

No. 790,233.

PATENTED MAY 16, 1905.

E. VILLANI.  
MUSIC STAND.

APPLICATION FILED JULY 26, 1904.

3 SHEETS—SHEET 1.

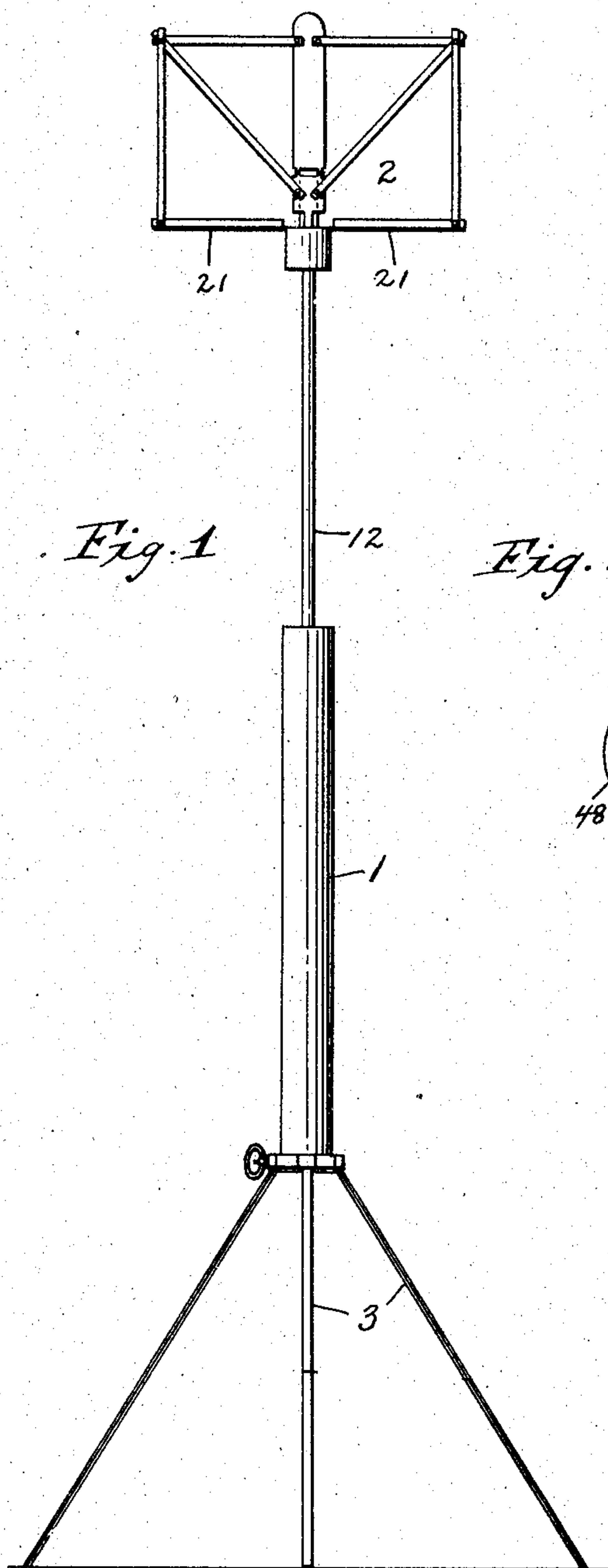


Fig. 1

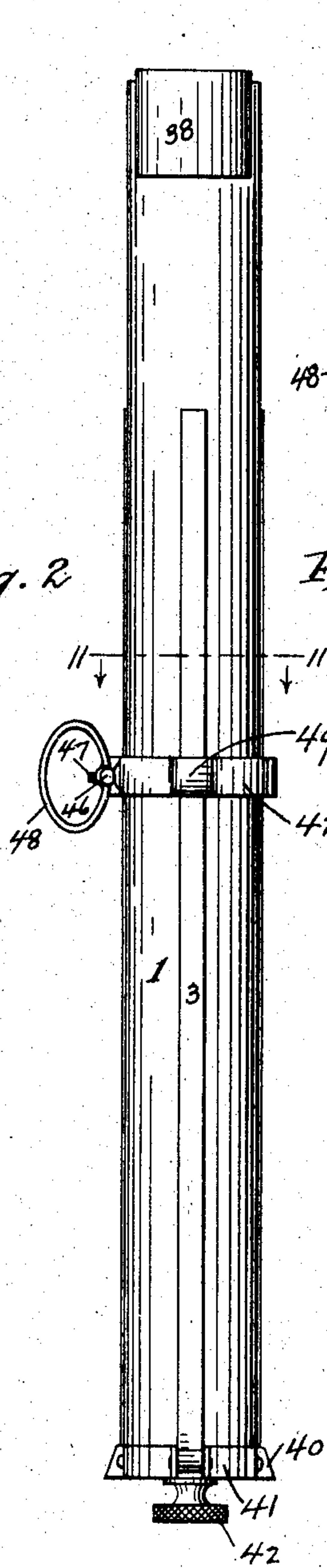


Fig. 2

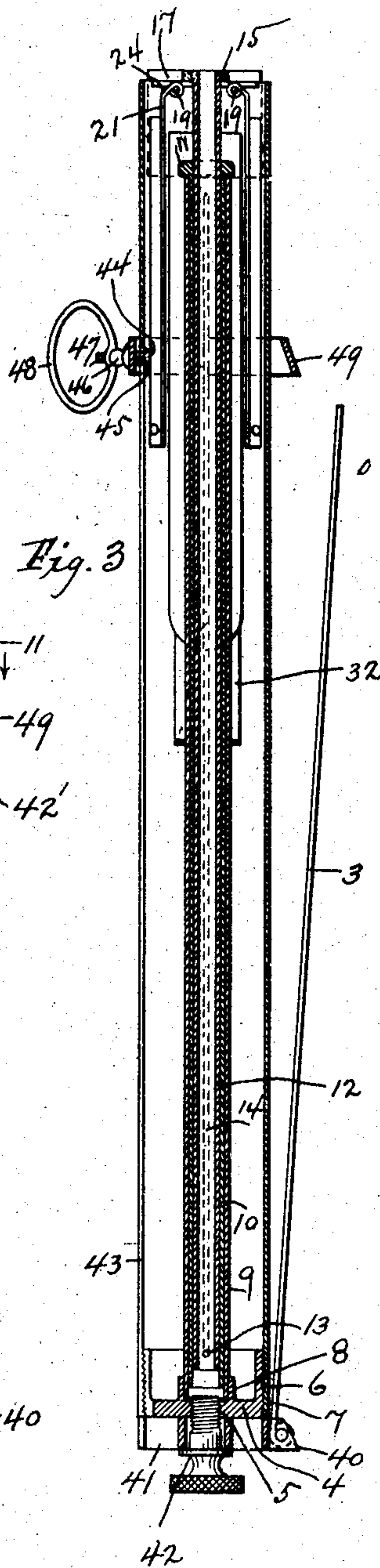


Fig. 3

Witnesses:

