No. 686,760. Patented Nov. 19, 1901.

W. M. POWERS.

FAUCET OPERATING DEVICE.

(Application filed May 4, 1901.)

(No Model.)

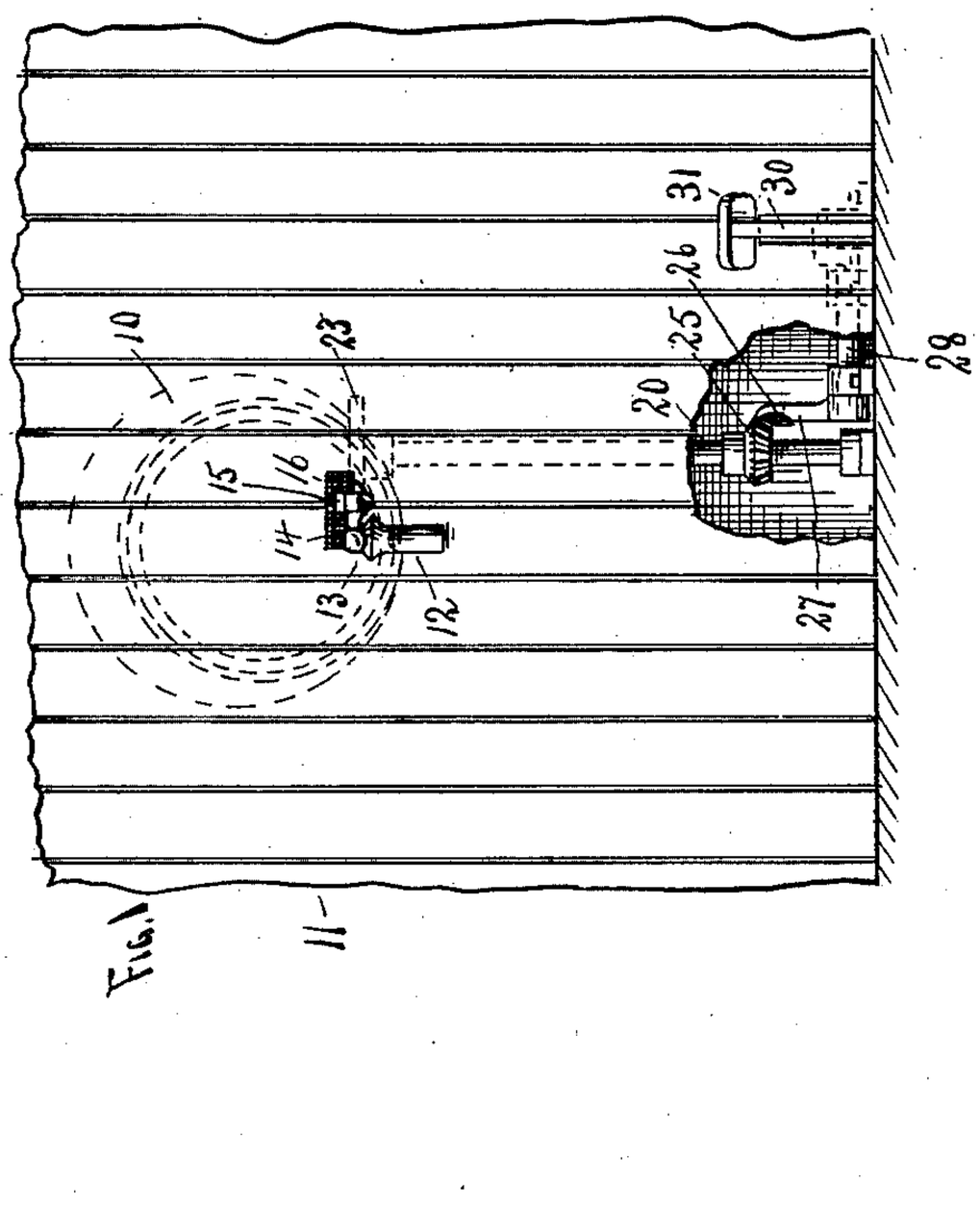

FIG. 1.

