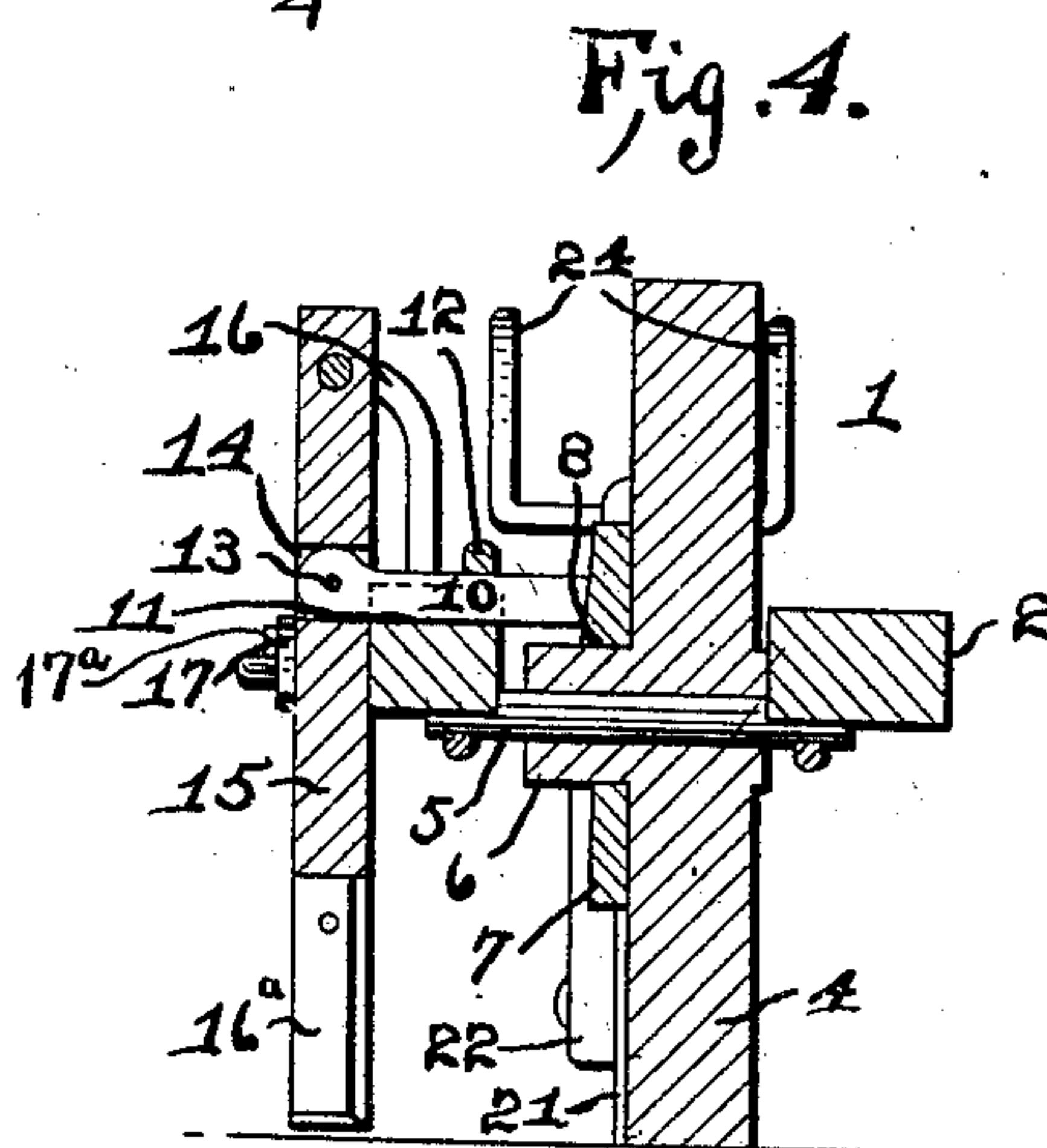
