

J.F. de Navarro

Faucet.

Nº 92,287.

Patented July 6, 1869.

Fig. 2.

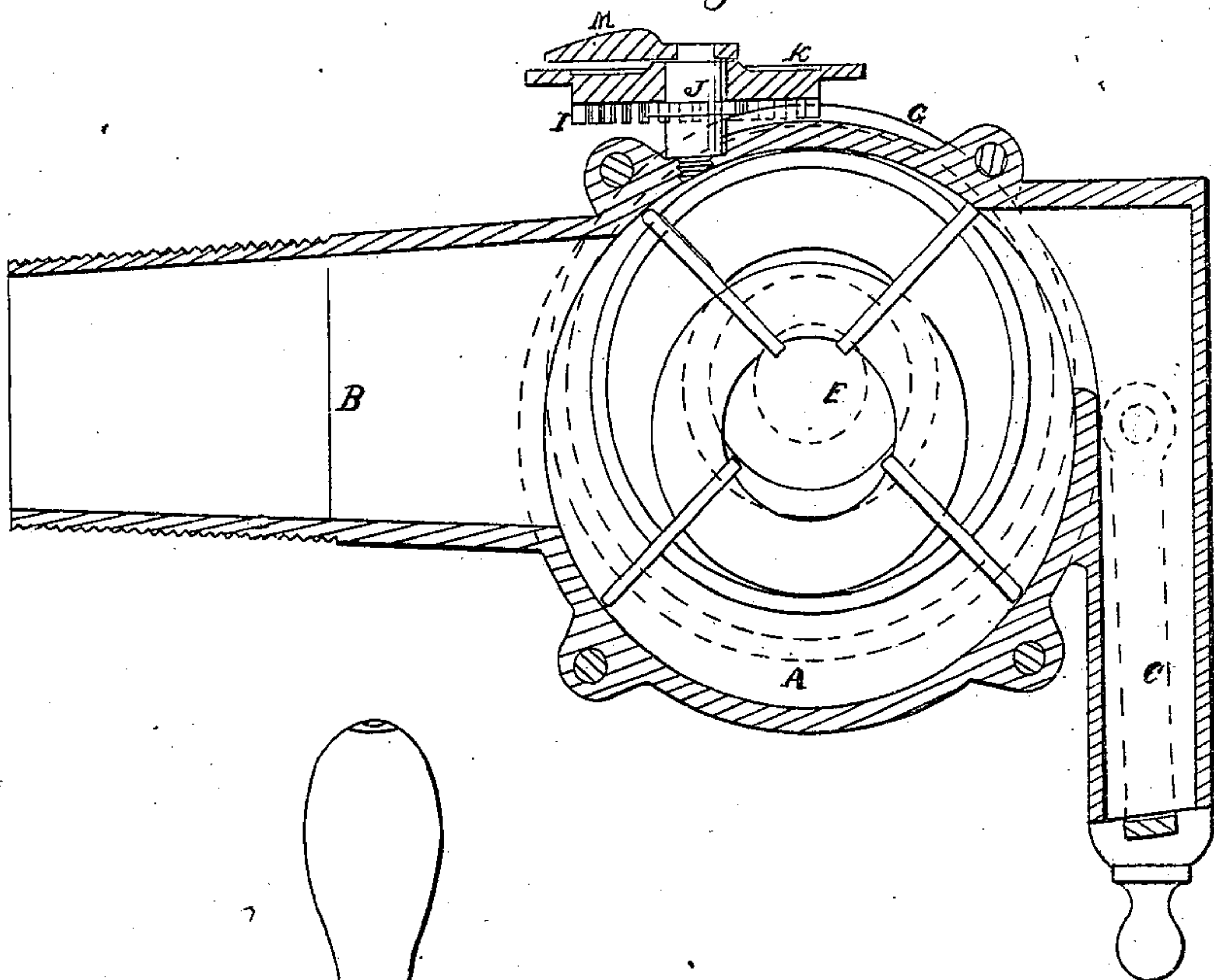


Fig. 1.

