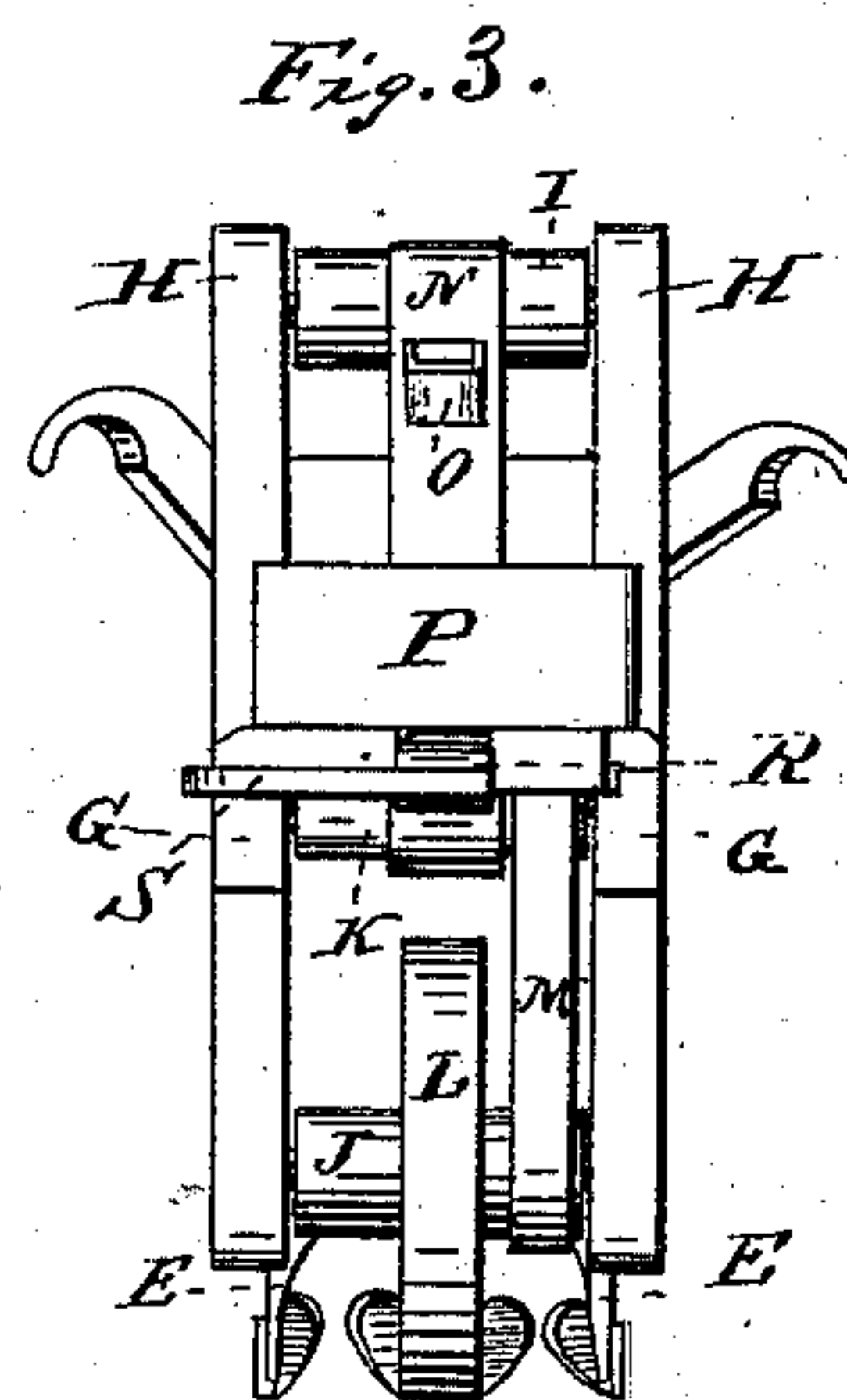
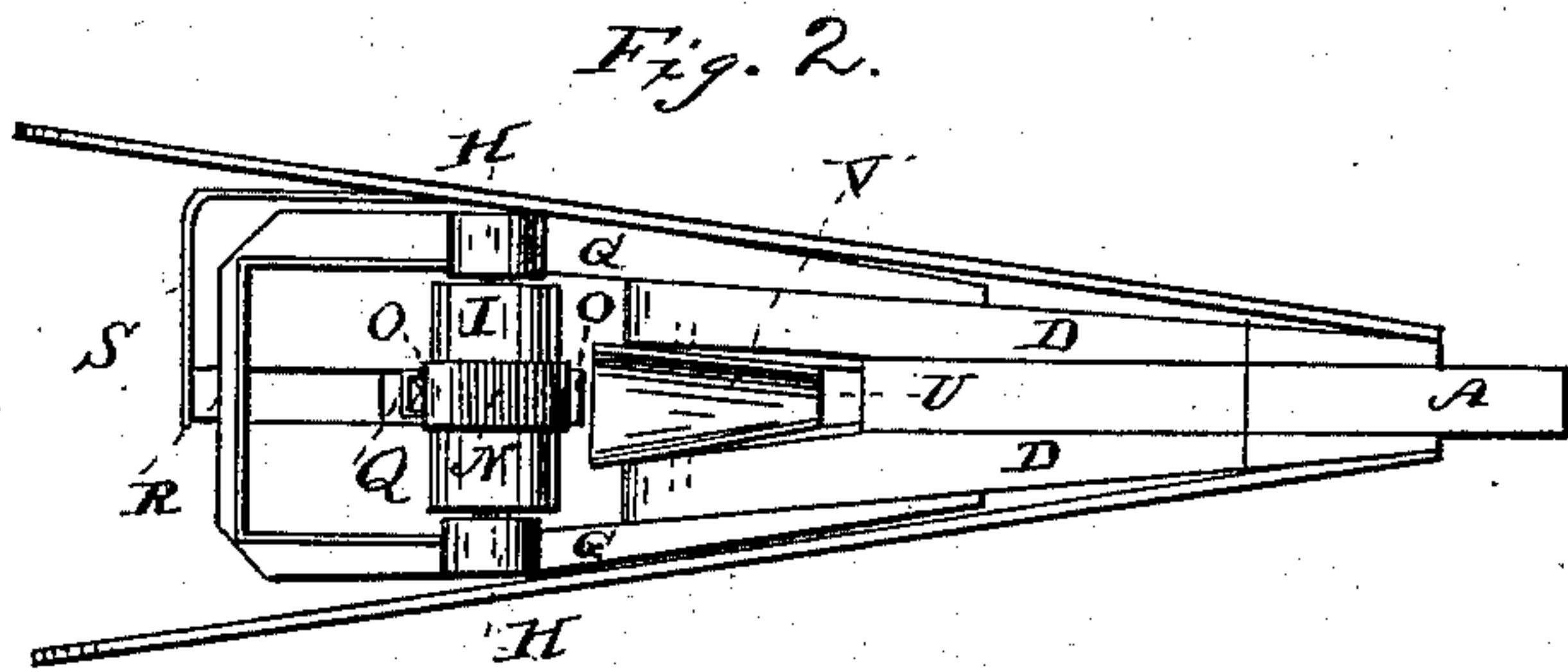