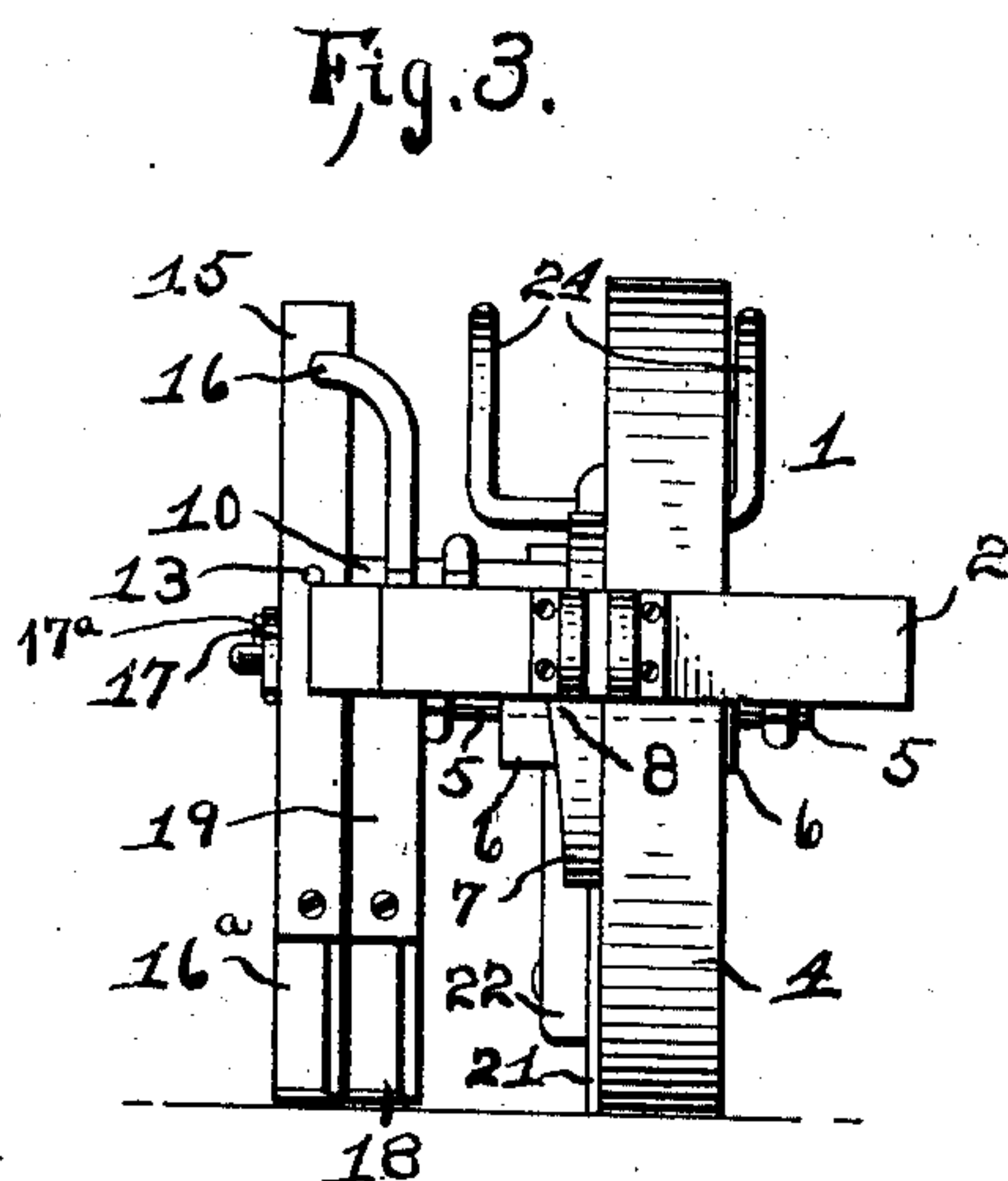
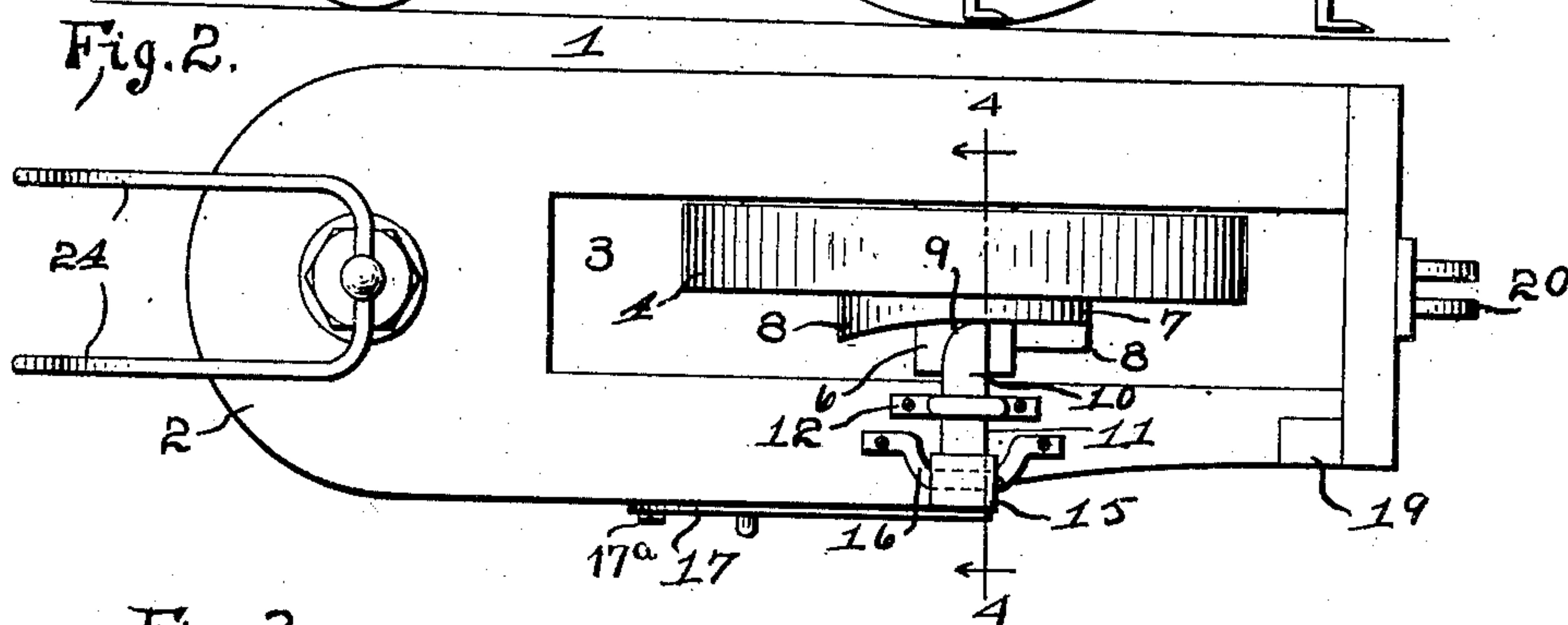
