

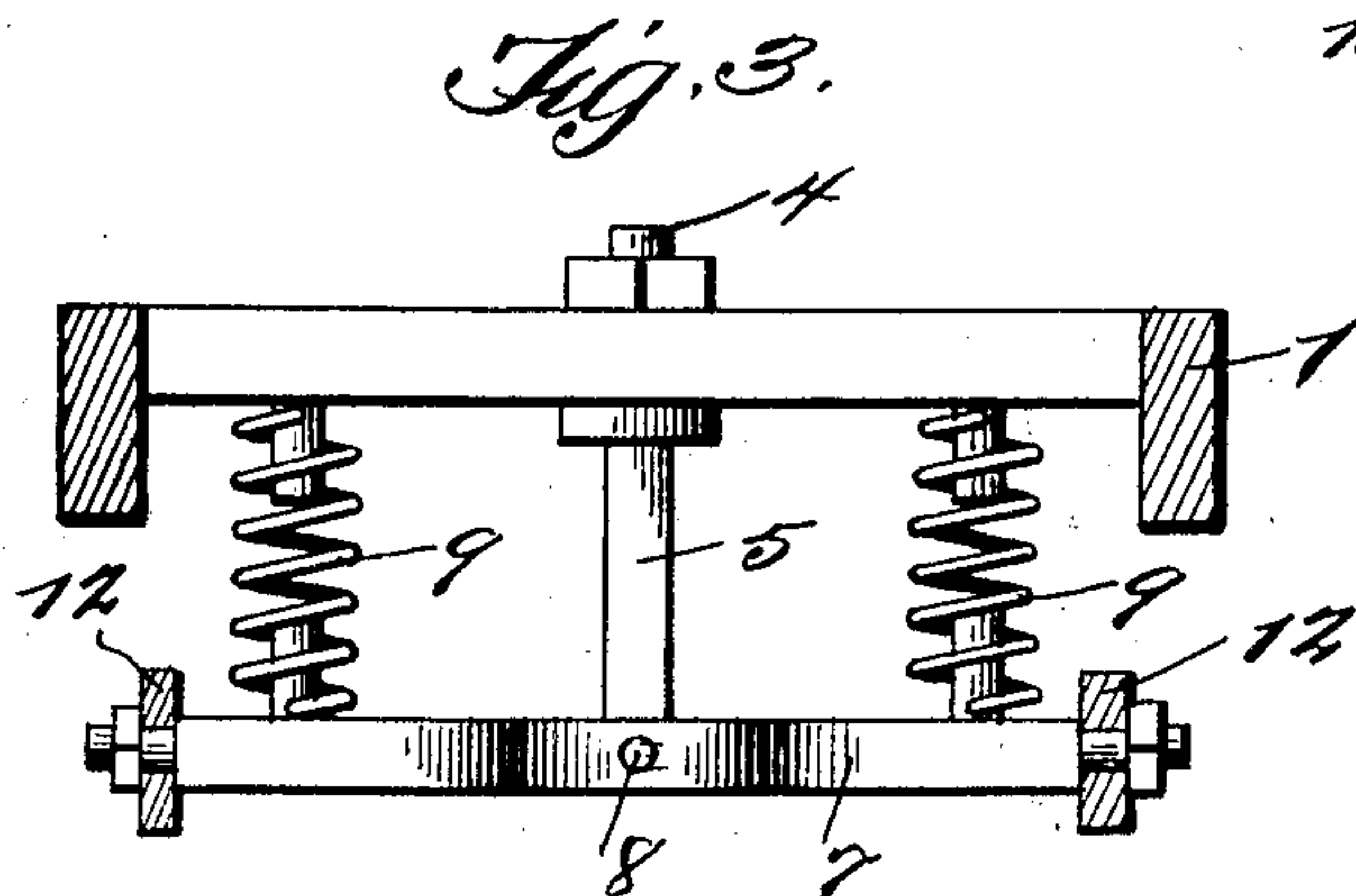
