

No. 762,532.

PATENTED JUNE 14, 1904.

E. HUBER.

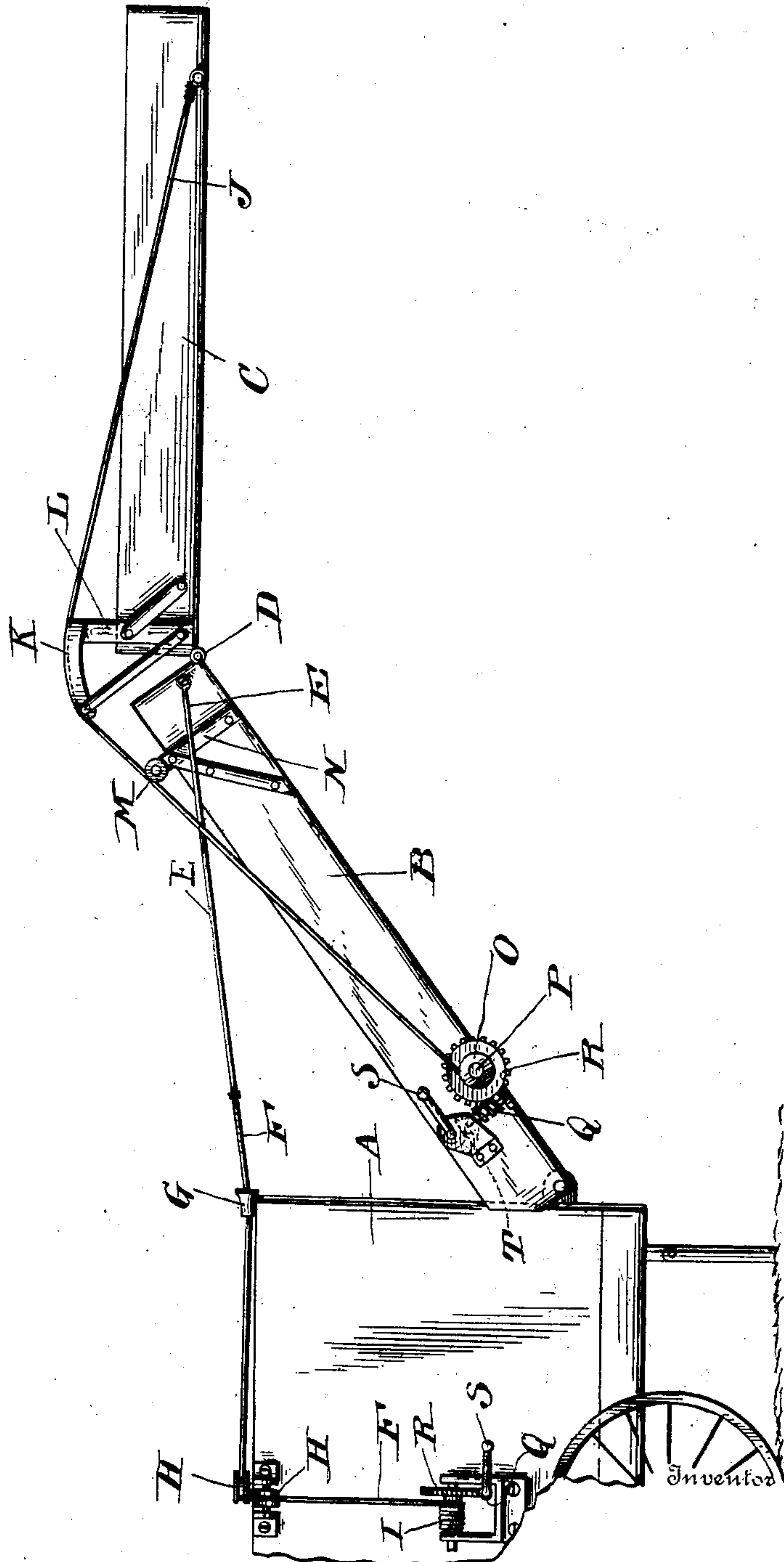
OPERATING DEVICE FOR FOLDING STRAW STACKERS.

APPLICATION FILED DEC. 5, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

Just H. Blackwood
H. Lawrence, Jr.

Edward Huber
by S. A. Gourion Attorney

No. 762,532.

PATENTED JUNE 14, 1904.

E. HUBER.

OPERATING DEVICE FOR FOLDING STRAW STACKERS.