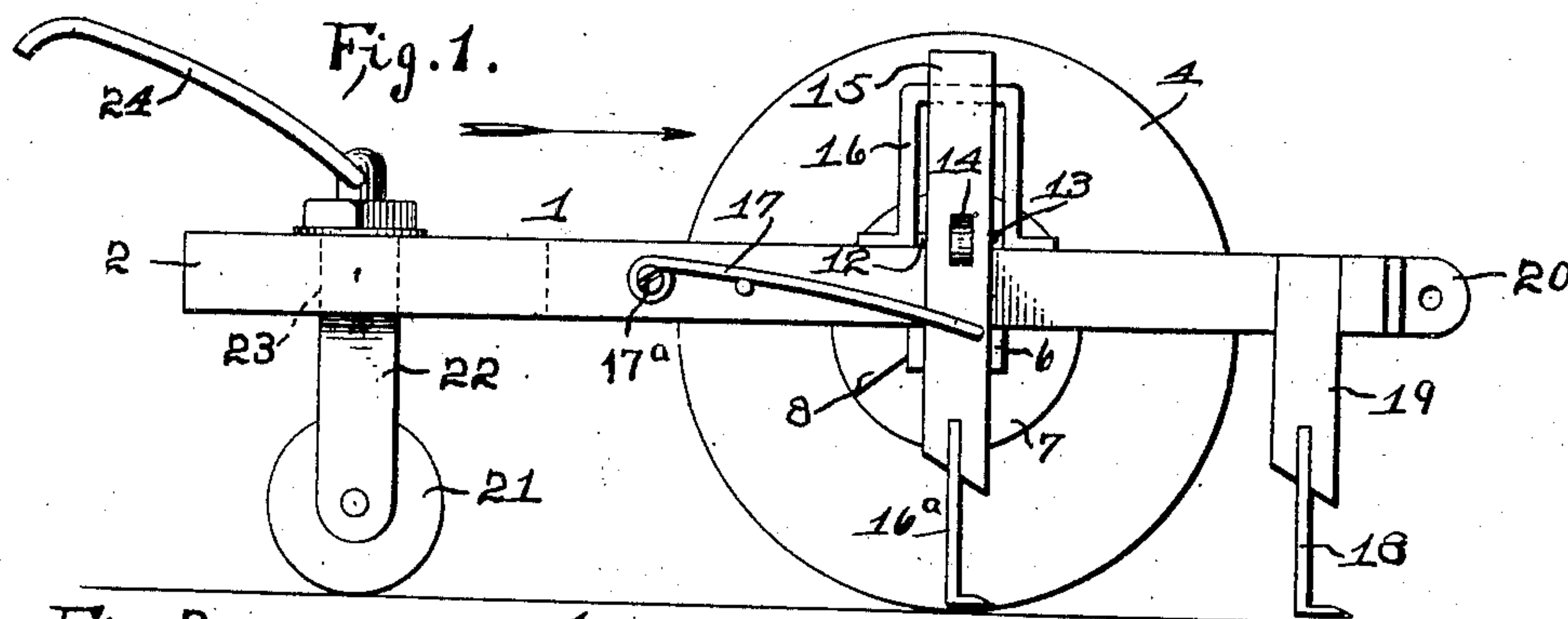


