L. J. DESLATTES.

FLUID LEVEL.

APPLICATION FILED AUG. 10, 1908.

946,660. Patented Jan. 18, 1910.

Fig. 1.

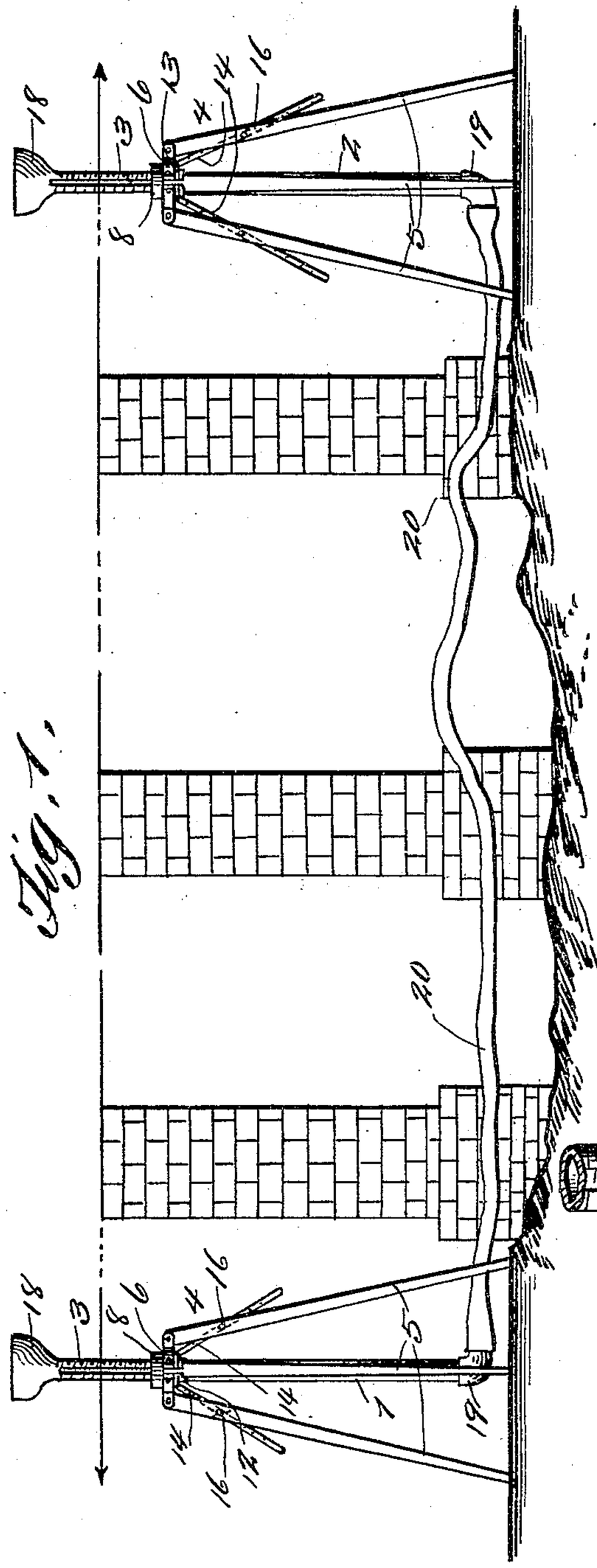

Fig. 3.