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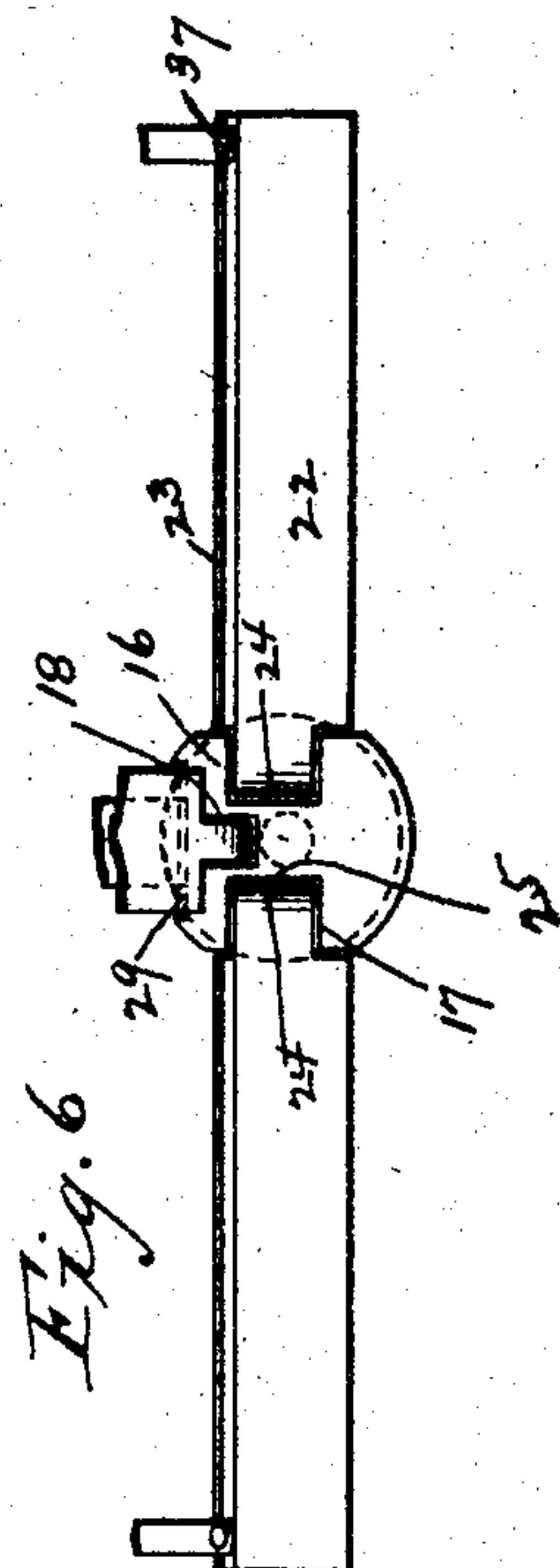
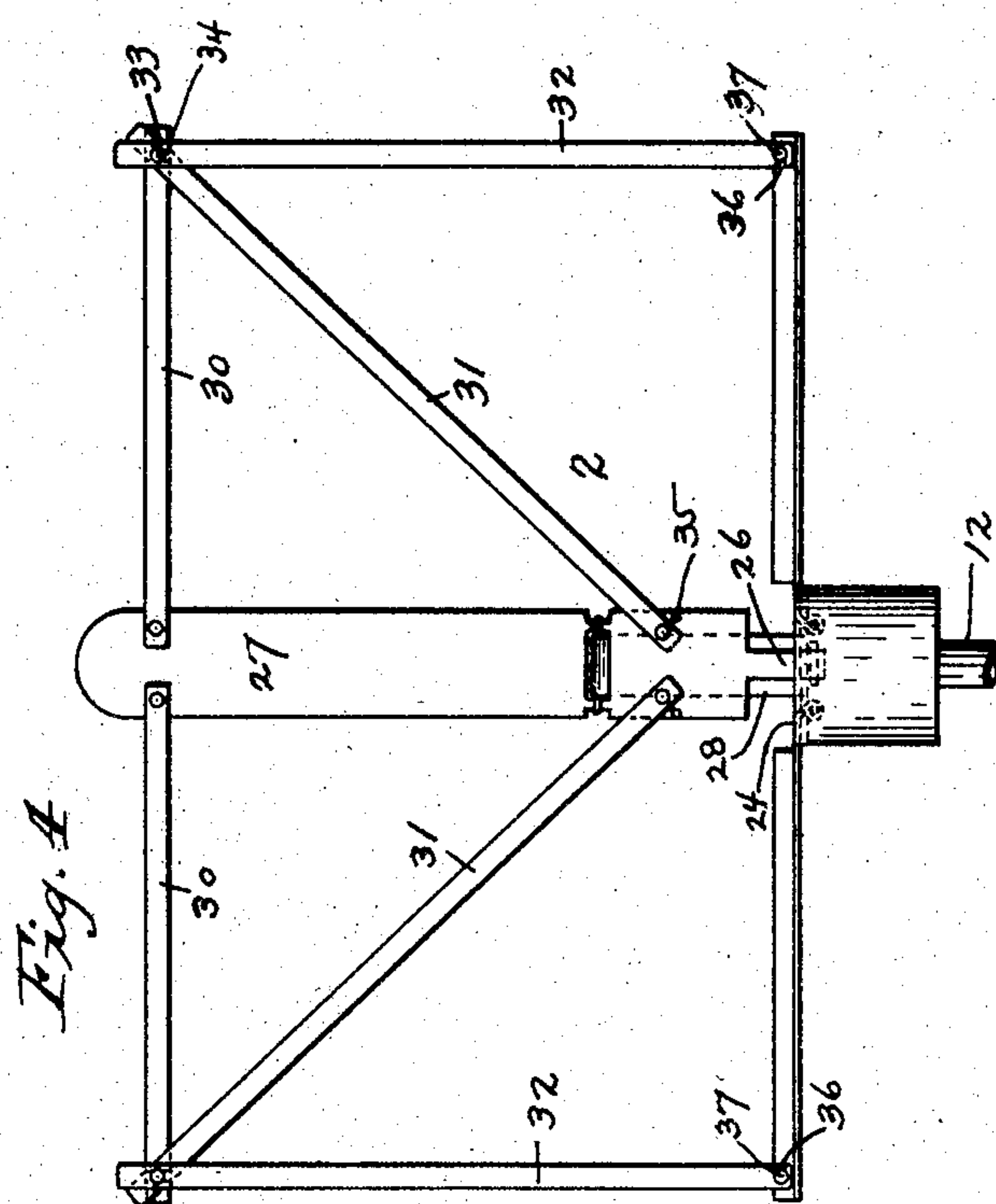
