

A. W. KOHL & E. G. WALTER.

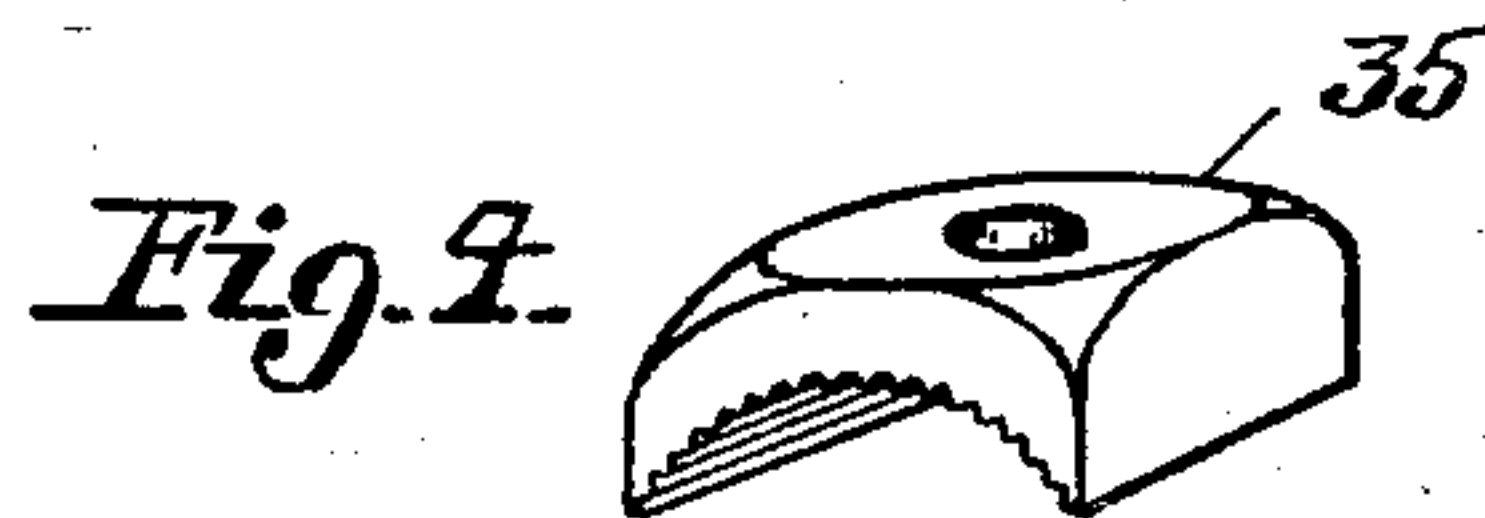