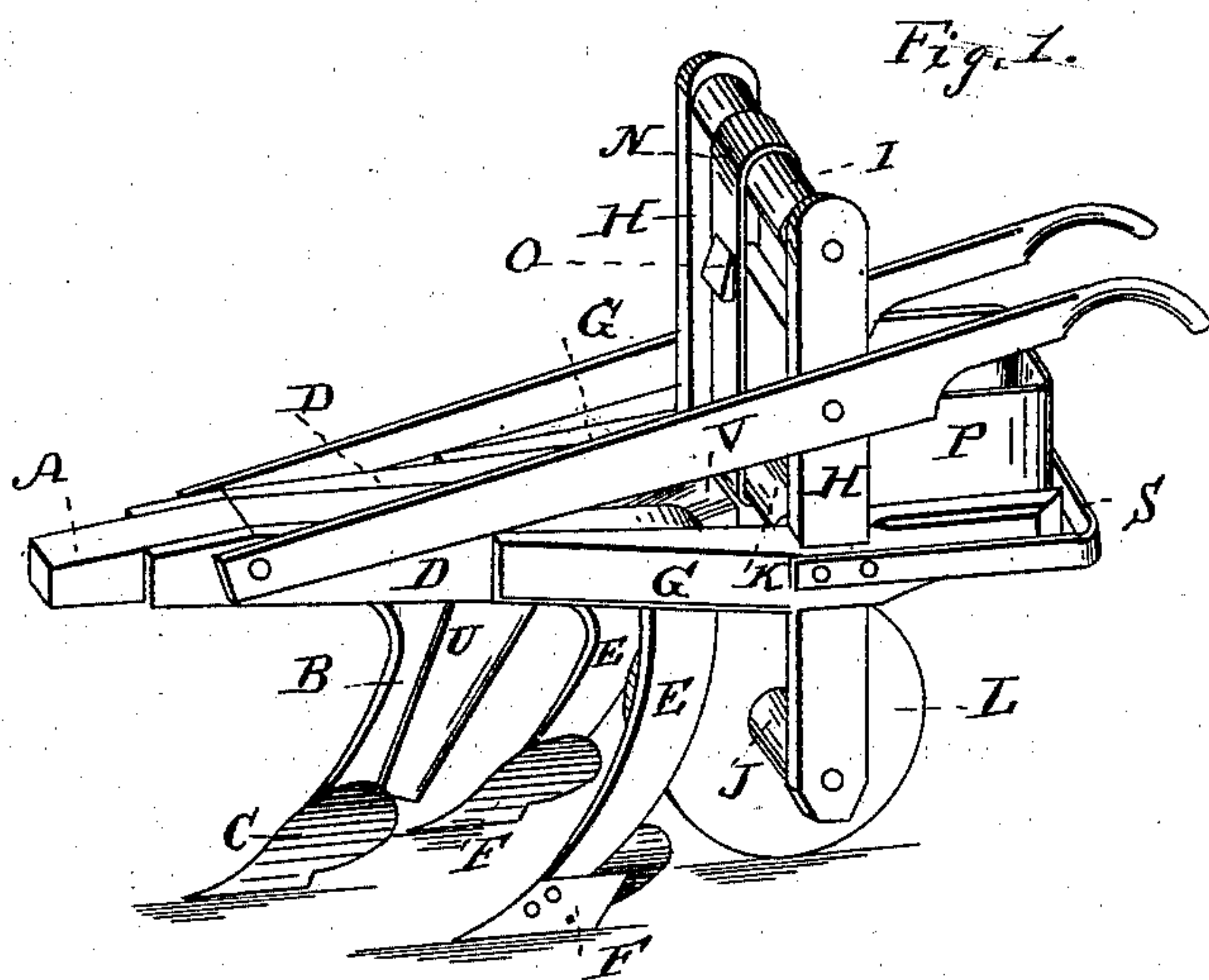
(No Model.)

