

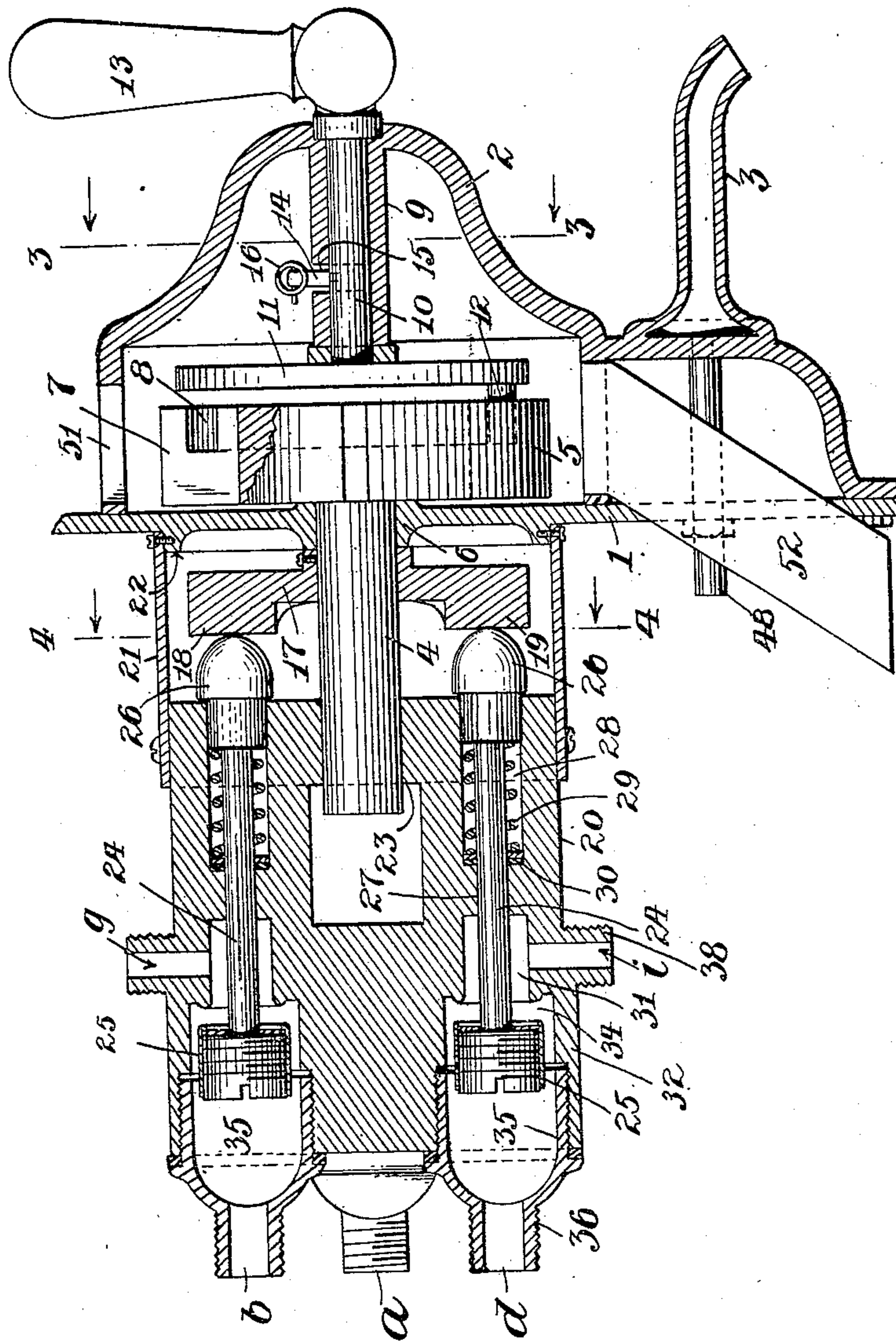
No. 868,398.

PATENTED OCT. 15, 1907.