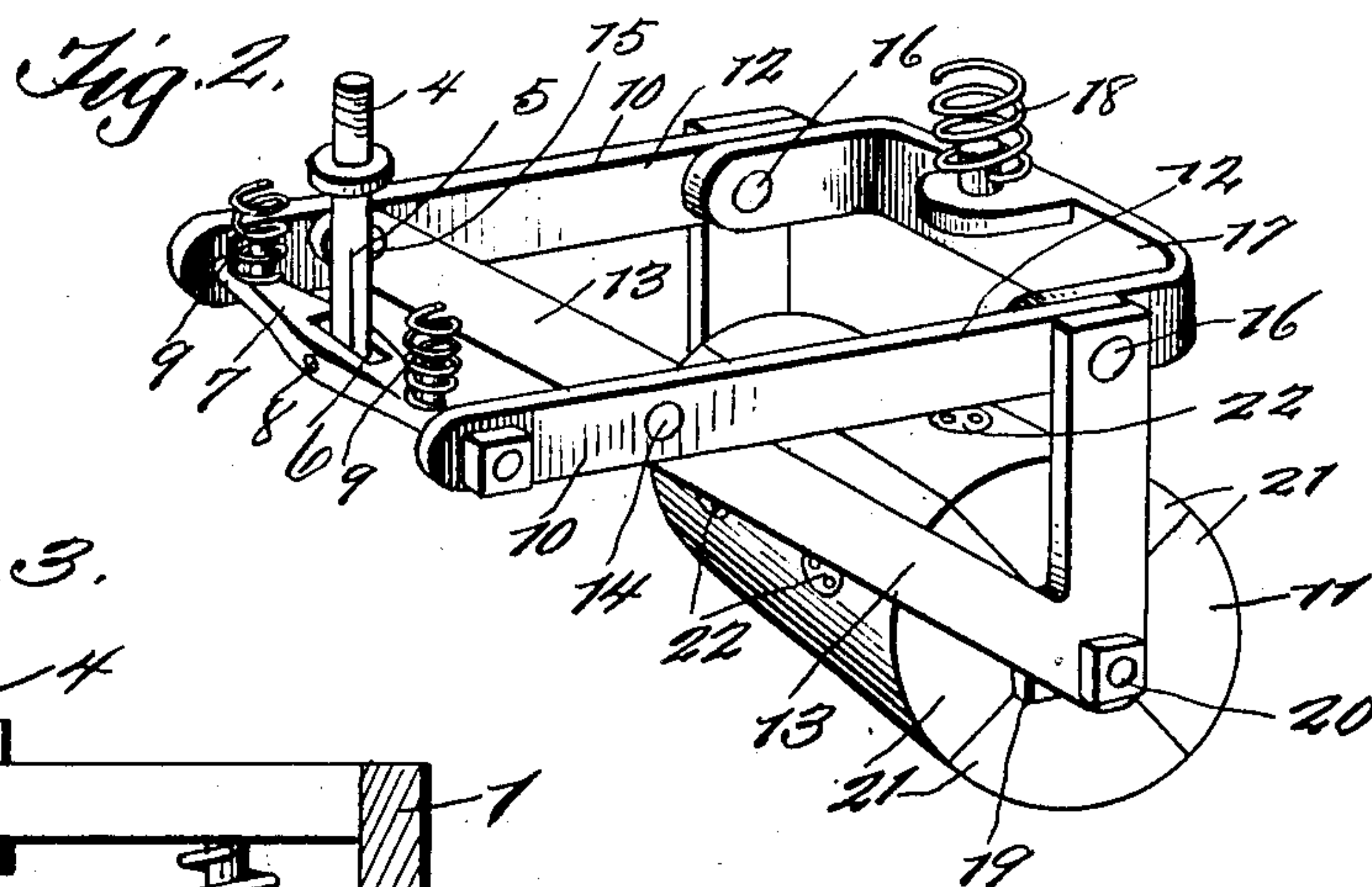