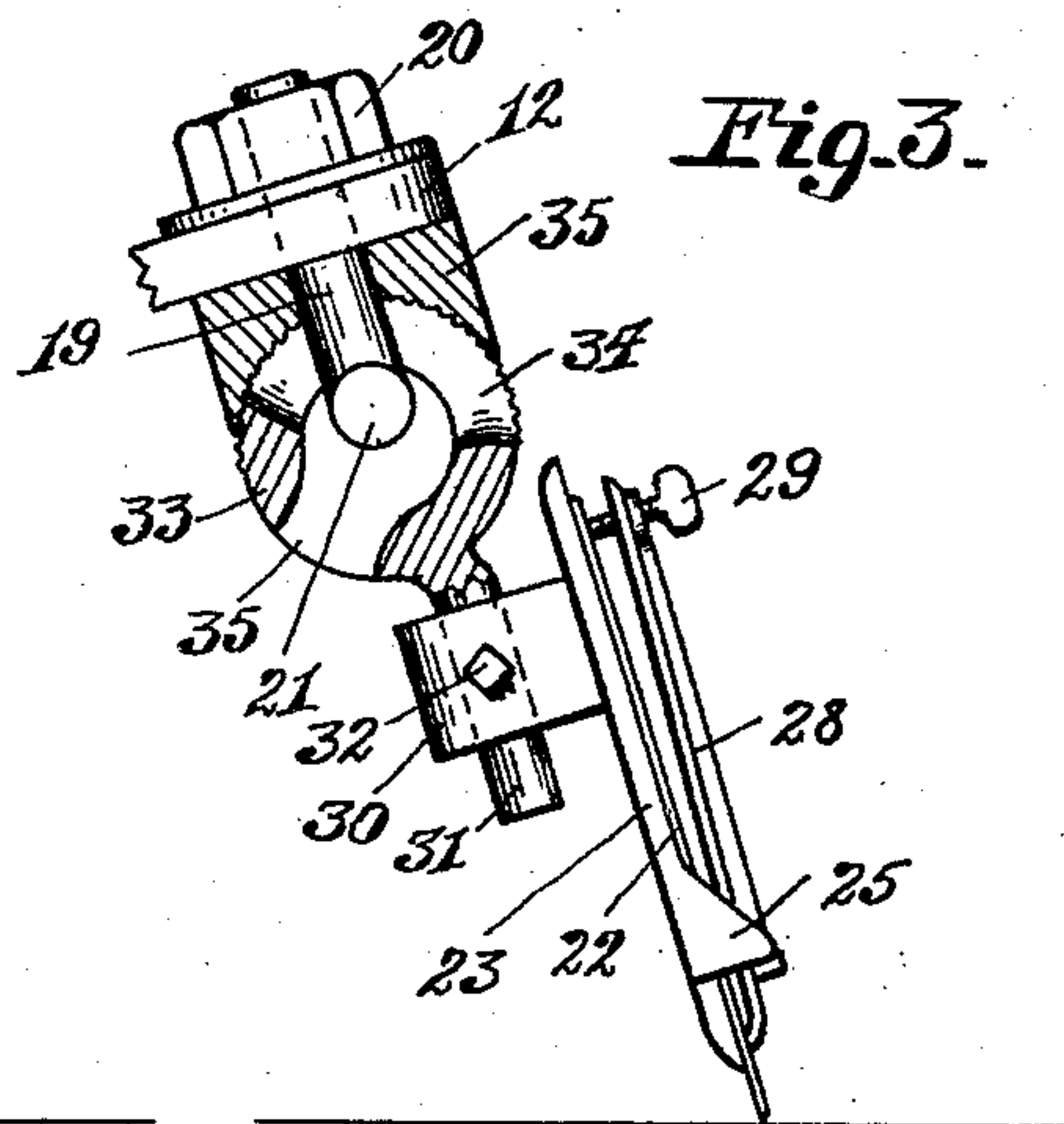
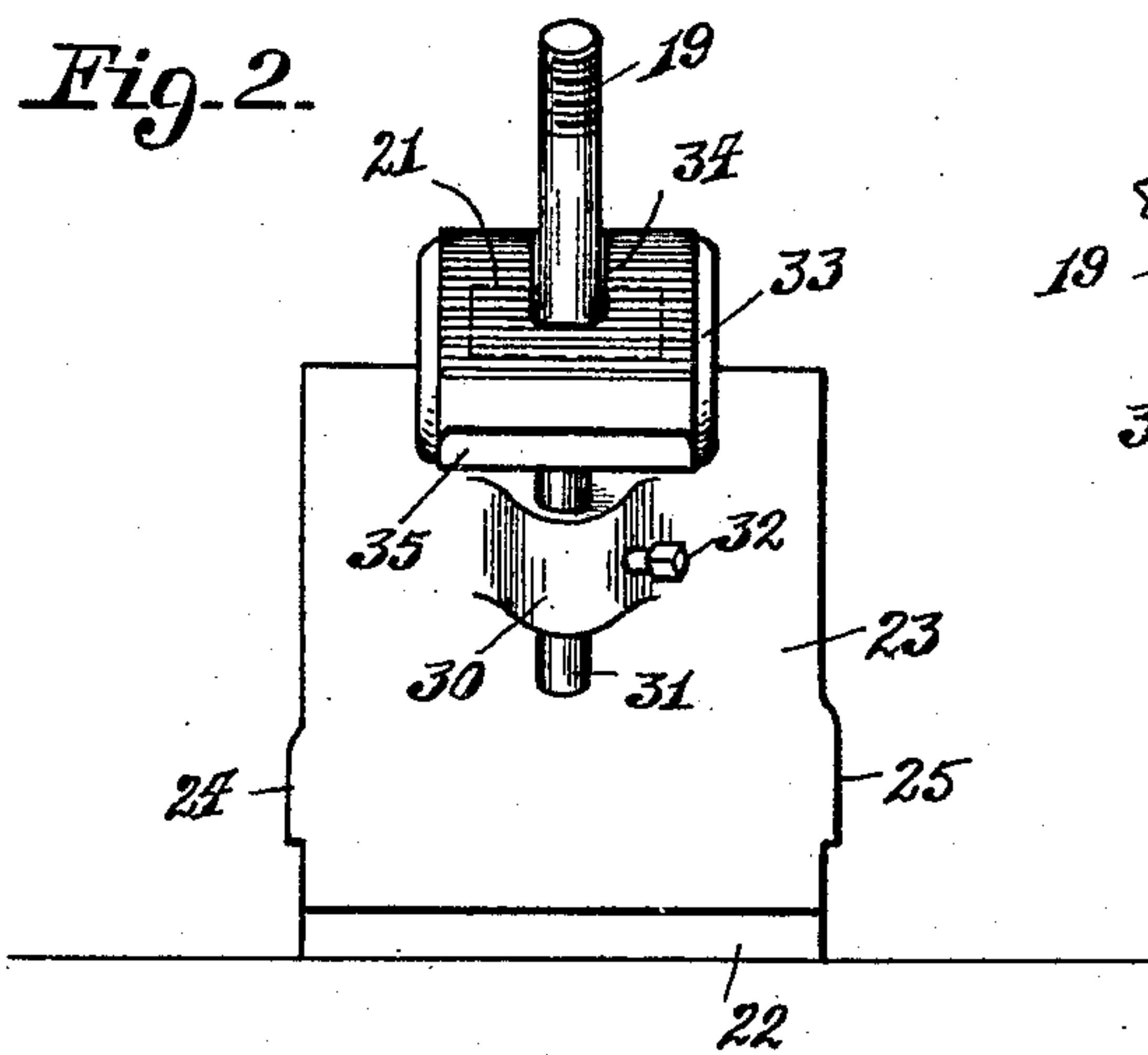