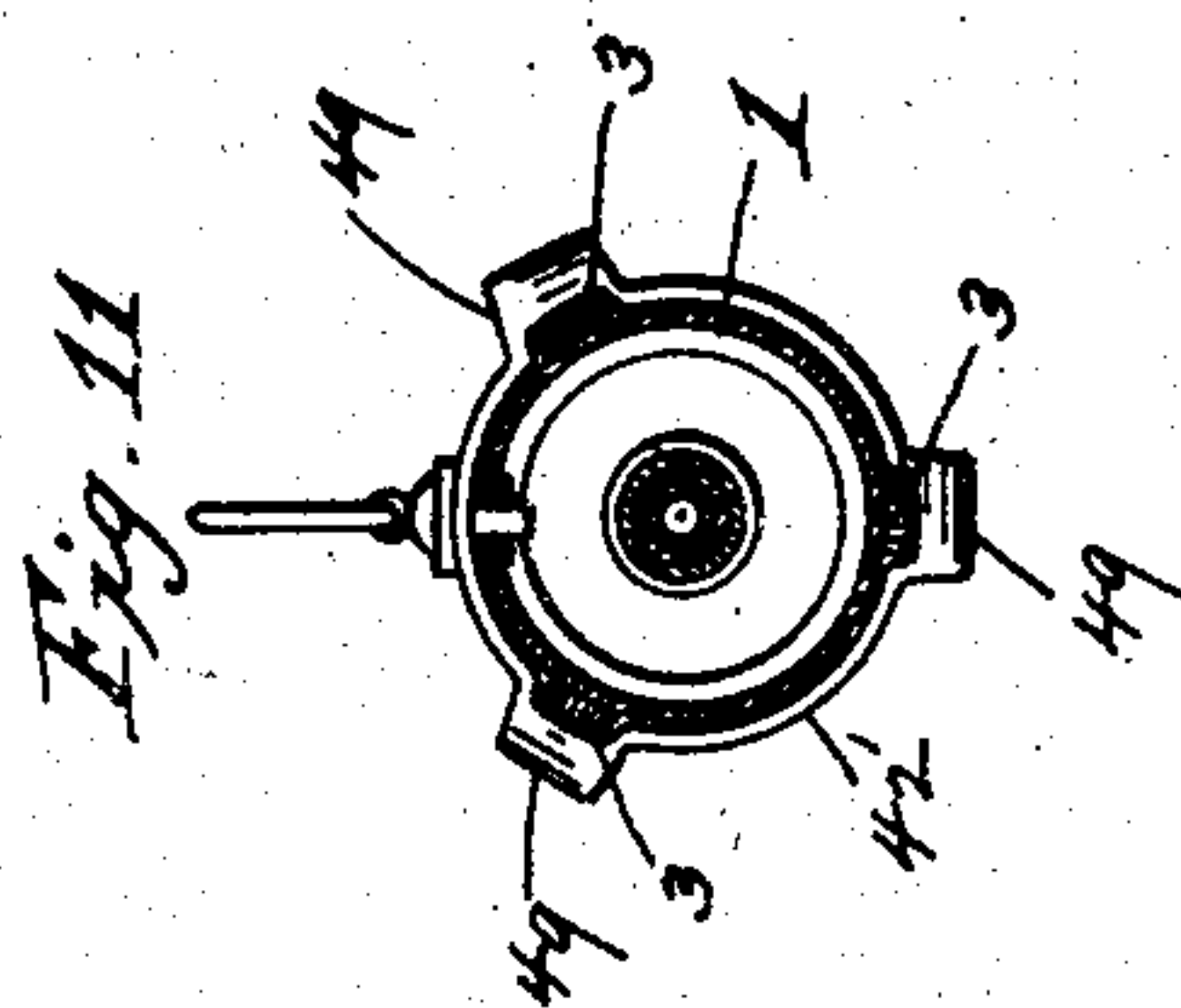
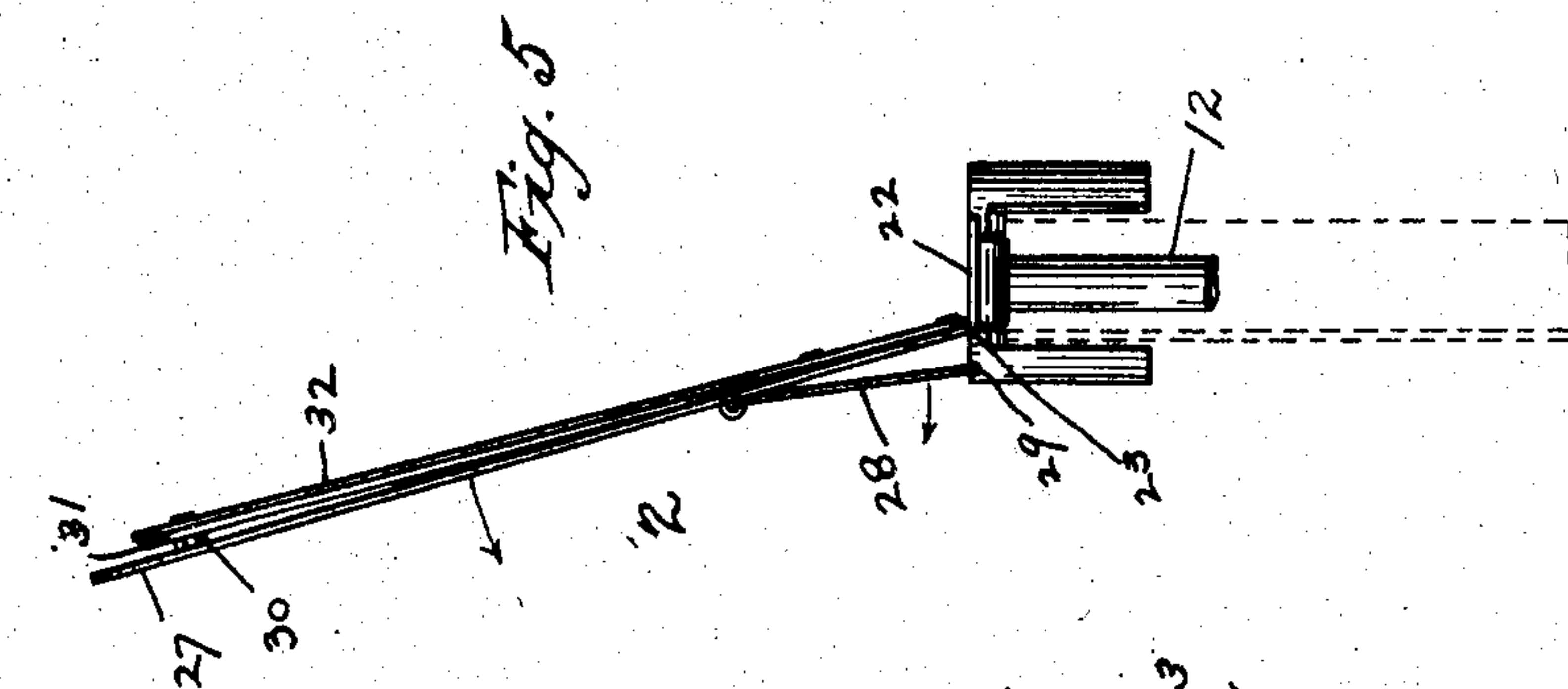
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3 SHEETS—SHEET 2.