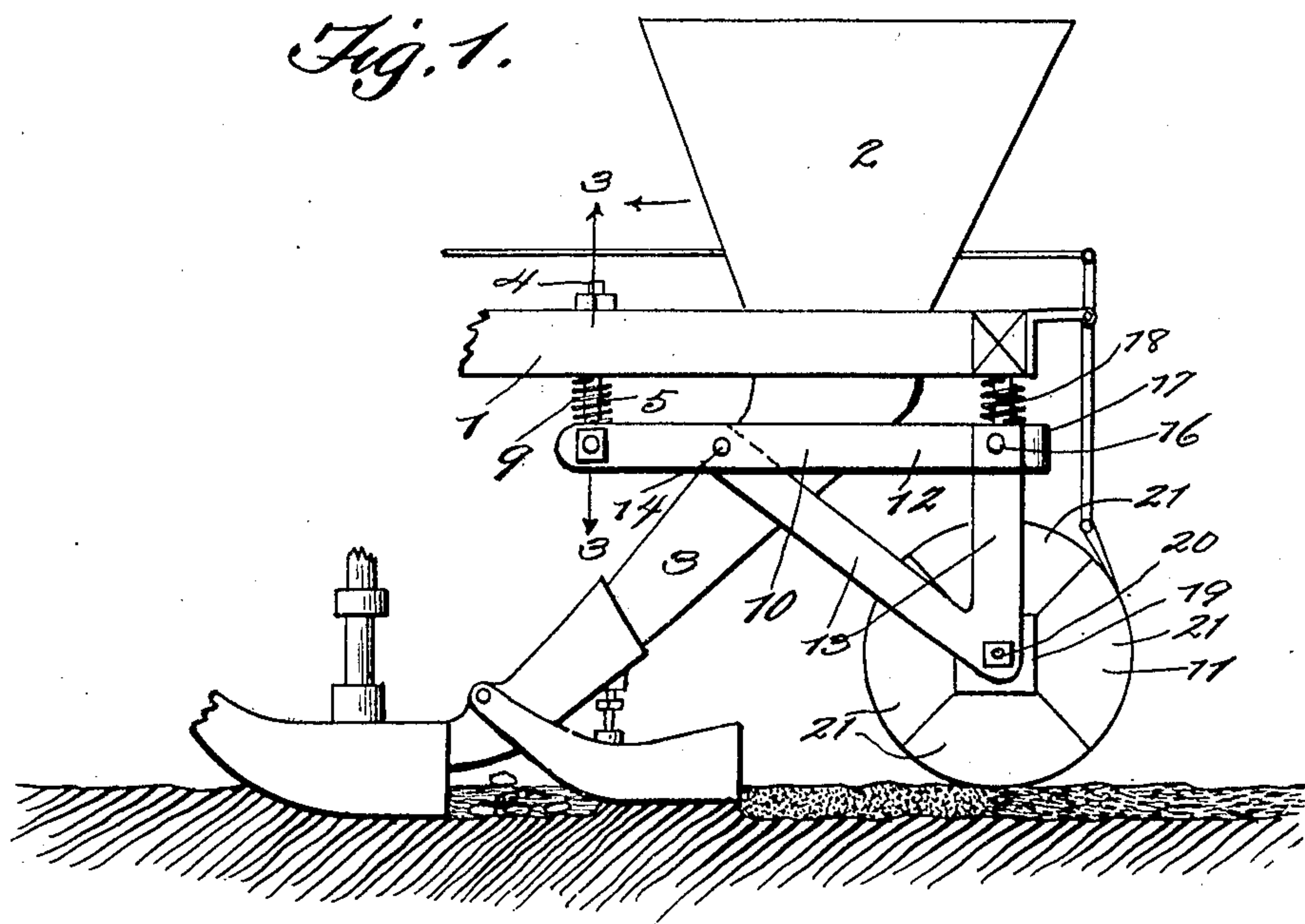
No. 882,379.