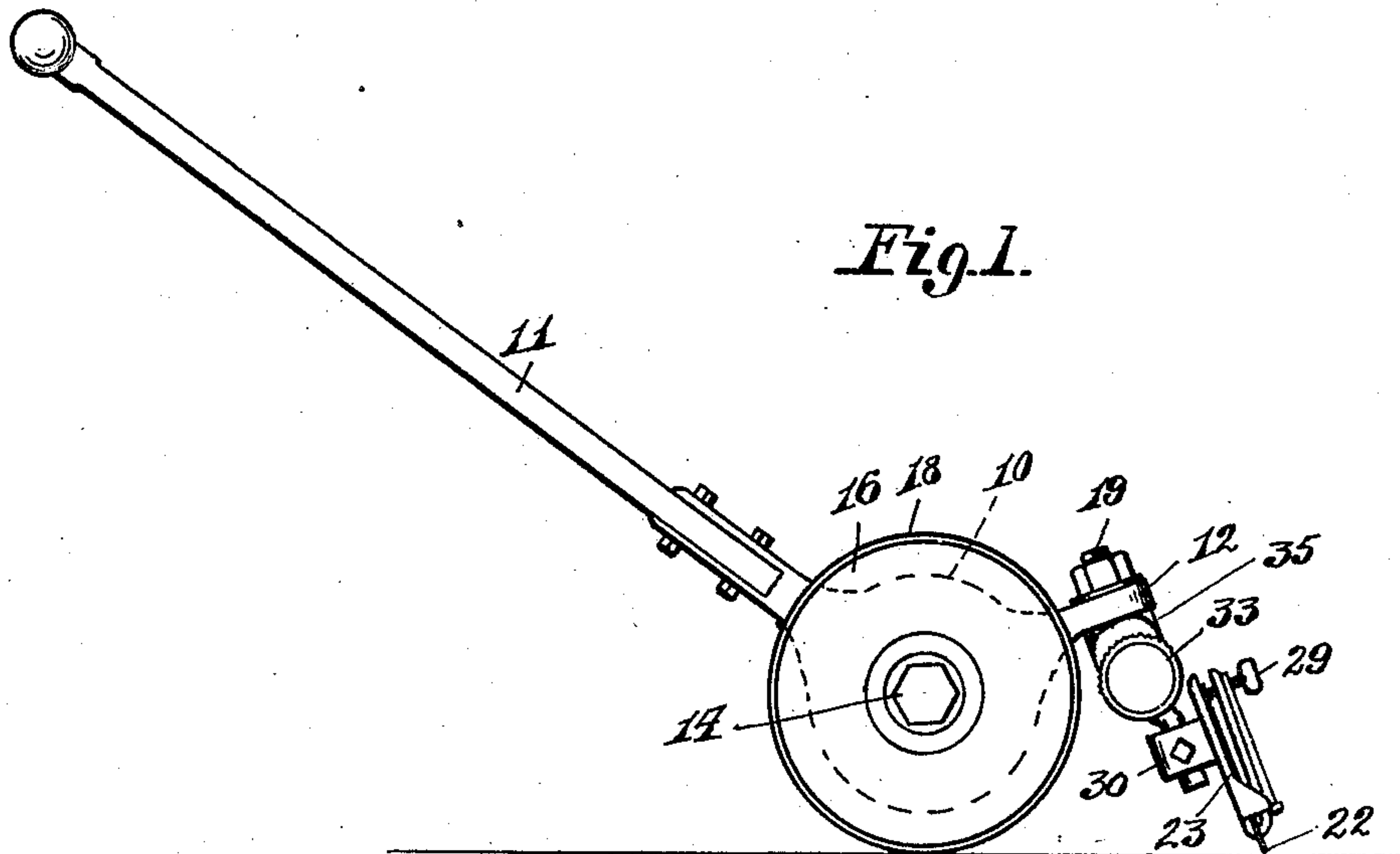
FLOOR DRESSING MACHINE.