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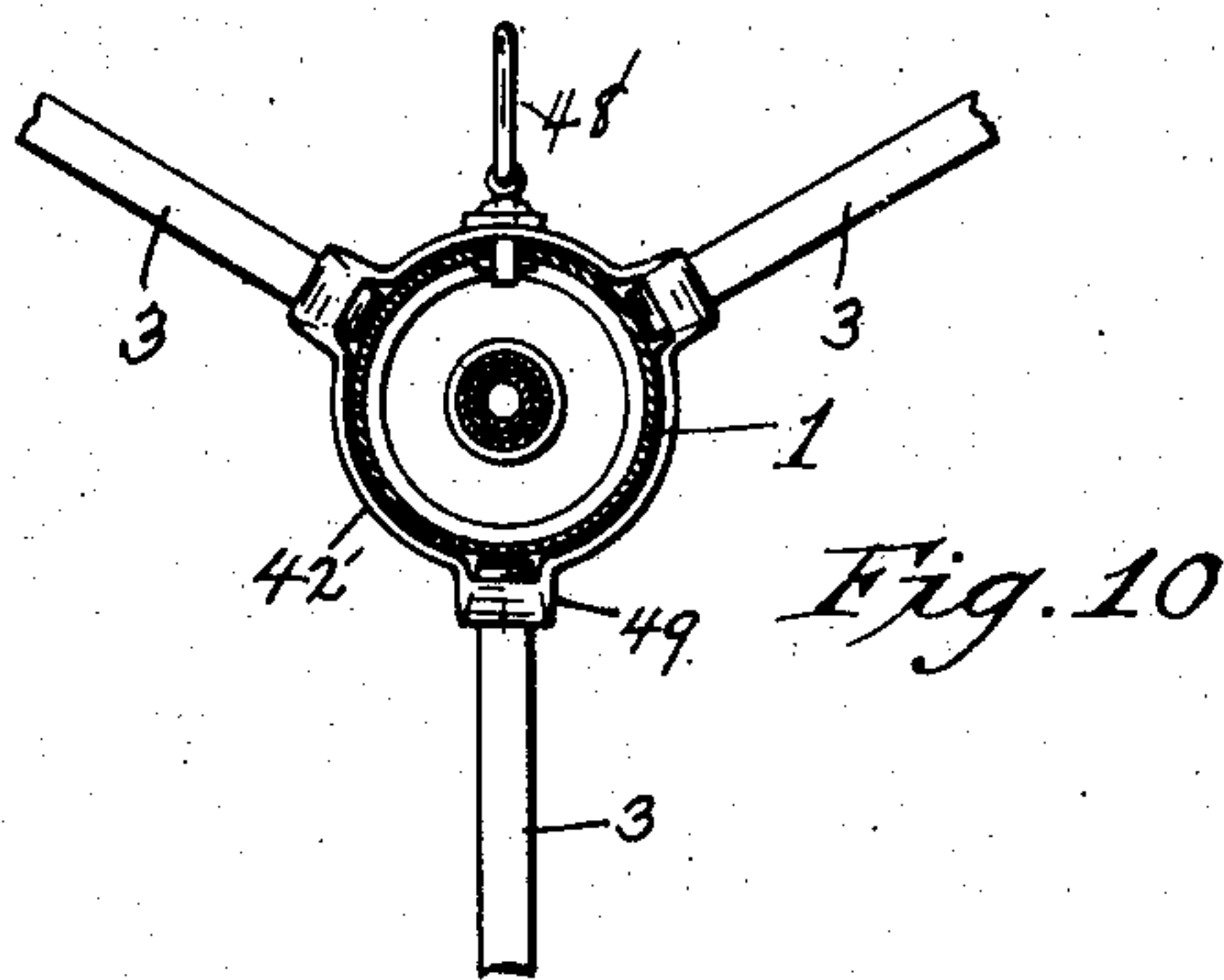