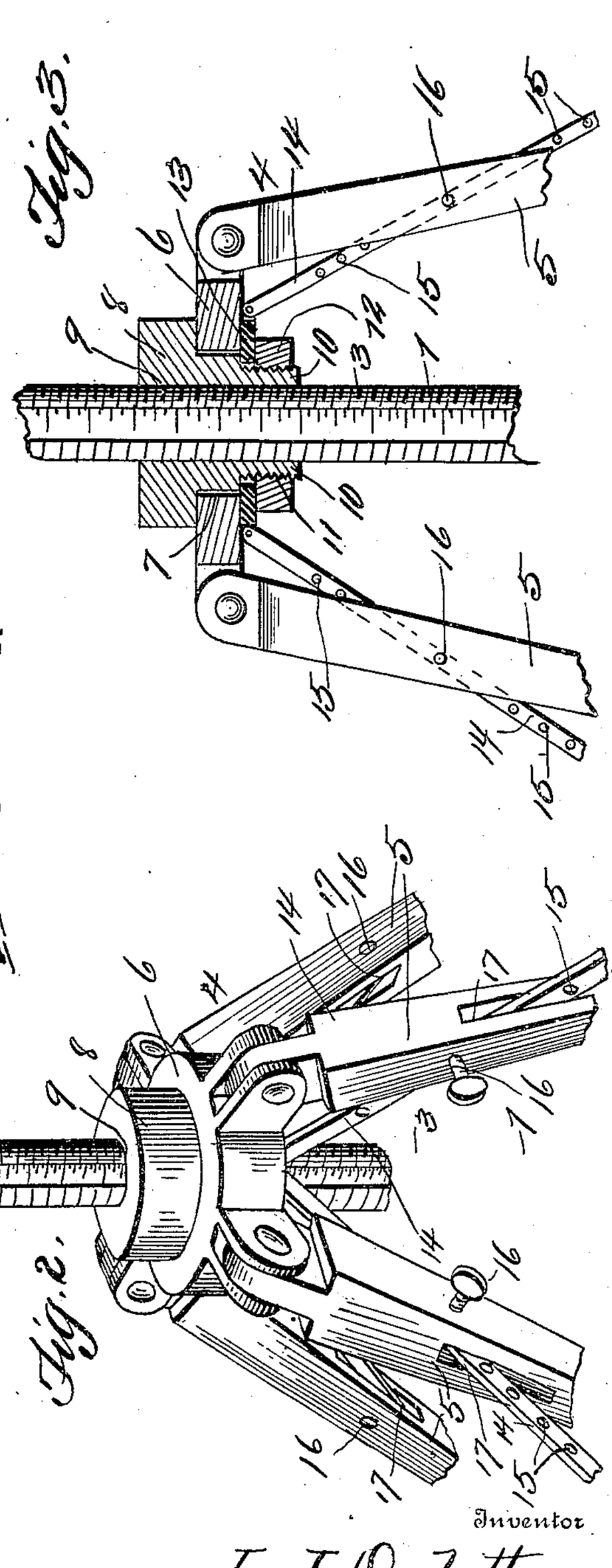

Fig. 2.

Fig. 4.

Witnesses

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FLUID-LEVEL.

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To all whom it may concern:

Be it known that I, LEZIN J. DESLATTES, a citizen of the United States, residing at Garyville, in the State of Louisiana, have invented a new and useful Fluid-Level; 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.

The invention about to be set forth and claimed pertains to a new, novel and useful fluid level, especially designed for the purpose of leveling building or other structural foundations, and the invention in its fundamental characteristics has for its primary object to provide a device of this nature, by which foundations may be effectively leveled to any degree or height, as will be hereinafter clearly manifest.

The invention has for a further object the provision of such a level, in which a pair of vertical glass tubes is employed, and which are supported in vertical positions, by means of tripods, with relation to which the said tubes are vertically adjustable, as is evident.

A further object of the invention is to provide means carried by the said tripods, and coöperative with the glass tubes, whereby the same may be held in their adjusted vertical positions.

A further object of the invention is to provide the glass tubes with funnel shaped upper portions, whereby water or other fluid may easily and readily enter, and a flexible tube of any suitable material, preferably such material as that from which rubber hose are manufactured, is connected to the lower elbowed ends of the said tubes, as will be clearly apparent.

This invention comprises further objects and 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.

The features, elements and the arrangement thereof, which constitute the above entitled invention, may be changed and varied, that is to say, in an actual reduction to practice, with the understanding that the changes and variations accruing from said reduction to practice are limited to the scope of 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 an elevation of the improved level. Fig. 2 is a perspective view of one of the tripods, showing the same supporting one of the glass tubes. Fig. 3 is a sectional view vertically through one of the tripods, showing the means for adjusting vertically one of the graduated tubes.

In regard to the drawings, wherein similar reference characters indicate corresponding parts in the several illustrations, by figures, 1 and 2 designate two graduated glass tubes, which are provided with interrupted threads 3. Said tubes are vertically supported by means of the tripods 4. These tripods consists preferably of three legs 5, which are pivoted to a table portion or disk 6, in which an aperture or bore 7 is formed. Fitting the aperture or bore 7 is a rotatable sleeve or nut 8, having an interior threaded bore 9 for engagement with the threads of said glass tubes, and which when rotated will raise or lower the tubes. The graduations upon the tubes are for the purpose of indicating the height of the water level in the tubes, that is to say, measuring from the upper surface of the disks or table portions 6 of the tripods, there being no numerals indicating the specific height of the water from the said disks, but it is to be understood that these graduations indicate feet, which are subdivided into smaller parts, as clearly shown in Fig. 3 of the drawings. The lower portions of these sleeves or nuts are provided with extensions 10 having threads 11, with which a nut 12 engages, as shown clearly in Fig. 3 of the drawings. Interposed between the nuts 12 and the lower faces of the table portions or disks are washers or annular rings 13, to the peripheries of which bars 14 are pivoted, which are provided with a plurality of apertures 15, designed to be engaged by the pins 16, as seen clearly in the drawings. These bars 14 extend through openings 17 of the legs of the tripods, and in which they are adjustably held by the said pins. By rotating the sleeves or nuts 8 in one direction or the other, it is apparent that the graduated tubes will be moved upward or downward.

The upper ends of the tubes are provided

with funnel shaped portions 18, and their lower portions are provided with elbows 19, to which the ends of the flexible tube 20 are connected, as seen clearly in Fig. 1 of the drawings.

To assist in illustrating the manner in which the fluid level is utilized, a plurality of pillars are shown in Fig. 1, which are mounted upon an uneven surface. The upper ends of the pillars are shown to be even with the water in the tubes.

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

What is claimed as new and useful is:—

1. In a fluid level, a pair of adjustable threaded graduated transparent tubes, supports therefor having disks provided with openings, members threaded to the tubes and positioned within said openings, said members having threads upon their lower outer circumferences, means for engaging the threads of the said lower outer circumferences for holding said members in place, and a flexible conduit connecting the tubes.

2. In a fluid level, a pair of adjustable threaded graduated transparent tubes, supports therefor having disks, members encircling and threaded to the tubes for adjusting them, said members having swiveled connections with the disks and a flexible conduit connecting the tubes.

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

LEZIN J. DESLATTES.

Witnesses:

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