W. W. ASHBY.

POTATO PLANTER.

No. 283,059.

Patented Aug. 14, 1883.



WITNESSES

Chas. R. Burr
Geo. H. Harvey

W. W. Ashby,
INVENTOR

by C. A. Snow & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM W. ASHBY, OF BOREMAN, WEST VIRGINIA.

POTATO-PLANTER.

SPECIFICATION forming part of Letters Patent No. 283,059, dated August 14, 1883.

Application filed April 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. ASHBY, a citizen of the United States, residing at Boreman, in the county of Wood and State of West Virginia, have invented a new and useful Potato-Planter, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to potato-planters; and it has for its object to provide a machine which shall be simple, convenient, and useful for the purpose stated.

To this end the invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved potato-planter. Fig. 2 is a top view of the same. Fig. 3 is a rear view, and Fig. 4 is a longitudinal vertical sectional view of the machine.

The same letters refer to the same parts in all the figures.

A in the drawings designates a central beam or tongue, having a standard, B, which carries the plow or furrow-opener C. To the sides of the beam A additional beams D D are secured, having standards E E in rear of the standard B, and carrying the coverers F F. To the outer sides of the beams D D are secured rearwardly-extending brackets G G, carrying vertical frame-pieces H H. Between the latter, at the upper and lower ends, and near the center, are journaled shafts I, J, and K. The lower shaft, J, carries the furrow-wheel L, which travels in the furrow behind the plow and imparts motion to the operating mechanism.

M is a belt or band connecting the shaft J with the central shaft, K. The latter is connected with the upper shaft, I, by a belt or band, N. The latter carries elevator-buckets O, of suitable size to receive the proper quantity of seed to be dropped in each hill.

The rear ends of the brackets G G support the hopper P, which has a slot or opening, Q, of sufficient size to admit of the passage of the elevator-buckets O. Said slot or opening is normally covered by a slide, R, which is forced in a forward direction by a suitably-arranged spring, S. The front end of the

seed-slide R has a downwardly-extending lip, T, which the elevator-buckets engage on their upward passage, thereby forcing the seed-slide back until the bucket has passed, when the pressure of the spring forces the slide again forward, thereby closing the slot or opening.

To the rear side of the standard B of the furrow-opener is secured a tube or conveyer, U, having at its upper end a chute, V, fitted adjustably between the rear ends of the beams D D. The chute receives the seed from the buckets, and the tube conveys it to directly behind the furrow-opener, where it is deposited.

The operation and advantages of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. It is simple, convenient, and easily manipulated.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. In a potato-planter, the combination of the center or main beam having a standard carrying a furrow-opener and a conveyer-tube, side beams having standards carrying the coverers, brackets extending rearwardly from said side beams, a vertical frame, and a hopper mounted on said brackets, and transverse shafts journaled in said vertical frame and carrying the furrow-wheel and the seeding mechanism operated by the same, substantially as set forth.

2. The combination of the beams carrying the furrow-opener and coverers, the hopper, a vertical frame, shafts journaled transversely in the latter, the furrow-wheel upon the lower shaft, a belt connecting the lower with the central shaft, and a belt running upon the central and upper shafts, and carrying elevator-buckets adapted to take the seed from the hopper and dump it in a conveyer-chute attached to the standard of the furrow-opener, as set forth.

3. In a potato-planter, the combination of the center beam having a standard carrying a furrow-opener and a conveyer-tube, the side beams carrying the coverers, the hopper, an elevator taking the seed from said hopper, and a chute adjustable between the rear ends of the side beams, as set forth.

4. The combination of the frame, the trans-

verse shafts, the furrow-wheel upon the lower shaft, a belt connecting the lower with the central shaft, an elevator running upon the central and upper shafts, the hopper, the seed-
5 slide having a downwardly-projecting lip at its front end adapted to be engaged by the elevator-buckets, and a spring arranged to force the said seed-slide forwardly, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM WILSON ASHBY.

Witnesses:

R. HEBER SMITH,
N. H. HATCHER.