PATENTED MAR. 17, 1908.

W. D. GILBREATH.
ATTACHMENT FOR PLANTERS.

APPLICATION FILED NOV. 15, 1907.

2 SHEETS—SHEET 1.



Witnesses

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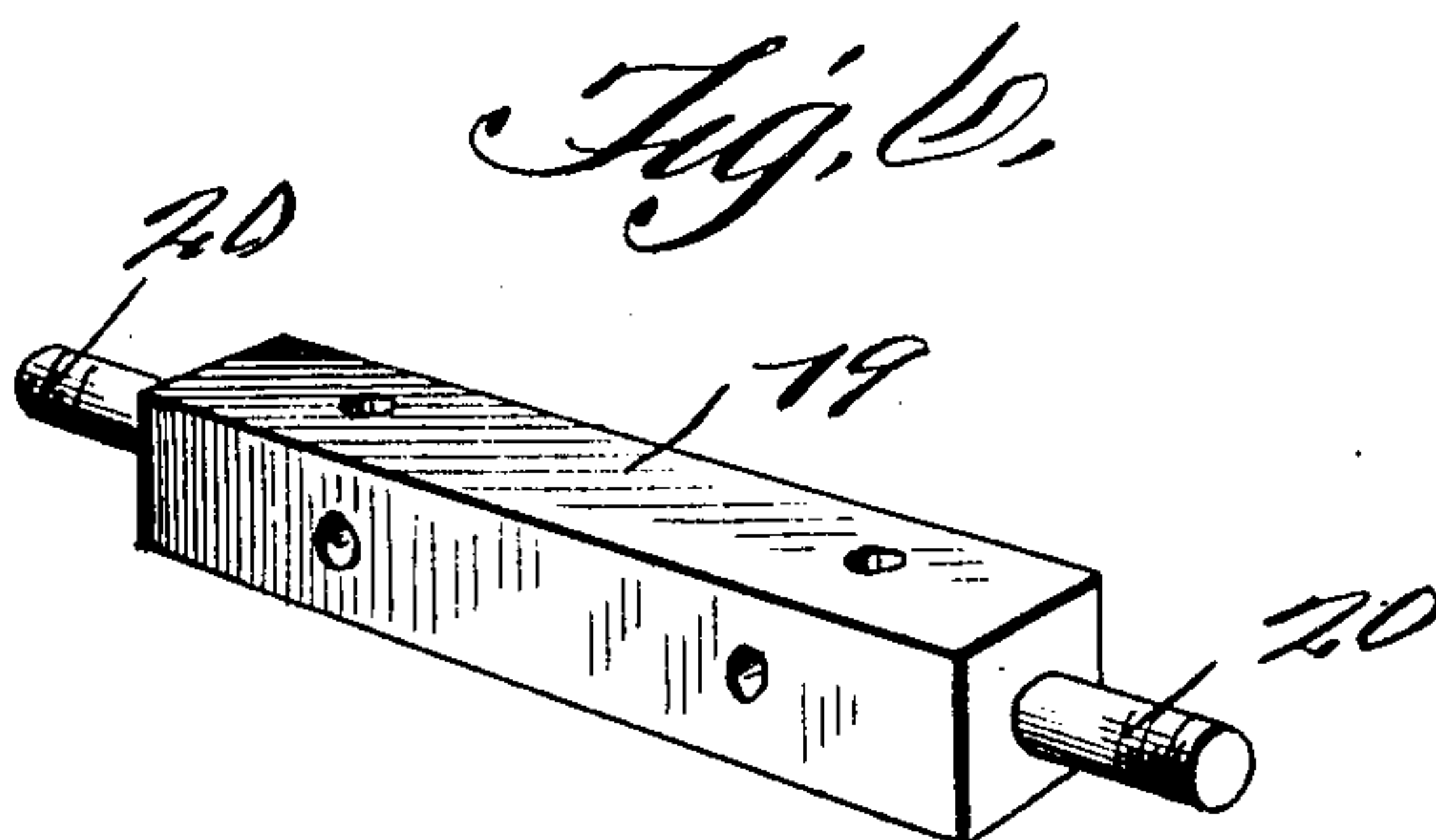
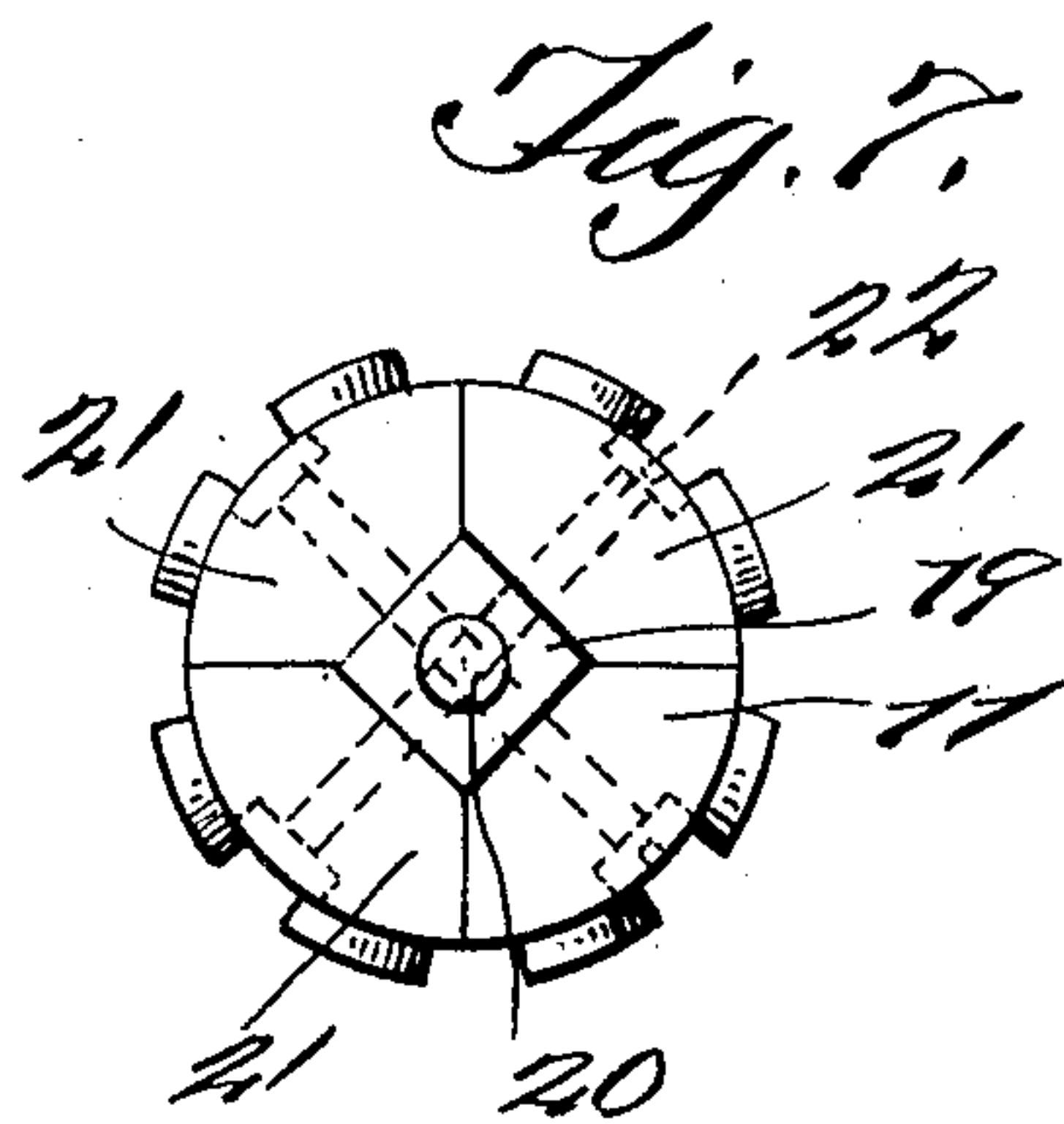
