

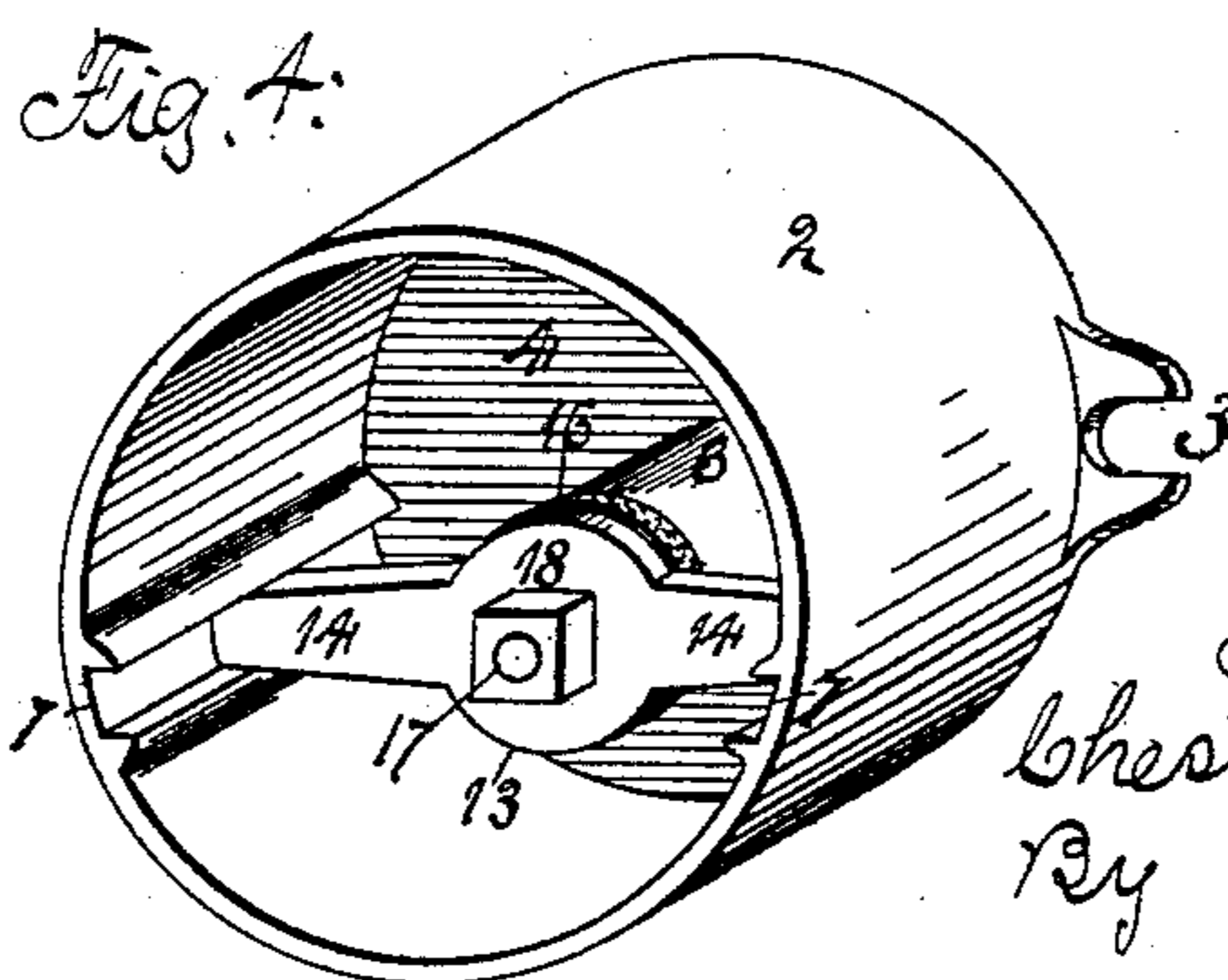