APPLICATION FILED SEPT. 28, 1908.

929,140.

Patented July 27, 1909.

2 SHEETS—SHEET 1.



Witnesses:

George Oltsch  
S. M. Cole.

Aaron W. Kohl.  
Edwin G. Walter.  
Inventors.

By *[Signature]*  
Attorney.

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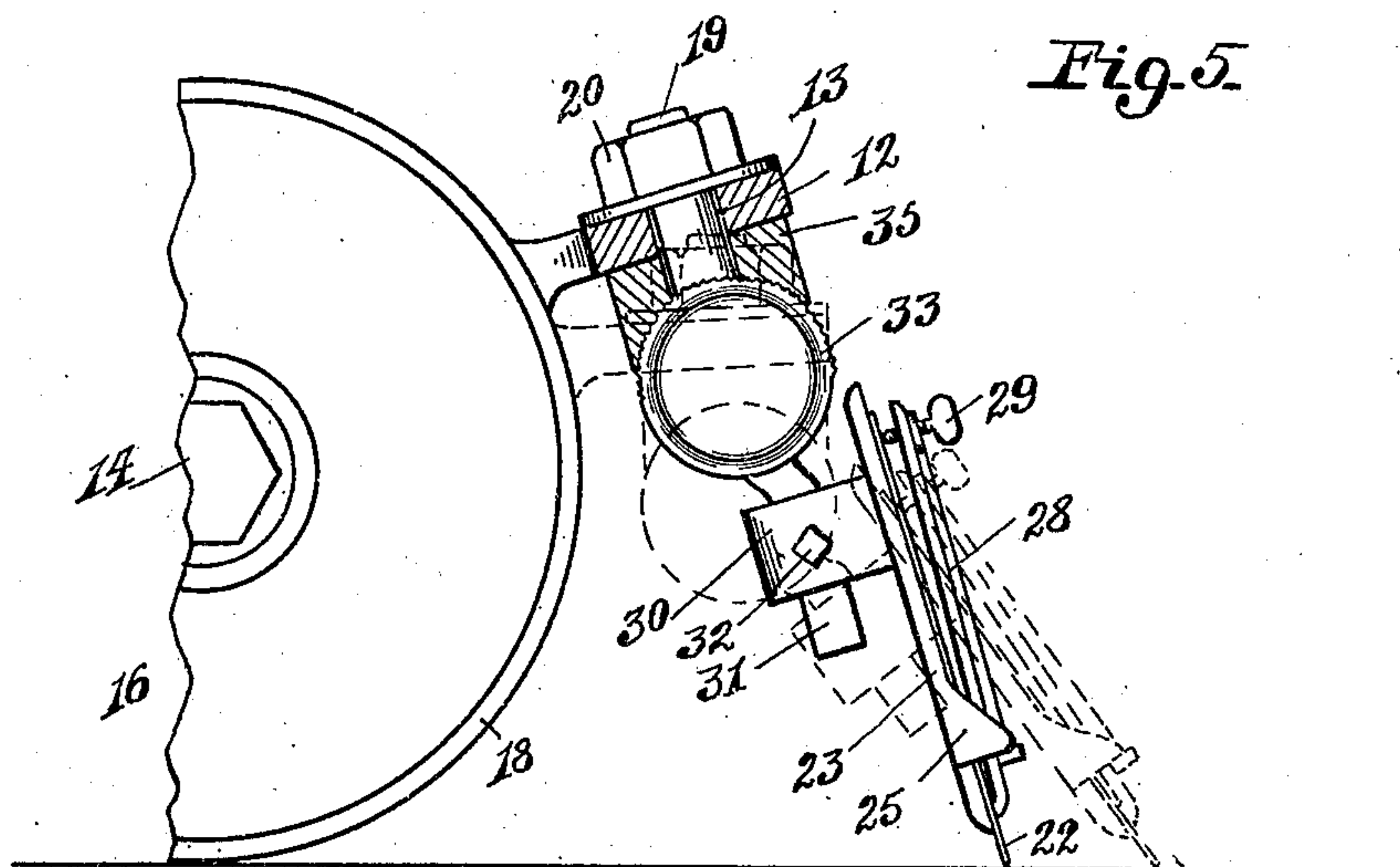