No. 837,851.

PATENTED DEC. 4, 1906.

W. C. KYLE.
COTTON CHOPPER.
APPLICATION FILED FEB. 12, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

WEBSTER C. KYLE, OF JEDDO, ALABAMA.

COTTON-CHOPPER.

No. 837,851.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed February 12, 1906. Serial No. 300,660.

To all whom it may concern:

Be it known that I, WEBSTER C. KYLE, a citizen of the United States, residing at Jeddo, in the county of Monroe and State of Alabama, have invented certain new and useful Improvements in Cotton-Choppers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in cotton-choppers; and it consists in the novel construction, combination, and arrangement of parts hereinafter described and claimed.

The object of the invention is to provide a machine of this character which will be simple in construction, durable in use, efficient in operation, and comparatively inexpensive to construct.

The above and other objects, which will appear as the nature of the invention is better understood, are accomplished by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved cotton-chopper. Fig. 2 is a top plan view of the same. Fig. 3 is a front end elevation, and Fig. 4 is a detail vertical transverse sectional view taken on the plane indicated by the line 4 4 in Fig. 2.

Referring to the drawings by numeral, 1 denotes my improved cotton-chopper, which comprises a horizontally-disposed frame or body 2, formed in its forward portion with a slot or opening 3, in which is mounted a ground or driving wheel 4. The latter is loosely mounted upon a transverse shaft 5, which is secured upon the under side of the frame or body 2, as shown. The wheel may be of any desired form and construction, and its hub 6 upon one side is of polygonal form to receive a cam disk or plate 7. The latter has formed upon its outer face a series of cam projections 8. Any number of the cams 8 may be provided, and they may be any distance apart, according to the distance desired between the cotton-plants. Said cams coact with the beveled end 9 of an arm or link 10, which is mounted to slide in a transverse recess 11, formed in the body or frame 2 and closed by a guide-plate 12. The outer reduced end of the arm 10 is pivotally mounted, as at 13, in a transverse opening 14, formed

in a lever 15, which is pivotally mounted in a hanger or bracket 16, provided upon the body or frame 2. Said lever 15 hangs vertically and has secured upon its lower end a cutter-blade or hoe 16^a, which is swung or oscillated transversely as the machine is moved forwardly. The engagement of the cams 8 with the beveled end 9 of the arm 10 forces the latter outwardly or laterally to swing the lever 15, and hence its hoe 26, out of alignment with the row of cotton-plants or the like, and said lever is returned to its normal position by a spring 17, secured at one of its ends, as at 17^a, upon one side of the body or frame 2 and having its free end engaged with the outer face of the lever 15, as clearly shown in Fig. 1. The hoe or cutter 26 is arranged in rear of a stationary cutter or hoe 18, which is secured to a depending arm or bracket 19 upon the frame or body 2. The cutter or hoe 18 is adapted to trim the row of cotton on the side next to the ground-wheel 4, as will be readily understood.

The draft animal or animals are hitched to the forward end 20 of the body or frame 3, and upon its rear portion is provided a caster-wheel 21, which serves to guide the machine. The wheel 21 is journaled in the lower bifurcated end 22 of a vertical shaft 23, which projects through a bearing in the body or frame 2 and has secured upon its upper end rearwardly-extending handles 24, which are grasped by the operator.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined by the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cotton-chopper having an upright implement-carrying lever pivotally mounted at its upper end, a spring to move said lever in one direction, a link disposed transversely with reference to the frame of the chopper, mount-

ed for longitudinally-reciprocating movement and having its outer end pivotally connected to the lever, a ground-wheel, and a cam driven by said ground-wheel and against
5 which the inner end of the link abuts, said cam moving the link and lever against the tension of the said spring.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WEBSTER C. KYLE.

Witnesses:

F. M. TAIT,
L. B. FARISH.