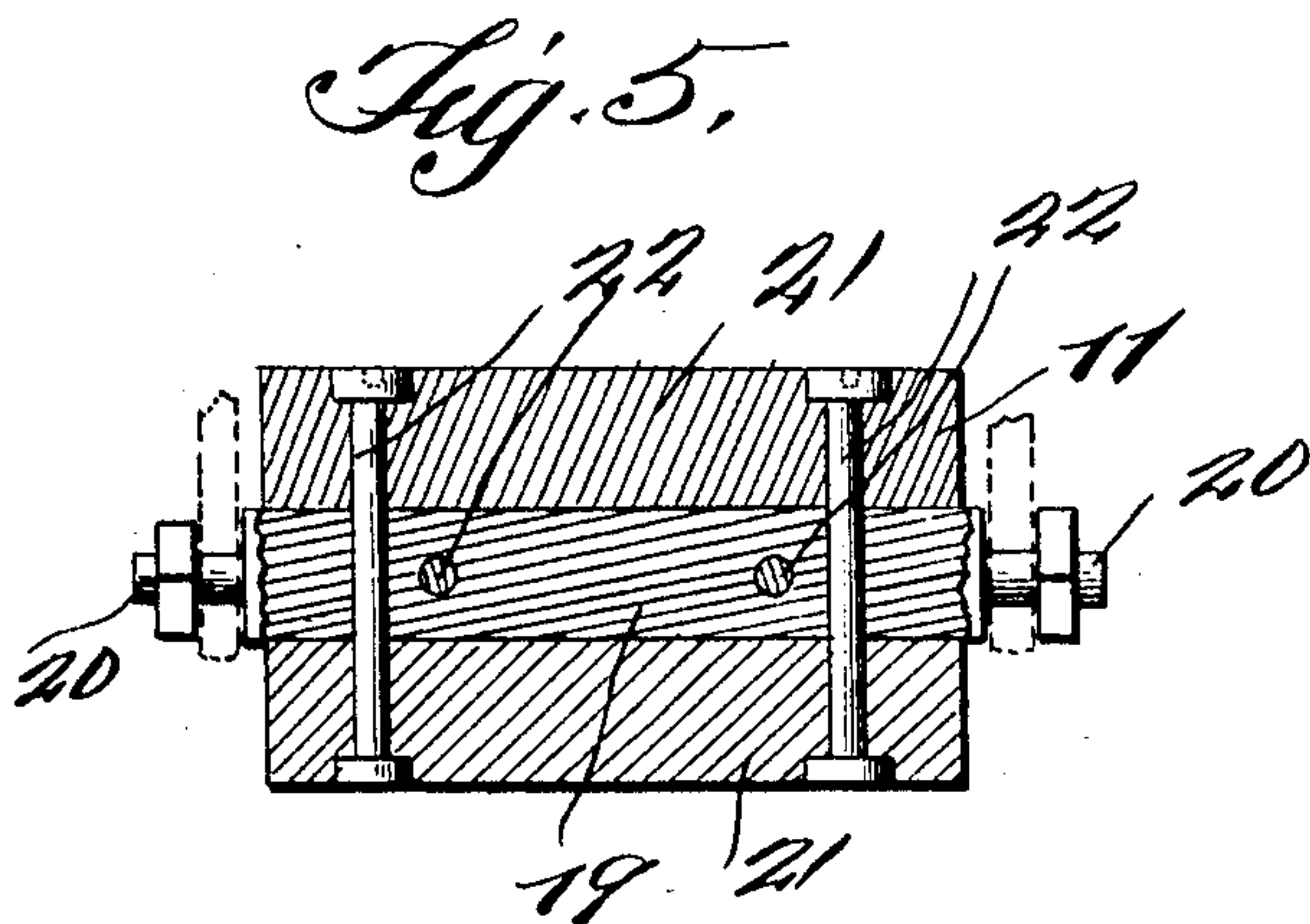
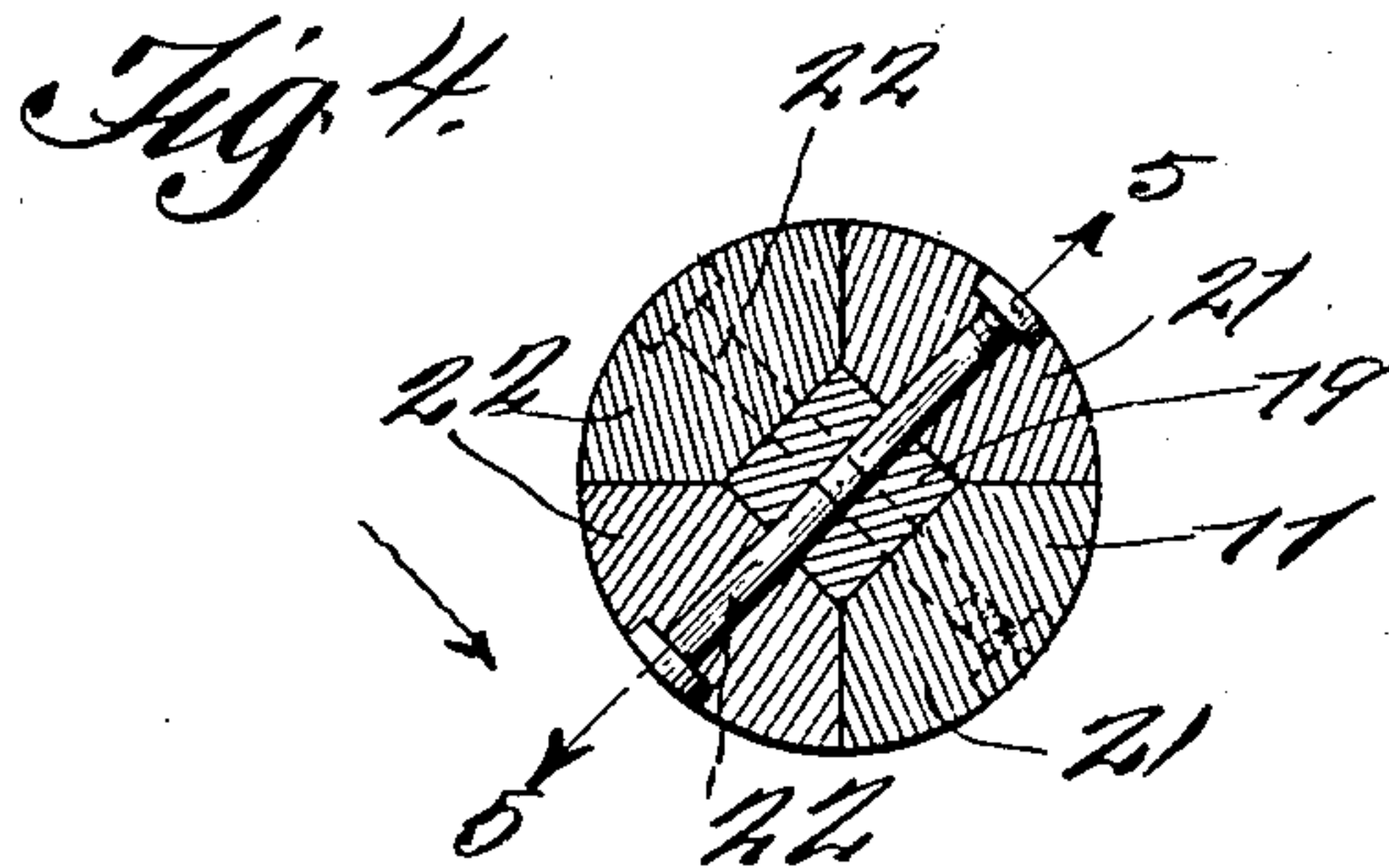
Attorneys