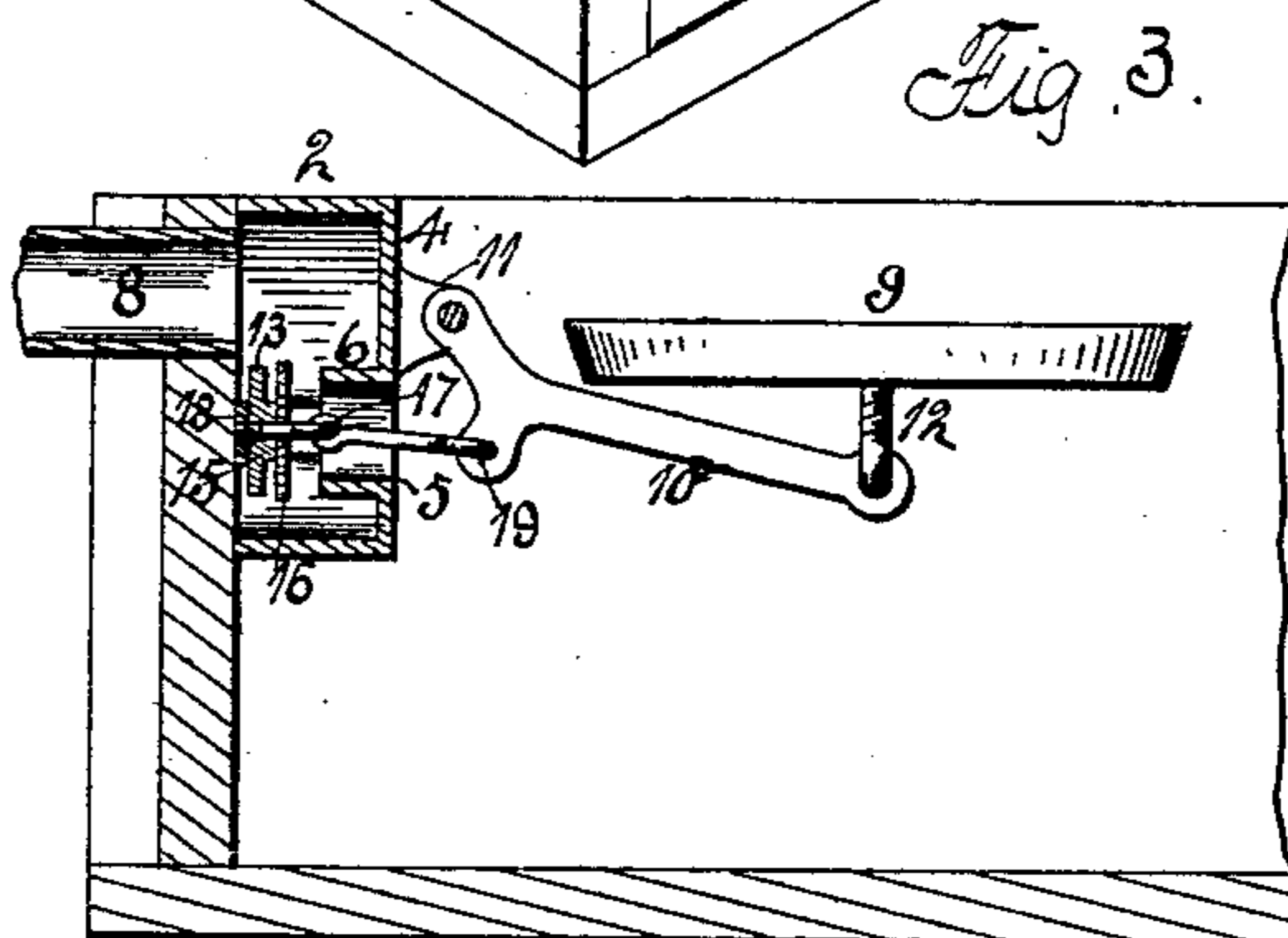
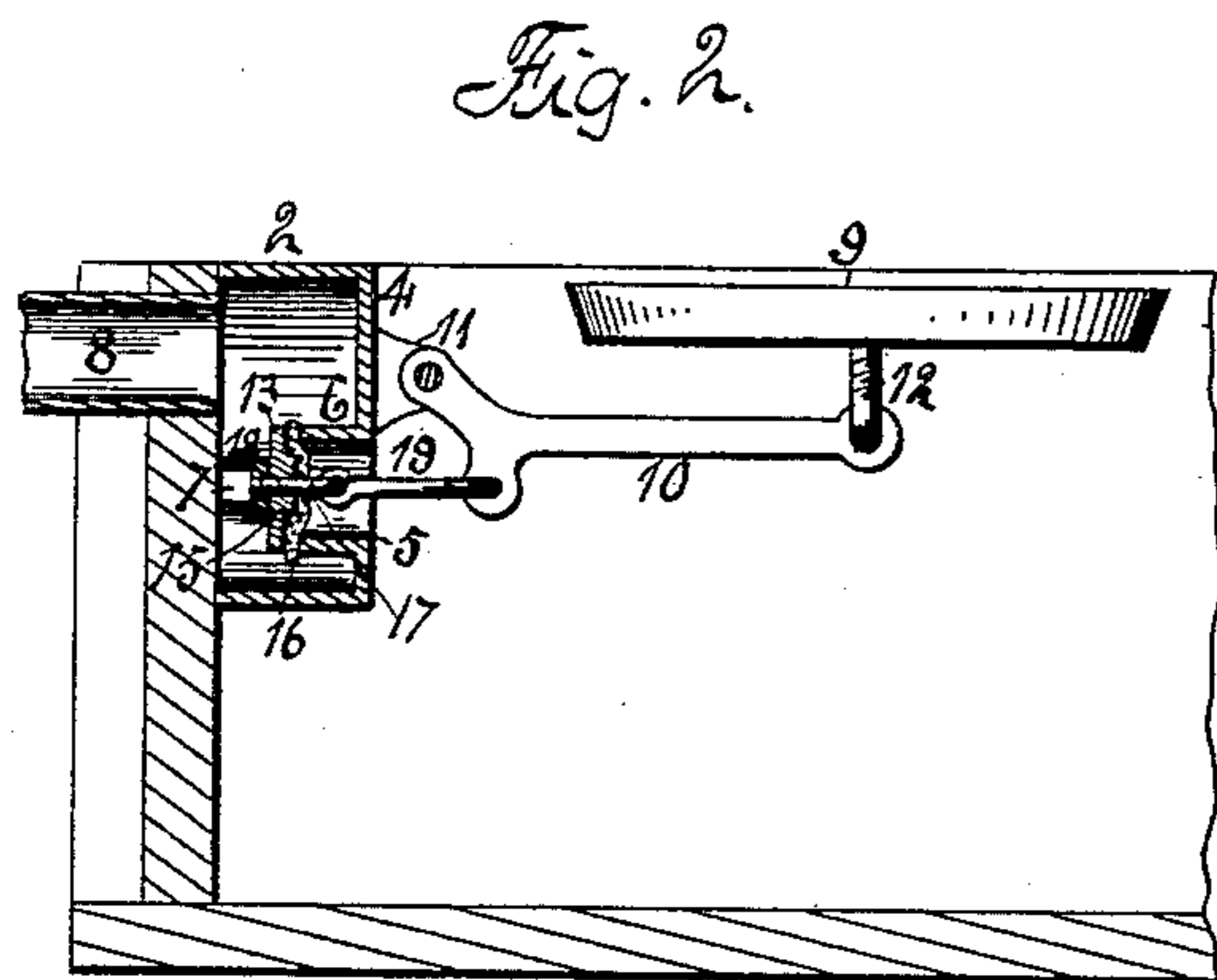