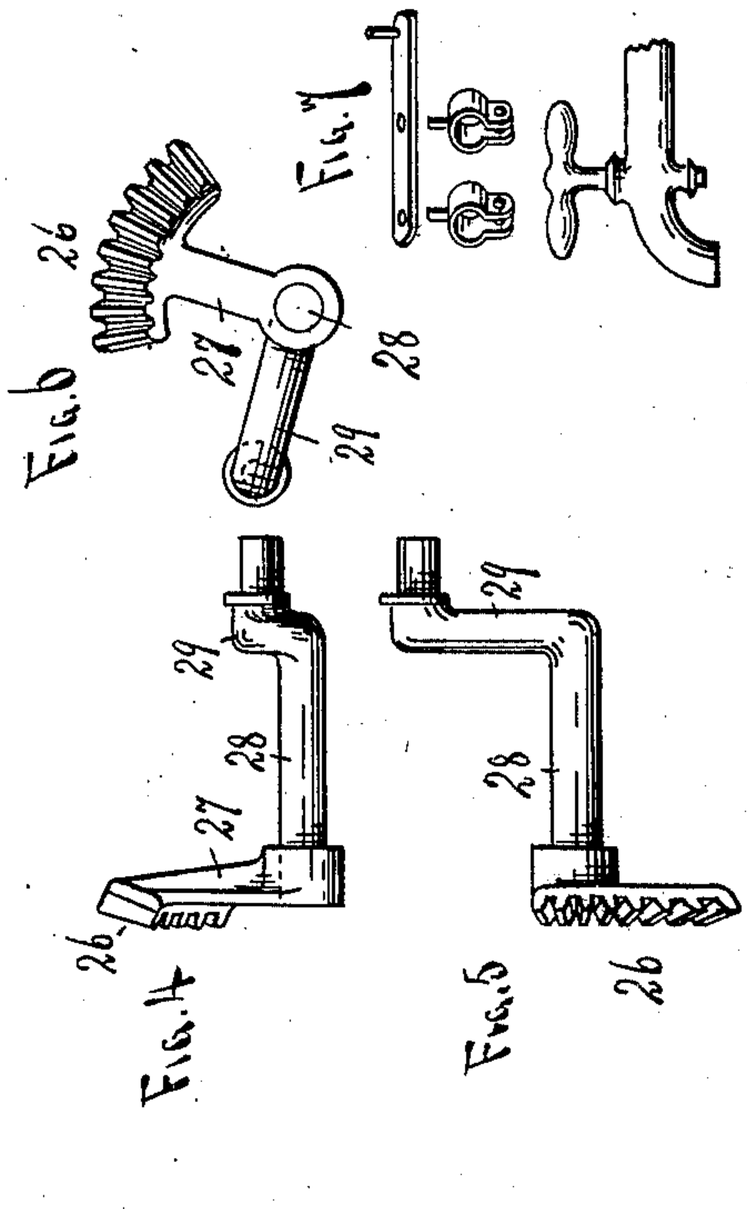

FIG. 6.

FIG. 4.

FIG. 5.