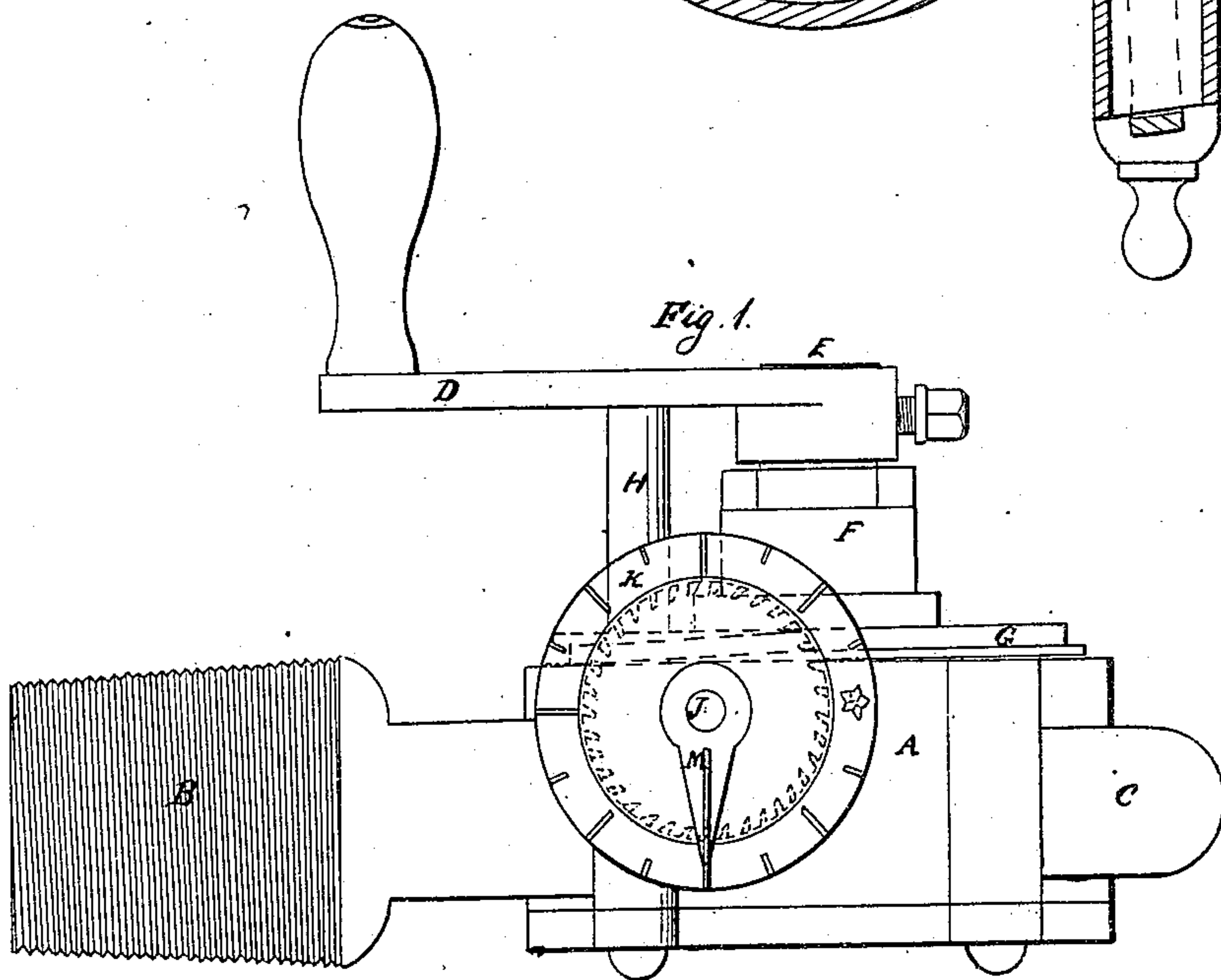
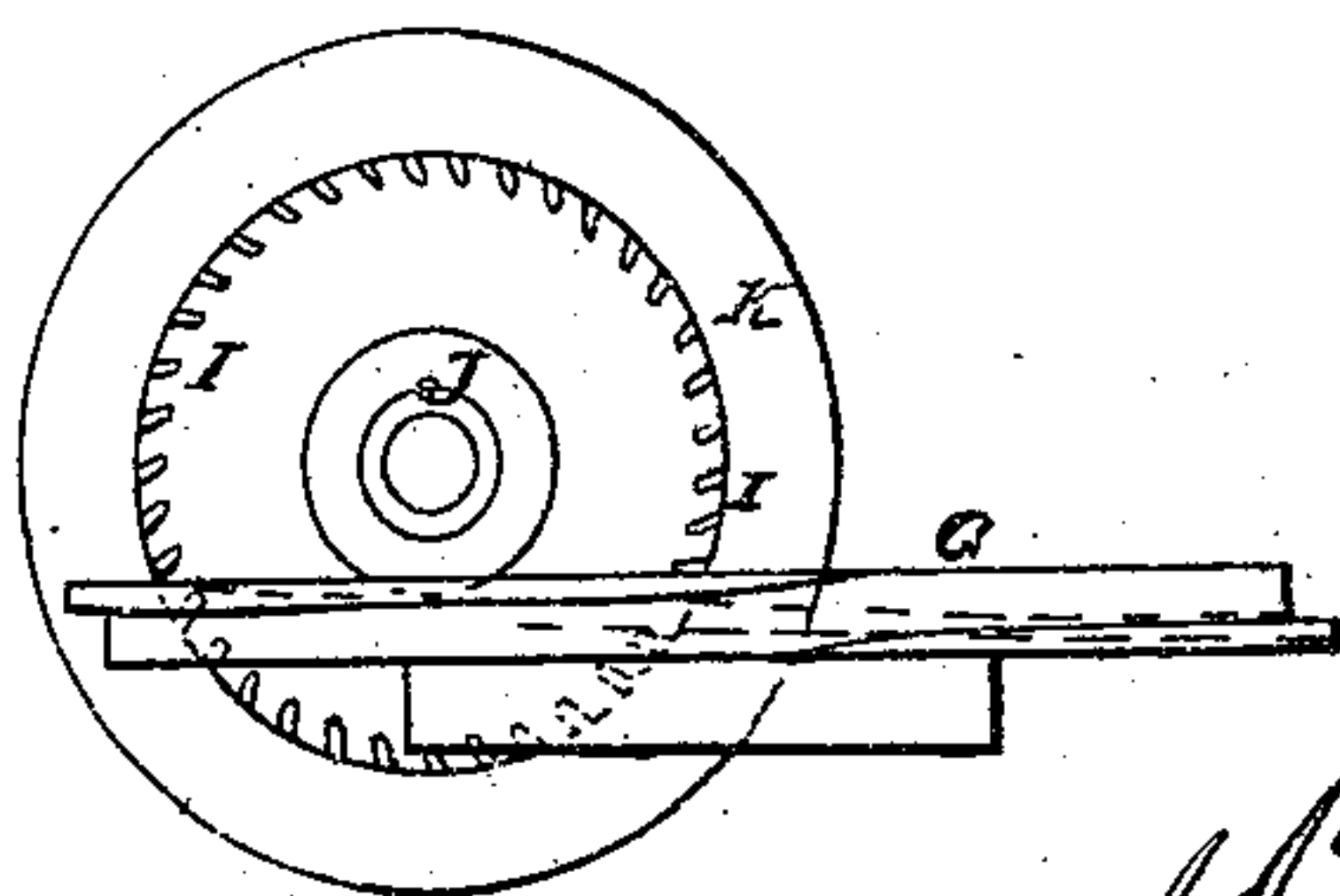