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2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WALKER D. GILBREATH, OF ARAPAHO, OKLAHOMA.

ATTACHMENT FOR PLANTERS.

No. 882,379.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed November 15, 1907. Serial No. 402,302.

To all whom it may concern:

Be it known that I, WALKER D. GILBREATH, a citizen of the United States, residing at Arapaho, in the county of Custer, Oklahoma, have invented a new and useful Attachment for Planters; and I do hereby 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.

This invention pertains to a new and useful attachment for planters of any type or description, and the invention in its broadest aspect has for its essential object to provide a presser roller adapted to follow the drill of a planter, so as to compact the soil, so that the seed, or that which is deposited will more readily and quickly sprout, more so than heretofore.

The invention directs as a further object, to provide a roller composed of a square shaft, to which removable quarter sections forming said roller are secured.

A further object of the invention, in combination with the said roller, is to provide a frame composed of a pair of sides, triangular in contour, and which are flexibly connected by an arch, and which are also provided with a flexible connection with the frame of a planter.

This invention comprises further combinations of elements which will be hereinafter more fully described, shown in the accompanying drawings, and the novel features thereof will be pointed out by the appended claims.

To obtain a full and correct understanding of the details of construction, combinations of features, elements and advantages, reference is to be had to the hereinafter set forth description and the accompanying drawings in connection therewith, wherein

Figure 1 is a side elevation of a planter showing the improved presser roller attached thereto. Fig. 2 is a perspective view of the presser roller and its frame detached from the planter. Fig. 3 is a sectional view on line 3—3 of Fig. 1. Fig. 4 is a cross sectional view of the presser roller, clearly illustrating the square portion of the shaft thereof, and the quarter sections of the roller. Fig. 5 is a longitudinal sectional view of the said presser roller. Fig. 6 is a detailed perspective view of the shaft of the said roller. Fig. 7 is an end view of said presser roller.

Like reference characters are used to indi-

cate similar features and elements throughout the several illustrations of the drawings.

In regard to the accompanying drawings, 1 designates the frame of a planter, which is provided with the usual seed box 2, and the drill 3; fixed to the frame of the planter is a bolt 4, having a lower extension 5, which is received by a recess 6 formed in an oscillatory member 7 as shown clearly in Figs. 2 and 3. Extending transversely of the member 7 and its recess and through the extension 5 is a pin 8 forming a pivot for the member 7. Adapted to coact between the portions beyond the pivot of the said member 7, and the frame of the planter are springs 9, the purpose of which springs being to allow the frame 10, which supports the presser roller 11, to have resiliency with relation to the frame of the planter, as will be clearly evident.

The frame 10 comprises the sides 12 which are triangular in outline and composed of the metallic members 13, preferably steel, and which members 13 are riveted as at 14, 15 and 16 as clearly shown in Fig. 2. The rivets 16 are so constructed as to also fasten the arch 17, in such wise as to allow the said sides of the frame to have a flexible movement with relation to the frame of the planter. Positioned between the arch 17 and the frame of the planter is a spring 18, the purpose of which being to hold the said presser roller to its work.

The presser roller comprises a square shaft 19 having pintles 20 which are journaled in bearings in the sides of the frame 10. Fastened to the square portion of the shaft 19, is the presser roller 11, which is formed of elongated quarter sections 21, through which the bolts 22 pass, which bolts also pass through the said shaft, as will be clearly manifest. The purpose of forming the presser roller in this new and novel manner, being to allow one or two, or the entire set of quarter sections to be removed, for the placement of others of different configuration, which may be more adapted for different work, for instance a quarter section or sections having corrugations or cylindrical broad lugs, would cause the soil to compact more effectually.

From the foregoing, the essential features, elements and the operation of the device, together with the simplicity thereof, will be clearly apparent.

Having thus described the invention, what

is claimed as new and useful by the protection of Letters Patent is:

1. In a device as set forth, a planter frame having a drill, a presser roller having a frame 5 vertically yieldable with relation to the planter frame and attached thereto, said frame being composed of triangular sides having a flexible connection.

2. In a device as set forth, a planter frame 10 having a drill, a presser roller having a frame vertically yieldable with relation to the planter frame and attached thereto, said frame being composed of triangular sides, and an arch connected between said sides.

3. In a device as set forth, a planter frame 15 having a presser roller yieldingly attached thereto through the medium of an intermediate frame, said roller comprising a shaft, quarter sections being fixed thereto and bolts 20 for securing the quarter sections.

4. In a device as set forth, a planter frame having a drill, a presser roller frame having flexible connections with the planter frame, 25 said presser roller frame being composed of two sides having a flexible connection therebetween, and a presser roller to follow in rear of the drill.

5. In a device as set forth, a planter frame having a drill, a presser roller frame having flexible connections with the planter frame, 30 said presser roller frame being composed of two sides having a flexible connection therebetween and a presser roller composed of quarter sections to follow in rear of the drill.

6. In a device as set forth, a planter frame 35 having a presser roller frame provided with flexible connections with the planter frame, said flexible connections comprising an oscillatory member, said planter frame having a downwardly projecting member forming a 40 pivot for said oscillatory member, said presser roller frame being composed of two sides having a flexible connection therebetween and pivoted to the ends of the said 45 oscillatory member, and a presser roller composed of quarter sections journaled between said sides.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALKER D. GILBREATH.

Witnesses:

CHARLES W. BREWER,

FRED. B. GALLIOS.