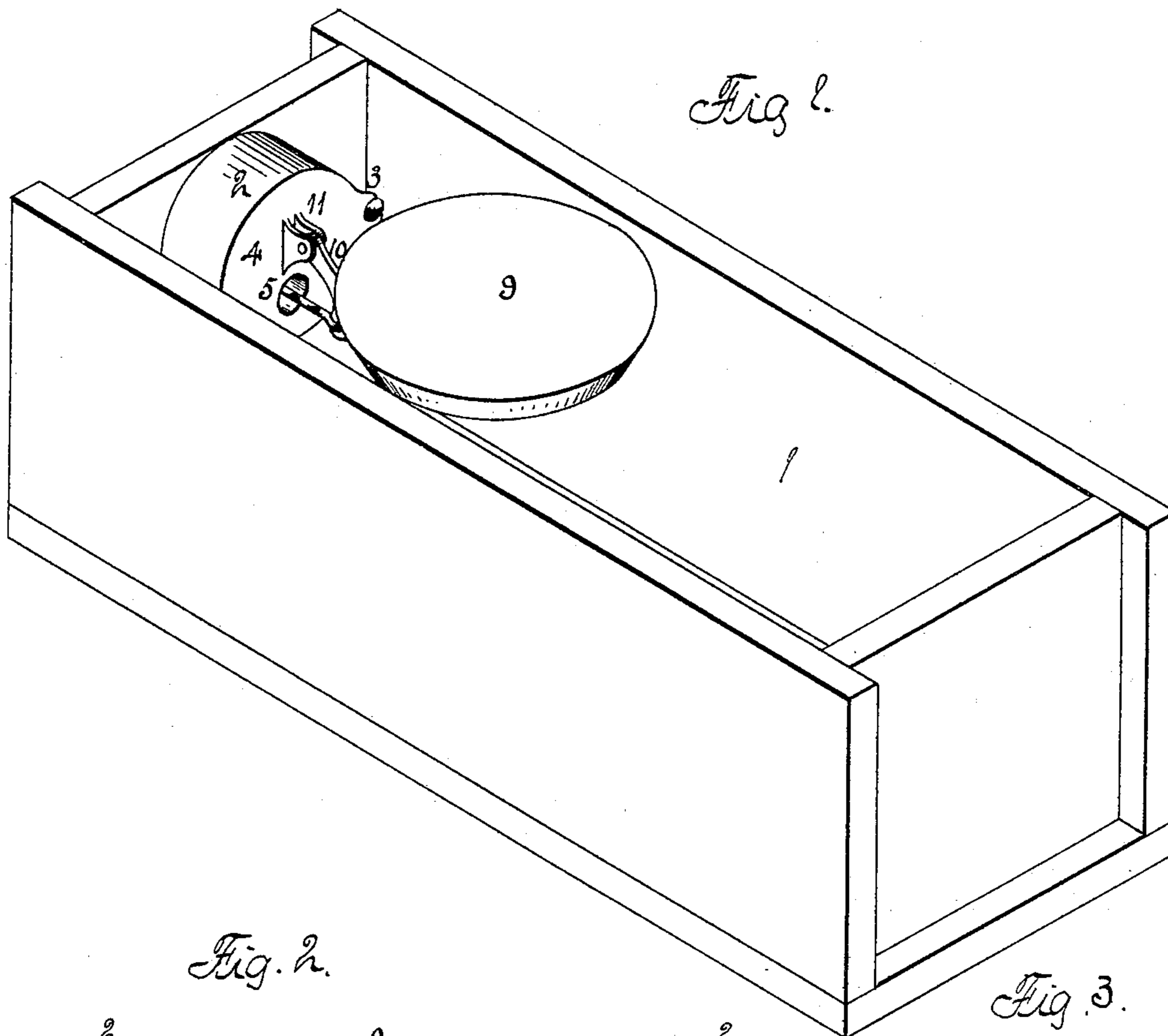
No. 625,494.