APPLICATION FILED DEC. 5, 1903.

NO. MODEL.

2 SHEETS—SHEET 2.

Fig. 2.

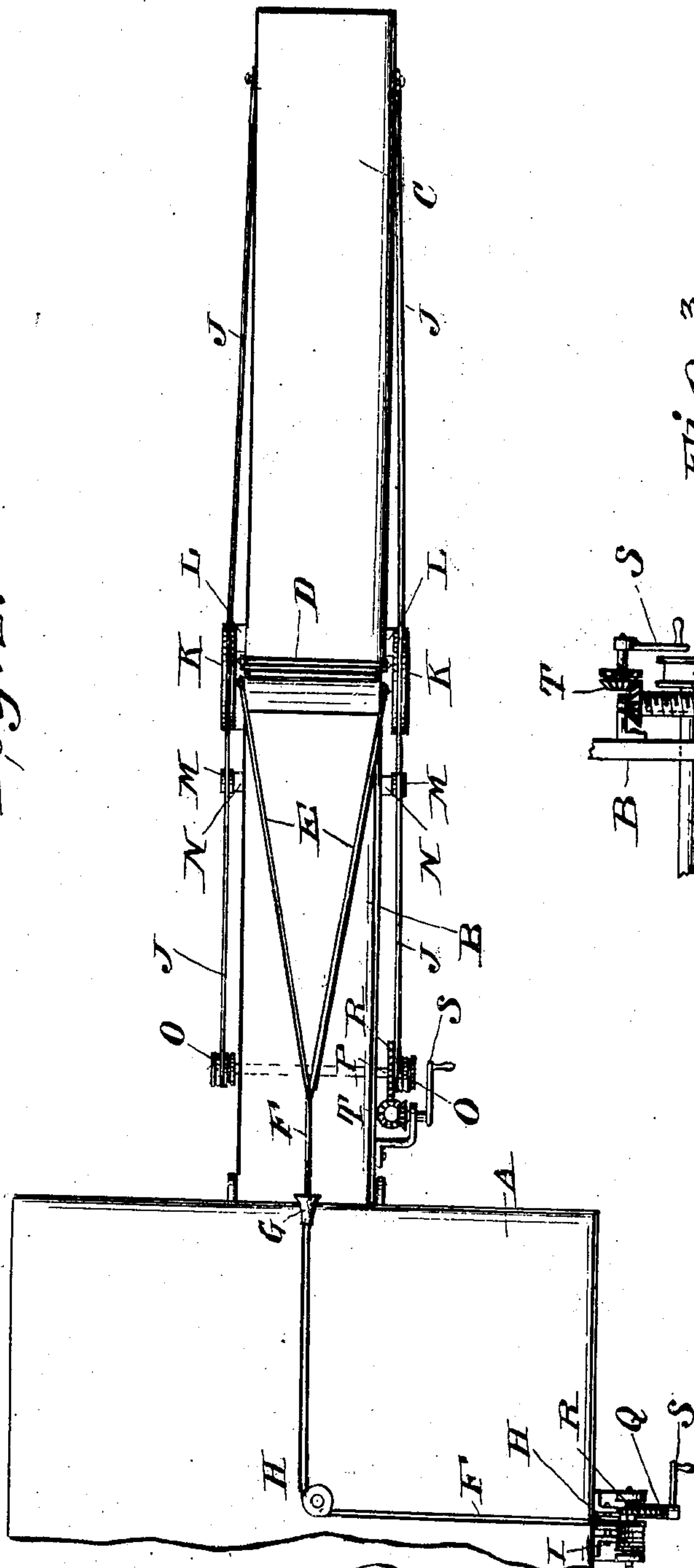
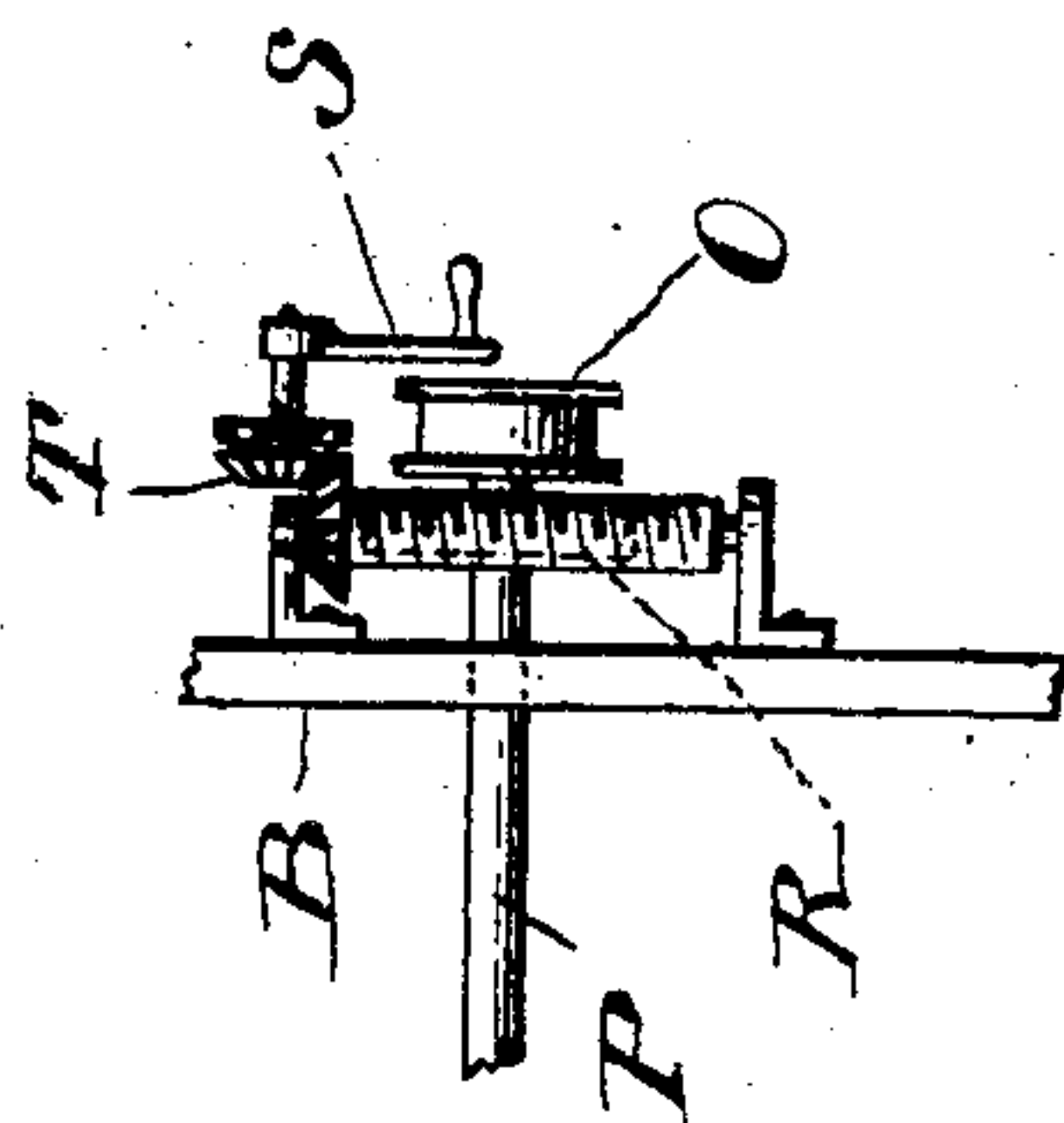