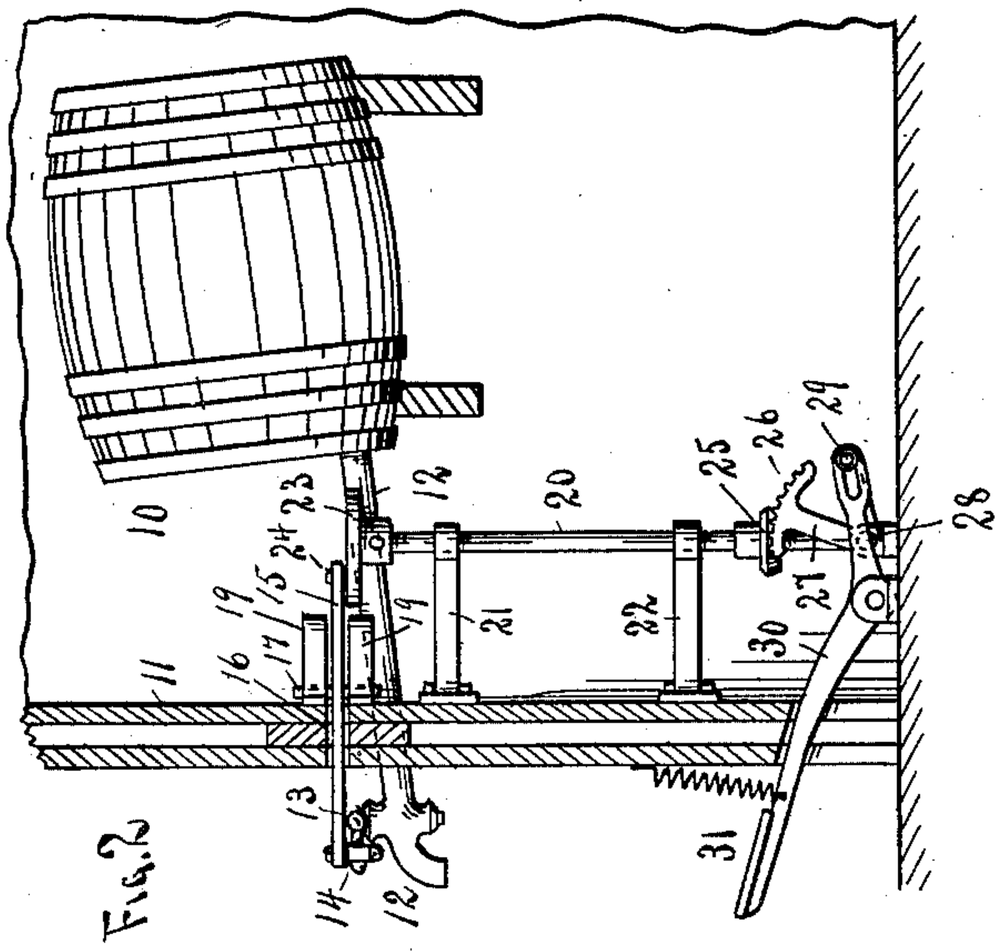

FIG. 2.

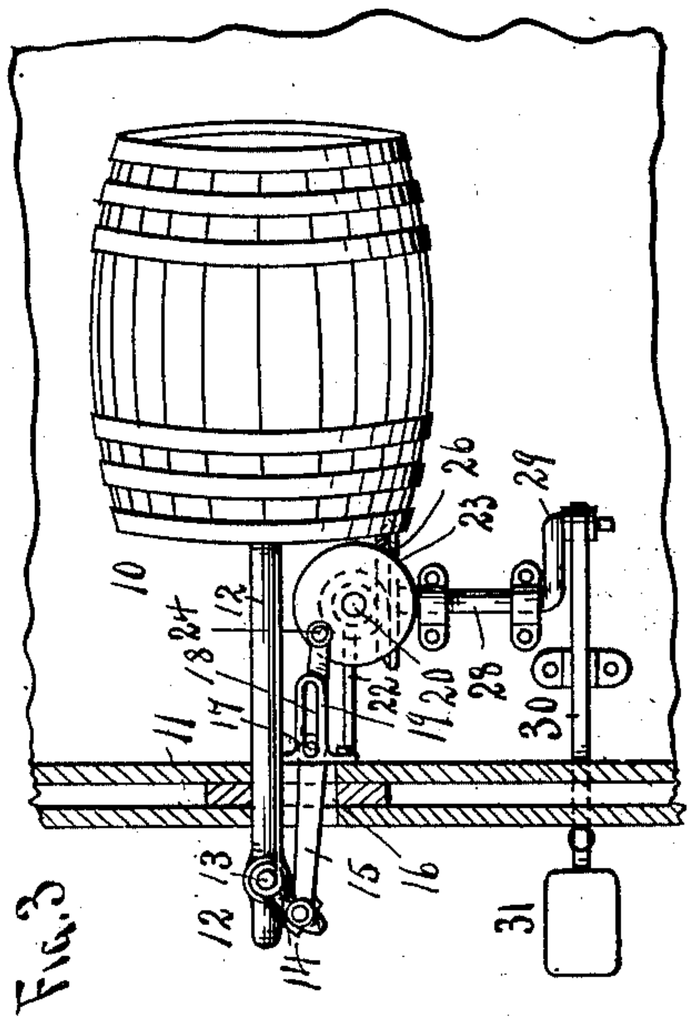

FIG. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM M. POWERS, OF CLERMONT, IOWA.