Patented May 23, 1899.

C. FARMER.
WATER TANK.

(Application filed Mar. 29, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

CHESTER FARMER, OF ROCKFORD, ILLINOIS.

WATER-TANK.

SPECIFICATION forming part of Letters Patent No. 625,494, dated May 23, 1899.

Application filed March 29, 1898. Serial No. 675,649. (No model.)

To all whom it may concern:

Be it known that I, CHESTER FARMER, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Water-Tanks, of which the following is a specification.

The object of this invention is to automatically regulate the supply of water to a tank. In the accompanying drawings, Figure 1 is an isometrical representation of a tank, containing my improvements. Fig. 2 is a lengthwise vertical section showing the valve in its closed position. Fig. 3 is a similar section in which the valve is in its open position. Fig. 4 is an isometrical representation of the valve as seen from its open end.

The tank 1 in this instance is of rectangular form, but may be of any desired form. To one end is secured my improved valve, consisting of a shell 2 and held in place by bolts located in the ears 3. One end 4 of this shell is closed and has an opening 5, surrounded by an inwardly-extending flange 6. The inner face of this shell is provided with two lengthwise guideways 7. A pipe 8 forms a connection between the valve and water. A float 9 has a pivotal connection with the closed end of the shell by the lever 10, pivoted between ears 11, extending from the shell, and a screw-threaded eye 12, connected to the arm and having a screw-threaded engagement with the float.

Within the shell is located a guide consisting of the center portion 13 and the arms 14.

The arms are located in the guideways 7 of the shell. The center portion 13 has a boss 15 extending from its inner face, against which is located a disk 16 of packing material. An eyebolt 17 is passed through the packing and center portion, receiving a nut 18 on its projecting end. A link 19 connects the eyebolt 17 and the lever 10, thus forming a connection between the guide and float. The float will rise and fall according to the height of the water in the tank and will cause the guide to move in the guideways 7, thereby opening and closing the inlet-opening in the tank.

By means of the float having a screw-threaded connection with its support it can be raised and lowered to regulate the height of water in the tank.

I claim as my invention—

The combination of a water-tank, a valve therefor consisting of a casing secured to the inside of the tank having one closed end, an opening through the closed end, a closure for the opening having two radial arms and a central disk of yielding material, the arms guided in ways in connection with the casing, ears extending from the closed end, a lever having a pivotal connection with the ears, a float connected to the free end of the lever, and a link connecting the lever with the closure.

CHESTER FARMER.

Witnesses:

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