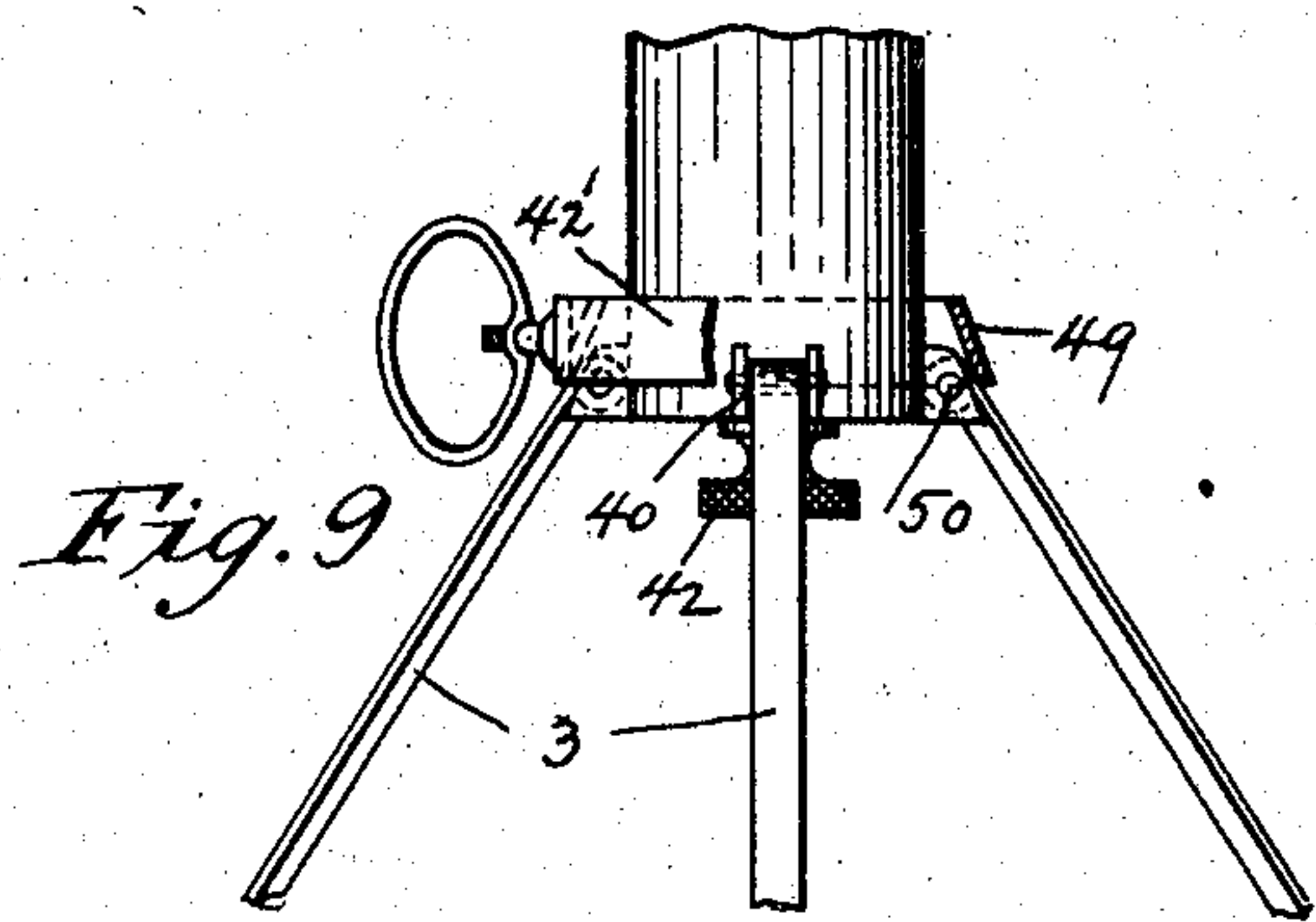
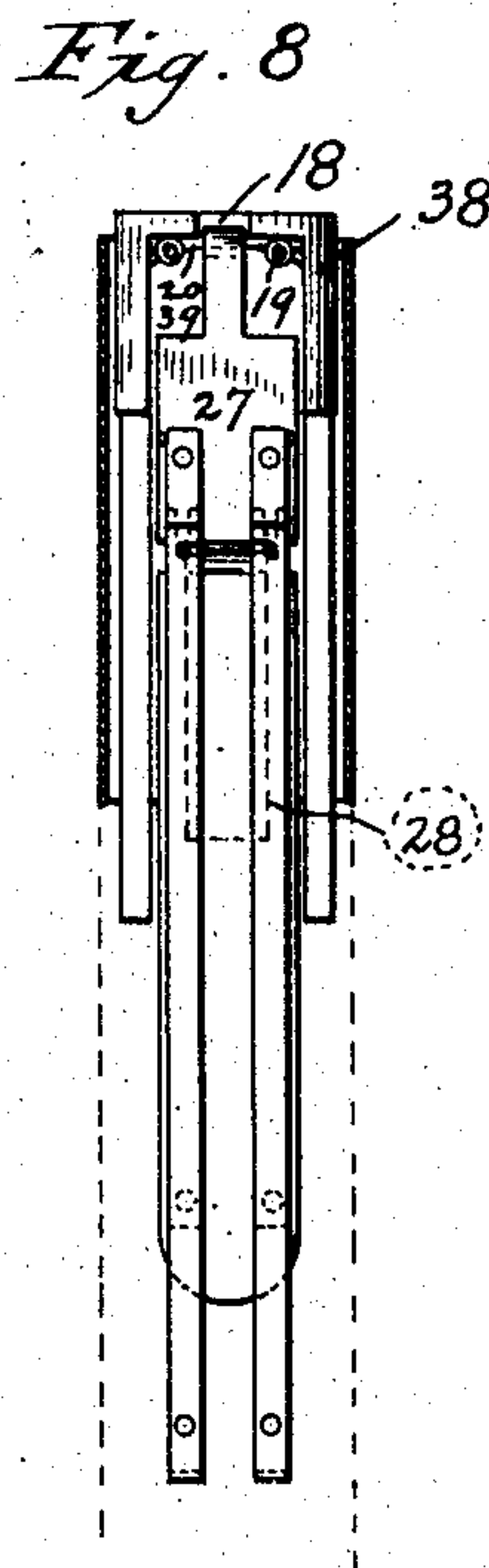