FAUCET-OPERATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 686,760, dated November 19, 1901.

Application filed May 4, 1901. Serial No. 58,760. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. POWERS, a citizen of the United States, residing at Clermont, in the county of Fayette and State of Iowa, have invented a new and useful Faucet-Operating Device, of which the following is a specification.

This invention relates to faucet-operating devices; and it has for its object to provide a device of this nature wherein by depression of a pedal a faucet will be operated to draw a liquid from a vessel with which it is connected, further objects and advantages of the invention having reference to details of construction which will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation showing a partition behind which is located a barrel, (shown in dotted lines,) and from which barrel a liquid is to be drawn by operation of the faucet, a portion of the partition being broken away to show a part of the operating mechanism. Fig. 2 is a side elevation of the barrel, the faucet, and the operating mechanism, the partition being shown in section. Fig. 3 is a top plan view of the apparatus shown in Fig. 2. Fig. 4 is a side elevation of the rocking segmental gear and its shaft. Fig. 5 is a top plan view of the gear with its shaft. Fig. 6 is a face view of the gear and including the shaft. Fig. 7 is an elevation showing the faucet with the crank and its attaching means disassembled.

Referring now to the drawings, there is shown a barrel 10, which is disposed at one side of a partition 11 or other screen, and from which leads the faucet 12, the turning plug 13 and spout of which are at the opposite side of the partition, and this plug is provided with a crank 14, with which is connected a connecting-rod 15, extending through an opening 16 in the partition for sliding movement therethrough, said rod having a vertical pin 17 engaged therewith, and the ends of which are slidable in slots 18 in upper and lower brackets 19 on the back of the partition. When the connecting-rod is reciprocated, the plug of the faucet is oscillated to open and close the faucet.

To reciprocate the connecting-rod, a shaft 20 is mounted in vertically-alining bearings in brackets 21 and 22, secured to the partition, and at the upper end of which shaft is a crank-disk 23, having a crank-pin 24, with which the end of the connecting-rod is pivotally connected, so that when the shaft is oscillated the disk will be correspondingly moved to operate the connecting-rod.

On the lower portion of the shaft 20 is fixed a bevel-gear 25, and meshing therewith is a segmental bevel-gear 26 at the end of an arm 27 of a bell-crank lever 28, the arm 29 of said lever having one end of a lever 30 connected thereto, and which lever is projected through the partition and is provided with a pedal 31, which when depressed rocks the bell-crank lever to move the segmental gear, from which in turn is moved the shaft 20 to actuate the connecting-rod and open the faucet. When the pedal is released, the parts return to their normal positions and the faucet is closed. With this construction it will be seen that the mechanism and the barrel are concealed, the spout of the faucet, the turning plug with the end of the connecting-rod, and the pedal being all that is exposed.

In practice modifications of the specific construction shown may be made and any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

1. The combination with a faucet of an oscillatory shaft operably connected with the faucet for opening and closing it, a pedal connected with the shaft for oscillating it, and means connected with the pedal for holding the faucet yieldably in closed position.

2. The combination with a faucet of an oscillatory shaft operably connected with the faucet for opening and closing it, a bevel-gear on the shaft, a bell-crank lever having a gear engaged with the gear on the shaft and a pedal connected with the bell-crank lever for actuating it.

3. The combination with a faucet having a turning plug, of an oscillatory shaft having a crank-disk provided with a pin, a connecting-rod connecting the pin and the turning plug for operating the latter, a gear upon the shaft, a bell-crank lever having a gear mesh-

ing with the first gear, and a pedal operatively connected with the bell-crank lever.

4. The combination with a faucet having a turning plug provided with a crank, of a connecting-rod connected to the crank and having projecting pins, brackets having guide-slots in which the pins are received, an oscillatory shaft having a crank-disk provided with a crank-pin to which the connecting-rod is connected, a bevel-gear on the shaft, a bell-crank lever having a bevel-gear meshing with the first-named gear, and a pedal operatively connected with the bell-crank lever.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM M. POWERS.

Witnesses:

JOHN POWERS,

JAMES H. HORAN.