Fig. 5.

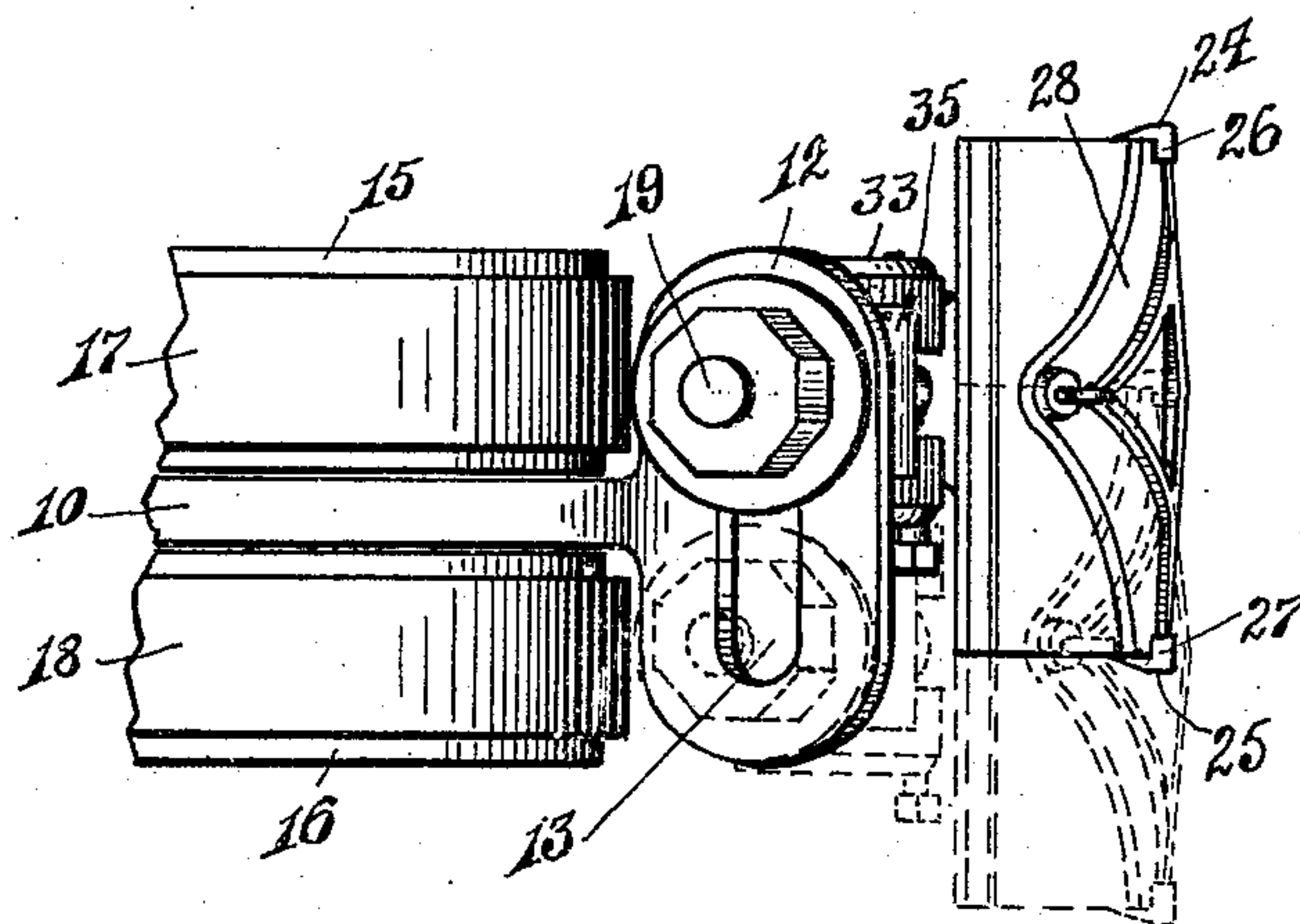


Fig. 6.