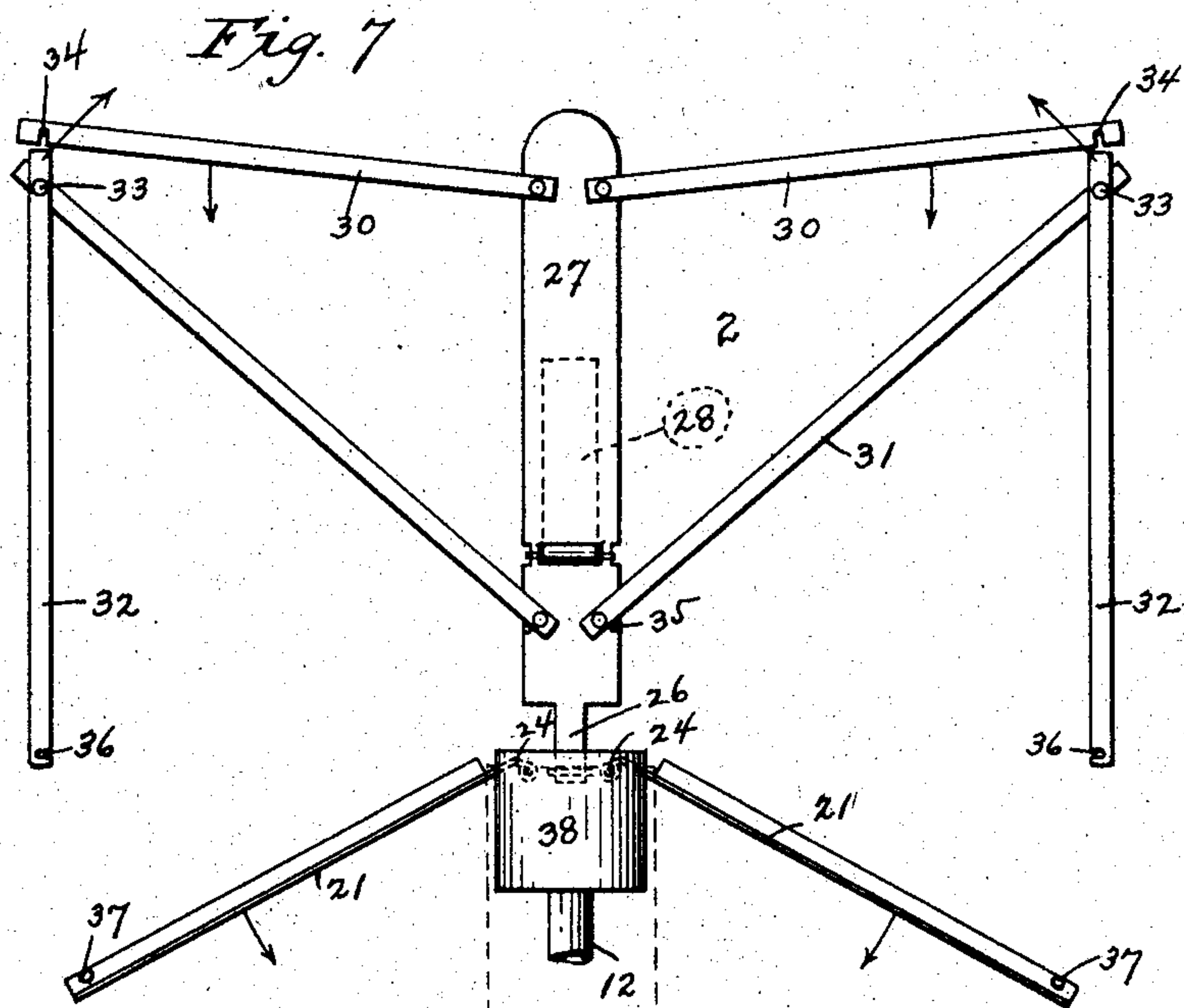
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MUSIC STAND.