Fig. 3.



Inventor

Witnesses

James H. Blackwood
A. H. Andrews, Jr.

Edward Huber
by A. D. Gourick Attorney

UNITED STATES PATENT OFFICE.

EDWARD HUBER, OF MARION, OHIO.

OPERATING DEVICE FOR FOLDING STRAW-STACKERS.

SPECIFICATION forming part of Letters Patent No. 762,532, dated June 14, 1904.

Application filed December 5, 1903. Serial No. 183,934. (No model.)

To all whom it may concern:

Be it known that I, EDWARD HUBER, a citizen of the United States, residing at Marion, in the county of Marion and State of Ohio, have invented certain new and useful Improvements in Operating Devices for Folding Straw-Stackers, of which the following is a specification.

My invention relates to devices for operating threshing-machine straw-stackers, and has for its objects to provide improved mechanism for operating the two parts of a folding stacker, so that either part may be adjusted independently of the other, and also to so construct the mechanism for operating the outer of the two sections as to secure a greater leverage than has been attained heretofore, to the end that said outer section may be adjusted with less expenditure of power and when in the position desired will sustain a greater weight than heretofore sustained by mechanism of this character.

The construction and advantages of my invention will more fully appear hereinafter and by reference to the accompanying drawings, in which—

Figure 1 is a side view in elevation of a fragment of a threshing-machine, showing my invention in position thereon; Fig. 2, a top plan view of the same parts, and Fig. 3 a detail view of one of the drums and gearing.

In the drawings similar reference characters indicate corresponding parts throughout the several views.

A represents the casing of a threshing-machine, B the inner section of a folding stacker suitably mounted at the rear of the threshing-machine, it being apparent that said stacker may be hinged to a rigid platform on said machine or to the swinging platform now in more general use. C represents the outer section of the stacker hinged to the section B, as shown at D.

Section B is operated by means of cables E, secured near the outer free end of said section B, which are joined at a suitable distance from the ends attached to said section B, and the single cable F runs through a socket G at the rear end of the top of casing A, then around

the sheaves of pulleys H to a drum I on the side of said casing A.

The outer section C is operated by means of cables J, secured near the outer end of said section C, then passed over segmental guides K, secured to standards L near the hinged end of said section C, then over pulleys M, journaled on standards N near the outer end of section B, and then wound on drums O on shaft P, journaled on said section B. Said segmental guides K may be grooved, if desired, to receive the cables J.

Drums I and O are operated by means of a worm-shaft Q, meshing with worm-gear R, keyed to the shaft of drum I and shaft P, the worm-shaft being actuated by means of a crank-handle S, connected directly to said shaft, as in the gearing for drum I, or by means of beveled gears T, as shown in the gearing for drums O.

The operation of my invention will be understood from the above description and the advantages by an inspection of the drawings, by which it will be noted that my invention gives a great leverage for operating the outer section C.

Having thus described my invention, what I claim is—

1. In a folding straw-stacker, segmental guides secured to one section of the stacker, cables secured to the same section of the stacker and passing over said guides, and means to operate said cables, substantially as shown and described.

2. In a folding straw-stacker, segmental guides secured to one section of the stacker, cables secured to the same section of the stacker and passing over said guides, drums journaled on the other section of the stacker to receive the free ends of the cables, and means to actuate said drums, substantially as shown and described.

3. In a folding straw-stacker, segmental guides secured to one section of the stacker, sheaves journaled on the other section of the stacker, cables secured to the first-named section of the stacker and passing over said guides and sheaves, and means to operate said cables, substantially as shown and described.

4. In a folding straw-stacker, segmental guides secured to one section of the stacker, sheaves journaled on the other section of the stacker, cables secured to the first-named section of the stacker and passing over said guides and sheaves, drums on the other section of the stacker to receive the free ends of said cables, and means to actuate said drums, substantially as shown and described.

10 5. In a folding straw-stacker, uprights on one section adjacent to the hinges, segmental guides secured to said uprights, uprights secured to the other section, sheaves journaled on said uprights, cables secured near the free end of the first-named section and passing over said guides and sheaves, and means to operate said cables, substantially as shown and described.

20 6. In a folding straw-stacker, uprights secured on one section adjacent to the hinges, segmental guides secured to said uprights, uprights secured to the other section, sheaves journaled on said uprights, cables secured near the free end of the first-named section and passing over said guides and sheaves, drums on the other section, and means to actuate said drums, substantially as shown and described.

30 7. In combination with a threshing-machine, a straw-stacker consisting of two sections pivotally connected and hinged to the threshing-machine, a cable for operating the inner section of said stacker, a drum mounted

on the threshing-machine to receive the free end of said cable, gearing to actuate said drum, segmental guides secured to the outer section adjacent to its hinged end, sheaves on the inner section, cables secured near the free end of the outer section and passing over said guides and sheaves, drums on the inner section to receive free ends of said cables, and worm-gearing to actuate said drums, substantially as shown and described.

8. In combination with a threshing-machine, a straw-stacker consisting of two sections pivotally connected together and hinged to the threshing-machine, a cable for operating the section hinged to the machine, means to operate said cable, segmental guides having grooved outer surfaces secured to the outer section of the stacker adjacent to its hinged end, grooved sheaves on the inner section, cables secured near the free end of the outer section and resting on the grooves in the guides and sheaves, a shaft journaled on the inner section of the stacker, drums secured to said shaft to receive the free ends of said cables, and means to actuate said shaft, substantially as shown and described.

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

EDWARD HUBER.

Witnesses:

JOHN J. CRAWLEY,
JACOB W. MILLER.