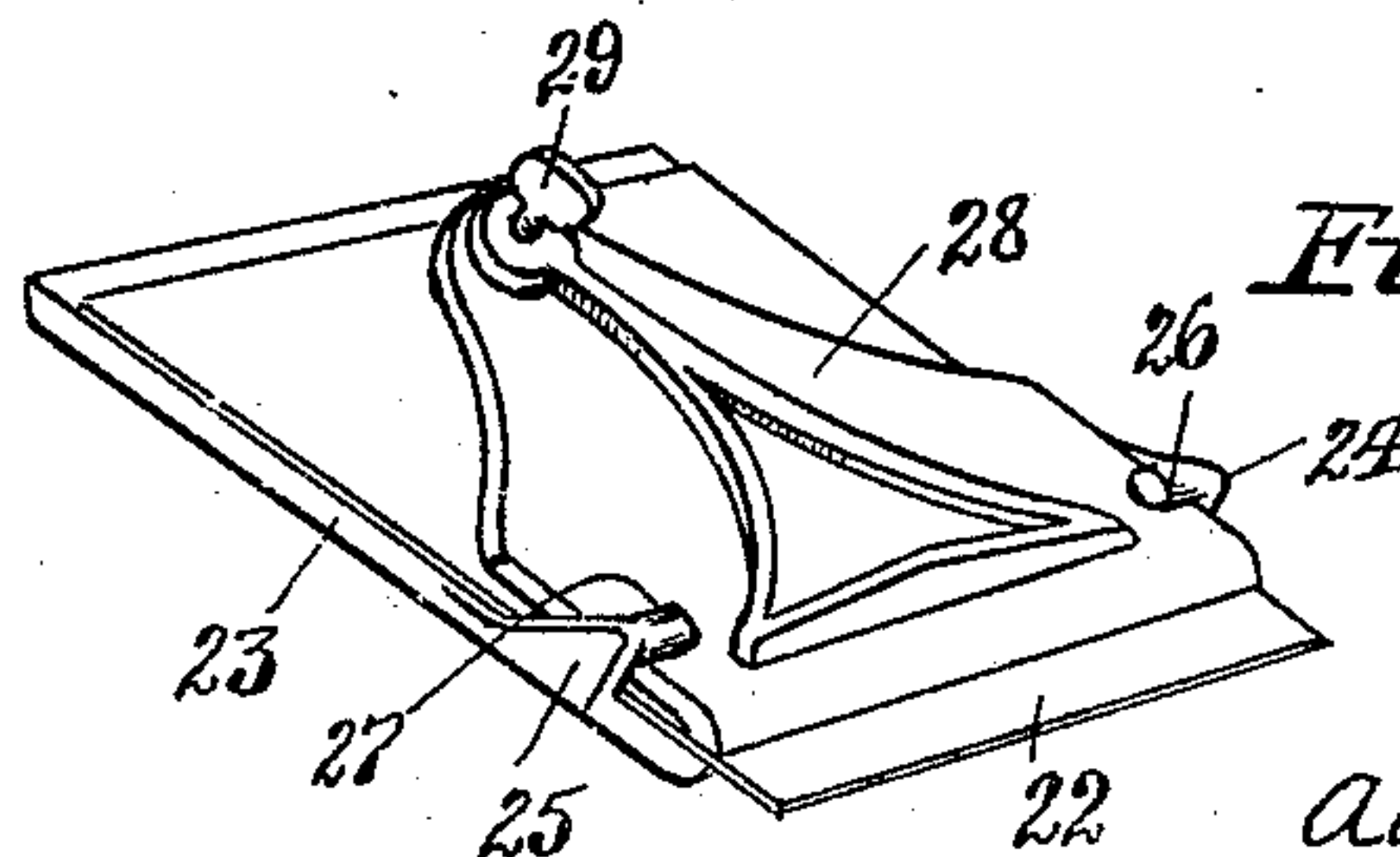
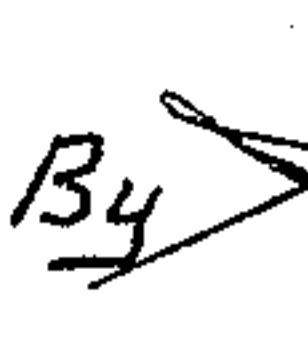