Fig. 3.



Witnesses.

J. Coombs
Fred. Haynes

Inventor

J.F. de Navarro

United States Patent Office.

J. F. DE NAVARRO, OF NEW YORK, N. Y., ASSIGNOR TO EMERY
ROTARY MACHINE COMPANY, OF SAME PLACE.

Letters Patent No. 92,287, dated July 6, 1869.

IMPROVEMENT IN MEASURING-FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, J. F. DE NAVARRO, of the city, county, and State of New York, have invented a new and useful Improvement in Measuring-Faucets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a plan of a measuring-faucet, constructed in accordance with my improvement;

Figure 2, a longitudinal vertical section of the same; and

Figure 3, an inverted plan of the gear by which motion is communicated to the indicator.

Similar letters of reference indicate corresponding parts in the several figures.

This improvement relates to faucets having an indicator-attachment for measuring, in fixed or variable quantities, the liquor as it is drawn from the cask or vessel; and

The invention consists in a novel and simple combination of mechanism with the revolving draught and expelling-devices of the faucet, or means by which the same are operated, for measuring off the liquor and indicating the quantity drawn.

Referring to the accompanying drawing—

A represents the measuring-cylinder or chamber of the faucet, fitted with suitable revolving devices for drawing off the liquor through the spigot B, and discharging it through the nozzle C.

Said draught-devices are rotated by means of a crank, D, on a main shaft, E, which passes through a stuffing-box or gland, F, on the one side or face of the measuring-chamber.

Fitted to rotate freely around this stuffing-box or gland, as a bearing or centre, is an endless screw, G, formed of a disk, having a screw-thread cut around its edge.

This endless screw is connected with the crank D, through a pin or arm, H, by which means said screw G is rotated with the shaft E, though independent of the latter, by its arrangement around the stuffing-box

or projection from the face of the measuring-chamber, which enables me to use a large diameter of screw, without exposing it to objectionable protrusion, as the same is made to lie close up against the face of the measuring-cylinder or chamber.

This screw G is made to gear with a crown-wheel, I, having its teeth arranged worm-fashion, and turning on an arbor, J, screwed into the top of the measuring-chamber.

Said crown or worm-wheel carries a dial, K, graduated to indicate any desired quantities, and which operates in connection with an index, M, that is preferably so fitted on to the arbor J, as that it may be set or turned from one fixed position to another over the revolving dial, for the purpose of facilitating the measuring off of the liquor, by reversing or setting the index to any desired starting-point or graduation of quantity on the dial; but, when set, said index remains stationary, and the dial only is made to revolve by the operation of the faucet, till the graduation on said dial, indicating the quantity to be measured, comes in line with or under the index.

The arrangement of the endless screw G in proximity to the face of the measuring-cylinder A, and so that it rotates with the main shaft E around an axis common to both, and is in direct gear, as it were, through the worm-wheel I, with the dial, dispenses with much objectionable mechanism, and forms a most simple and efficient combination for the purpose required.

What is here claimed, and desired to be secured by Letters Patent, is—

The arrangement, in relation to a measuring-faucet, and its revolving operating-shaft E, of the screw G, the worm-wheel I, and revolving dial K, with its index M, substantially as shown and described.

J. F. DE NAVARRO.

Witnesses:

W. M. KNIGHT,
HENRY PALMER.