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3 SHEETS—SHEET 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

EGIDIO VILLANI, OF CINCINNATI, OHIO, ASSIGNOR OF SEVENTY ONE-HUNDREDTHS TO ANTONINO CIOLEFI AND GEORGE MELARAGNO, OF CLEVELAND, OHIO, AND SALVATORO PESA, GIOVANNI PASSARELLI, AND CLOTILDE MELLINO, OF CINCINNATI, OHIO.

## MUSIC-STAND.

SPECIFICATION forming part of Letters Patent No. 790,233, dated May 16, 1905.

Application filed July 26, 1904. Serial No. 218,240.

*To all whom it may concern:*

Be it known that I, EGIDIO VILLANI, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Music-Stands, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

It has been the custom heretofore to provide collapsible music-stands with a box wherein the collapsible stand may be stowed and carried.

One of the objects of this invention is to construct a stand of this character in which no separate box will be necessary, a portion of the stand being utilized as a receptacle and carrier for the other parts.

Further objects of the invention are to improve the construction of the racks employed with such stands, as well as of the means for supporting the stand.

Generally speaking, the invention may be said to consist of the combinations of elements embodied in the claims hereto annexed.

Referring to the drawings, Figure 1 represents an elevation of a music-stand constructed in accordance with my invention. Fig. 2 represents an enlarged elevation of the same when the parts are folded up. Fig. 3 represents a longitudinal sectional view of the device shown in Fig. 2. Fig. 4 represents a front elevation of the music-rack and its supporting-base. Fig. 5 represents a side elevation of such rack, showing in dotted lines the position of a side member when folded down. Fig. 6 is a plan view of the base and side members of the rack, the central member and its support being broken away. Fig. 7 is a view similar to Fig. 4, showing the manner in which the members of the rack are disconnected and folded. Fig. 8 is a rear view of the upper portion of the device shown in Fig. 3, the casing being broken away. Fig. 9 is an elevation of the lower end of the casing and showing the manner of clamping the supporting-legs against displacement, the posi-

tion of the legs being slightly distorted to better illustrate the action of the clamping-ring. Fig. 10 is a transverse sectional view of the lower portion of the casing. Fig. 11 is a transverse sectional view of the casing with the legs folded up thereagainst on the line 11 11 of Fig. 2.

The complete stand consists generally of three portions—a central casing 1, a collapsible rack 2, and supporting-legs 3. The casing is preferably of tubular shape, as shown, and has at the lower end of the same a closure 4, which is provided with a central threaded aperture 5 and with an external threaded flange 6, engaged by the corresponding threaded end 7 of the casing. Within the casing the closure is provided with a central upstanding flange 8, to which is secured, as by soldering or brazing, a tube 9, which extends nearly to the top of the casing. Within the tube 9 is telescoped a tube 10, the upper end of which is provided with an annular cap or ledge 11, which overhangs the upper end of the tube 10. Telescoped within the tube 10 is a tube or sliding member 12. This tube may be provided with a pin 13 near the lower end thereof, extending into a slot 14 in the tube 10. (Shown in dotted lines in Fig. 3.) This slot extends nearly to the top of the tube 10, whereby when the tube or member 12 has been nearly withdrawn from the tube 10 further withdrawal of said member 12 will withdraw the tube 10 from the tube 9.

Secured to the top of the tube 12, as by a screw-threaded portion 15, is a base-plate 16. This base-plate supports the rack 2 and, as will appear more particularly from Figs. 4, 5, and 6, is provided with oppositely-located cut-out portions or recesses 17 and an intermediate cut-out portion or recess 18. The central portion of this base-plate is thickened to provide bearings for the hinge-pintles 19 and 20, which extend across the cut-out portions or recesses 17 and 18. To the pintles 19 are pivoted a pair of members 21. These members consist each of a flat plate portion



22 and an inclined flange 23. From the pintle 19 each of said members is bent upwardly at 24 in order to bring the flat portions of said members on a level with the intermediate portion 25 of the base-plate when the said members are folded up in the position shown in Fig. 4 to form a horizontal support for the sheets of music. Pivoted to the pintle 20 by a reduced portion 26 is a plate or member 27. This plate or member has pivoted thereto a stay or prop 28, the lower end of which engages a slot 29 in the base-plate to sustain the plate or member 27 in a position slightly inclined from the vertical to better support the music-sheets. The bottoms of flanges 23 are in line with the bottom of the plate or member 27, and the inclination of such flanges is the same as that of such plate, whereby the lower ends of the music-sheets are firmly supported by the three members 21, 22 and 27 when in operative position.

In order to support the members 21 in a horizontal position, I employ the following construction: Pivoted, respectively, to the upper and lower parts of the member 27 are the arms 30, 31. The arms 30 are of substantially the same length as the members 21. Pivoted to the upper ends of the arms 31 are the links 32. The pivot-pins 33, connecting the said arms 31 and links 32, are extended through these members to be engaged by the slots 34 in the arms 30. Stop-pins 35 engage the lower edges of the arms 31 when the latter are in the position shown in Fig. 4, said pins and the arms 30 forming a rigid support for the former arms. The lower ends of the links 32 are provided with lateral slots 36, engaging pins 37 on the flanges 23 of the members 21. The length of these links and of the arms 30 and 31 is such that the arms 30 and the members 21 are in a horizontal position and the links 32 in a vertical position when the rack is ready for use.

In order to fold up the rack for insertion within the casing 1, it is only necessary to lift the arms 30 a slight distance to disengage them from the pins 33, whereupon said arms may be folded downwardly, as indicated by arrows in Fig. 7. The lower ends of the links 32 are disengaged from the pins 37. The arms 31 and links 32 may then be folded upwardly alongside the member 27, and the prop 28 may be folded up against said member, as shown in dotted lines in the same figure and as indicated by arrows in Fig. 7.

The base-plate 16 is provided with a depending skirt 38. This skirt is of a size to frictionally engage the exterior of the casing 1, and this frictional engagement of the skirt and casing, as well as the friction between the sliding members or tubes 9, 10, and 12, will prevent the rack from slipping out of the casing. To permit the parts of the rack to fold down alongside the sliding member 12, the skirt is provided with slots 39, corresponding

to the recesses 17 and 18 in the base-plate 16, but sufficiently wider to permit the members 21 and 27 to be folded down therethrough, as indicated in Figs. 3, 5, 6, and 8.