Fig. 7.

Witnesses:  
George Oltsch  
G. M. Cole.

Aaron W. Kohl.  
Edwin G. Walter.  
Inventors.  
By  Attorney.



# UNITED STATES PATENT OFFICE.

AARON W. KOHL AND EDWIN G. WALTER, OF ELKHART, INDIANA, ASSIGNORS TO ABNER F. TYLER, OF ELKHART, INDIANA.

## FLOOR-DRESSING MACHINE.

No. 929,140.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed September 28, 1908. Serial No. 455,165.

*To all whom it may concern:*

Be it known that we, AARON W. KOHL and EDWIN G. WALTER, citizens of the United States, residing at Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Floor-Dressing Machines, of which the following is a specification.

This invention relates to devices for dressing floors and for similar purposes, and has for one of its objects to improve and simplify the construction and increase the efficiency and utility of devices of this character.

Another object of the invention is to provide a simply constructed device of this character which may be readily adjusted to control the lateral position of the cutting or dressing blade, to enable it to be operated at either side of the guiding and supporting mechanism.

Another object of the invention is to provide an implement which may be employed close to the base boards and other portions of the walls of a room without injury thereto.

With these and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described, and in the drawings illustrative of the approved embodiment of the invention.

Figure 1 is a side elevation of the improved device. Fig. 2 is a rear elevation enlarged, of the dressing blade and portion of the supporting mechanism. Fig. 3 is a side view of the supporting and adjusting mechanism of the dressing blade with the dressing blade in position therein. Fig. 4 is a perspective view of the bushing element, detached. Fig. 5 is a side elevation, enlarged, and partly in section, of the improved device. Fig. 6 is a plan view of the parts shown in Fig. 5. Fig. 7 is a perspective view of the dressing blade and its supporting frame or plate.

In the "dressing" and finishing of floors, especially those of hard wood, it is desirable that the device or implement employed for this purpose be adapted for operation at any required angle or inclination relative to the surface to be dressed, and also that the dressing blade be adjustable laterally relative to the supporting frame, so that all parts of the floor may be reached thereby, and the device herein shown and described is designed to accomplish these and other results

in a simple and inexpensive manner, and without employing expensive and complicated mechanism.

The improved device comprises in general a supporting frame 10 having a rearwardly and upwardly extending handle 11 and with a forwardly and upwardly extending projection 12, the latter extended laterally of the frame 10 and provided with a transverse slot 13. The frame 10 is provided with a transverse axle 14 carrying two bearing wheels 15—16 at opposite sides of the frame and provided with tires 17—18 of rubber or like material.

The supporting mechanism of the dressing blade is connected to the slotted plate 12, and consists of a stud 19 passing through the slot 13 and threaded at the upper end to receive a clamp nut 20 and with a T head 21 at the lower end.