The casing and rack are supported by means of three or more legs 3. These legs may be pivoted to lugs formed on the lower end of the casing, but are preferably pivoted between lugs 40, carried by a separate ring 41, secured to the lower end of said casing, as by means of a thumb-screw 42 engaging the threaded aperture of the closure 4. These legs may be curved on their upper surface to correspond to the curvature of the casing 1, as shown in Fig. 11. To secure said legs against the casing and to prevent them from spreading apart when in position to support the casing and rack, I provide the band or ring 42'. This ring surrounds the casing and may be clamped thereto in any desired position by the following means: The casing is provided with a slot 43, (see Fig. 3,) extending from the bottom nearly to the top thereof, a sufficient distance to place the upper end of said slot above the free ends of the legs when the latter are folded up against the casing. Extending through the band 42' and the slot in the casing is the pin 44, having lugs 45, engaging the interior of the casing. A sleeve 46 surrounds said pin outside the ring. The outer end of the pin is threaded at 47 and is engaged by a female thread in the handle 48, by means of which the stand may be carried and the ring clamped in any desired position. The ring 42' is preferably provided with enlargements 49, which are tapered to receive with their upper portions the legs 3 when the latter are folded up against the casing and to engage with their lower portions the upper ends of said legs beyond the pivots 50 therefor to prevent the legs from spreading when folded down to support the stand.

From the foregoing description it will be apparent that I have produced a music-stand which is self-contained, requiring no extra box wherein to place the parts of the stand, as well as a stand that is particularly adapted to be collapsed or folded into a small compass.

While the member 27 is not strictly vertical when in operative position, I have employed the term "vertical" in the description and some of the claims as a general term distinguishing this member from the members 21, which are horizontal when in operative position.

While I have described my invention in detail, it will be obvious that such details may be departed from more or less without affecting the spirit of my invention, and I do not propose to be limited to such details, except as they may be included in the claims or rendered necessary by the prior state of the art.

Having described my invention, I claim—

1. In a collapsible music-stand, the combination of a base, a rack comprising a pair of



members pivoted to opposite portions of the base, a central member pivoted to the base, a pivoted support extending between the base and the central member to support the latter in a substantially vertical position, and pivoted arms connecting the central member and the other members to support the latter in a horizontal position.

2. In a collapsible music-stand, the combination of a base, a pair of members pivoted to opposite sides of said base, a member pivoted to another portion of said base, a pivoted support adapted to engage said base and said last-mentioned member to maintain the same in a substantially vertical position, arms pivoted to the upper end of such vertical member, means for supporting said arms in an extended position, and links extending between said last-mentioned arms and the oppositely-located members to support the latter in a horizontal position.

3. In a collapsible music-stand, the combination of a base, a pair of members pivoted to opposite portions of said base, a member pivoted to another portion of said base, means for supporting said last-mentioned member in a substantially vertical position, arms pivoted to the upper portion of said member, other arms pivoted to the lower portion of said member to support the first-mentioned arms in an extended position, and links connecting said arms and the first-mentioned members to support the same in a horizontal position.

4. In a collapsible music-stand, the combination of a base, a pair of members pivoted to opposite portions of said base, a member pivoted to another portion of said base, means for supporting said last-mentioned member in a substantially vertical position, arms pivoted to the upper portion of said member, other arms pivoted to said member and detachably engaging the first-mentioned arms to support the same in an extended position, and links connected to said arms and detachably connected to the first-mentioned members to support the same in a horizontal position.

5. In a collapsible music-stand, the combination of a base, members pivoted to opposite portions of said base, a member pivoted to said base intermediate of the first-mentioned members, means for supporting the intermediate member in a position slightly inclined from the vertical, means for supporting the other members in a horizontal position, each of said last-mentioned members consisting of a horizontal portion and a flange, said flange, when said last-mentioned members are in a horizontal position, being in the plane of the intermediate member when the latter is in its elevated position.

6. In a collapsible music-stand, the combination of a base, said base consisting of a flat plate having oppositely-located recesses and a recess intermediate of said other recesses,

members pivoted between said recesses, means for supporting the intermediate member in a position slightly inclined from the vertical, means for supporting the other members in a horizontal position, each of said last-mentioned members consisting of a horizontal portion and a flange, said flange being in the plane of the intermediate member when the latter is in its elevated position, and said horizontal portions being in the plane of the top of the plate, whereby a flat support is provided for the bottom of the music-sheets.

7. In a collapsible music-stand, the combination of a casing, a base, said base consisting of a horizontal plate and a depending skirt of smaller diameter than said casing, said base and skirt having oppositely-located recesses and a recess intermediate of said other recesses, a music-rack supported by said base, said rack comprising members pivoted within the recesses of the base and skirt, pivoted members for supporting the oppositely-located members in a horizontal position and the intermediate members in a substantially vertical position, said plate and skirt being adapted to be inserted, with the collapsible rack, within the casing.

8. In a collapsible music-stand, the combination of a casing, means for supporting sheets of music above said casing, legs pivoted adjacent to the lower ends of said casing for supporting the same, a band surrounding said casing and adapted to receive the legs when the same are folded up against the casing; said casing having a longitudinal slot therein, a pin extending through said slot, said pin having means engaging the inner surface of the casing and having its outer end threaded, and a handle having a portion engaging the thread of the pin, whereby the said handle serves as a clamp for securing the band in position on the casing.

9. In a collapsible music-stand, the combination of a casing, means for supporting music-sheets above said casing, legs pivoted adjacent to the lower end of said casing and adapted to be folded up against the same, an adjustable band closely fitting around said casing and provided with enlarged portions adapted to receive said legs when they fold up against the casing, means for clamping said band at different points along said casing as far as the lower end of the same, whereby the enlargements may contact with the legs beyond the pivotal points of the same to prevent the spreading of such legs when serving to support said casing.

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

EGIDIO VILLANI.

Witnesses:

GUSTAV B. WERNER,  
GRACE CAMPBELL.