The cutting or dressing blade is represented at 22, and bears flatly upon a base plate 23, the latter having lugs 24—25 at the sides near the lower end and provided with inwardly directed studs or fulcrum pins 26—27, the latter projecting over a bearing plate 28 resting by its lower edge upon the blade 22 opposite the lower edge of the base member 23. At its upper end the bearing plate 28 is provided with a binding screw 29 bearing against the blade 22 at its upper part, and thus producing the requisite strain to firmly clamp the blade to the base plate, the pins 26—27 serving as fulcrum pins to permit this action, as will be obvious.

Extending from the rear side of the base plate 23 is a perforated lug 30 through which a stud 31 passes and in which it is adjustably supported by a set screw 32. At its upper end the stud 31 is provided with a hollow head 33 having a circumferential slot 34 and an opening 35, the slot to permit the passage of the body of the bolt 19 and the opening to permit the entrance of the T head 21.

Arranged between the lower face of the slotted projection 12 and the outer face of the hollow head 33 is a bushing member 35 having a flat upper face to engage the lower face of the member 12 and with a convex lower side to engage the curved face of the member 33, the member 33 and the concaved face of the bushing 35 being serrated, to render the grip more positive, and



thus prevent slipping. The circumferential slot 34 permits the adjustment of the dressing blade relative to the bolt 19 to alter its incline relative to the floor over which it is to be operated, as indicated by the dotted lines in Fig. 5, while the slot 13 in the member 12 enables the blade to be adjusted laterally so as to project at either side of the wheels 15—16, as indicated by dotted lines in Fig. 6.

By this simple arrangement it will be noted that a very complete compact and convenient apparatus is produced which may be inexpensively manufactured, and is capable of ready adjustment to any extent required.

The device may be constructed of any desired size and of any suitable material.

While the details of the construction shown illustrate the preferred embodiment of the invention, it will be understood that changes may be made therein within the scope of the appended claims without departing from the principle of the invention or sacrificing any of its advantages.

What is claimed is:—

1. In a device of the class described, a supporting frame having a slot, bearing wheels carried by the frame, a hollow head having a circumferential slot, a clamp bolt engaging through said frame slot and extending through said circumferential slot and having a transversely extending terminal within said hollow head whereby said hollow head may be secured to said frame, a dressing blade, and means for connecting said blade to said hollow head.

2. In a device of the class described, a supporting frame having a slot, bearing wheels carried by said frame, a hollow head having a circumferential slot, a clamp bolt engaging through said frame slot and extending through said circumferential slot and having a transversely extending terminal within said hollow head, a bushing between the hollow head and said slotted frame and having a concaved face bearing upon the hollow head, the concaved face of said bushing and the outer face of said hol-

low head being serrated, a dressing blade, and means for connecting said blade to said hollow head.

3. In a device of the class described, a wheeled frame having a slotted projection, a hollow head having a circumferential slot, a clamp bolt engaging through the slot of said projection and extending through said circumferential slot and provided with a transversely extending terminal within the hollow head, a bushing between the head and slotted frame, a dressing blade, and means for connecting the dressing blade to the hollow head.

4. In a device of the class described, a supporting frame having a transverse slot, bearing wheels carried by said frame, a hollow head member having a circumferential slot, a clamp bolt engaging through said frame slot and extending through said head member slot and with a transversely extending terminal within the head member, a bushing between the head member and slotted frame and with a concaved face bearing upon the head member, a dressing blade, and means for adjustably connecting said blade to said head member.

5. In a device of the class described, a supporting frame having a transverse slot, bearing wheels carried by said frame, a hollow head member having a circumferential slot and with a projecting stud, a clamp bolt engaging through said frame slot and extending through said head member slot and with a transversely extending terminal within the head member, a bushing between the head member and slotted frame and with a concaved face bearing upon the head member, a dressing blade, a supporting frame for the dressing blade and provided with a lug slidable over said stud, and means for clamping said lug to said stud.

In testimony whereof we affix our signatures, in presence of two witnesses.

AARON W. KOHL.  
EDWIN G. WALTER.

Witnesses:

L. D. HALL,  
CHARLIE LAMBERT.