H. BLUM.  
COIN CONTROLLED MECHANISM.  
APPLICATION FILED JULY 7, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

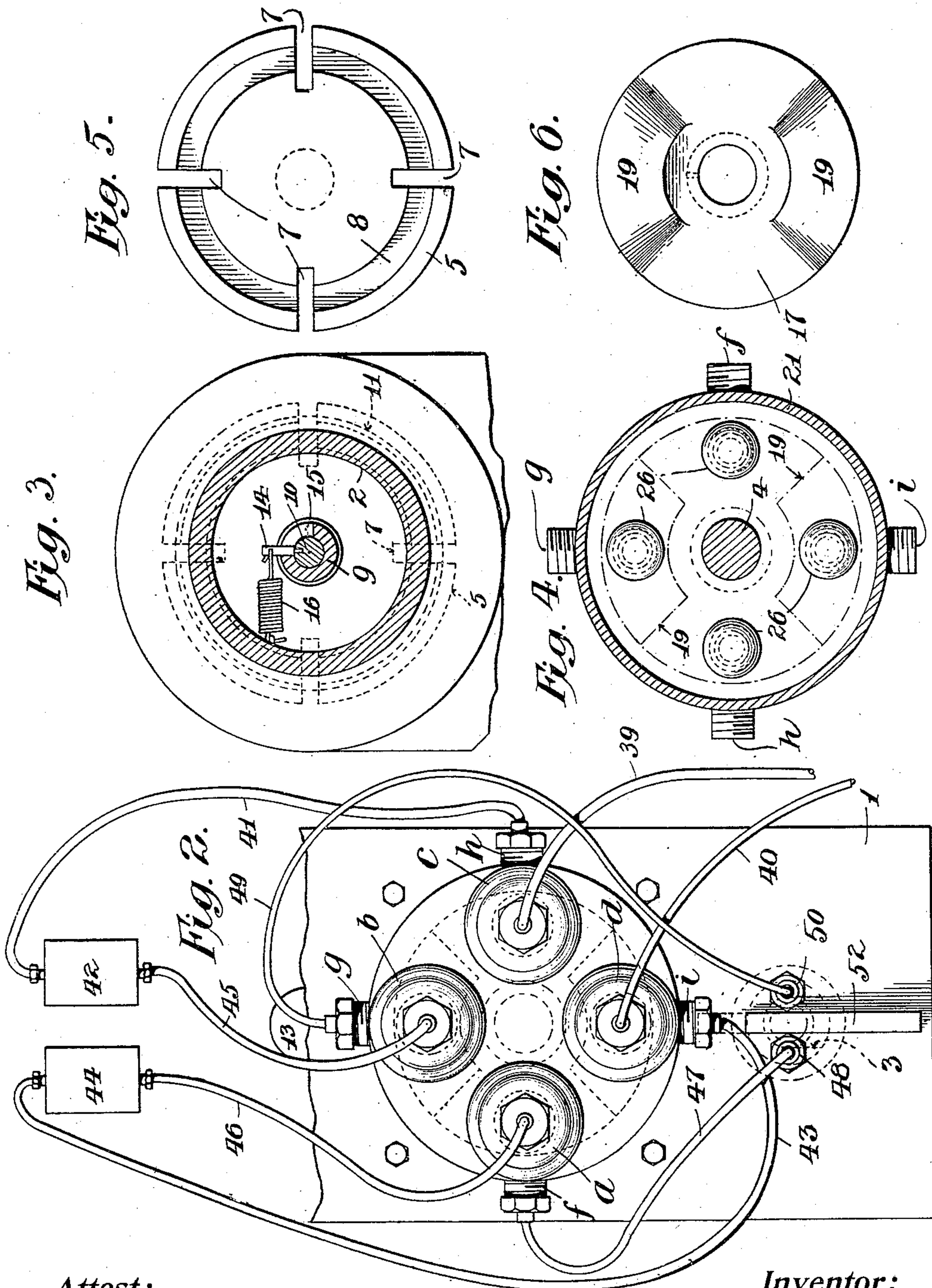


Attest:  
*W. McJannet*  
*Edgeworth*

Inventor:  
*Henry Blum,*  
by *J. W. Barker*  
Atty

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2 SHEETS—SHEET 2.



Attest:  
*W. McFinn*  
*Edgeworth*

Inventor:  
*Henry Blum.*  
by *F. S. Barker*  
Att'y.



# UNITED STATES PATENT OFFICE.

HENRY BLUM, OF NEW YORK, N. Y.

## COIN-CONTROLLED MECHANISM.

No. 868,398.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed July 7, 1906. Serial No. 325 108.

To all whom it may concern:

Be it known that I, HENRY BLUM, a citizen of the United States of America, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Coin-Controlled Mechanism of which the following is a specification.

This invention relates to coin controlled mechanism which may be applied to various purposes, being shown in this application for delivering specific quotas of fluid, such as soda water or other beverages, and my improvement comprises means whereby a coin inserted in the apparatus forms an operative connection for such mechanism.

In the drawing accompanying this application, Figure 1 is a sectional elevation of my coin controlled mechanism, showing it as used in conjunction with the spring pressed plungers of certain valve mechanism, which latter is not described in detail herein, being the subject of a divisional application. Fig. 2 is a rear elevation thereof. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 is a section on the line 4—4 of Fig. 1. Fig. 5 is a detail front view of the coin holding wheel, and Fig. 6 is a detail face view of the cam plate for actuating the valve plungers.

The valve mechanism with which this improvement is shown as applied is intended to be supported in a horizontal position as by vertical wall 1, the coin-controlled mechanism, the subject of this application, being inclosed by a hollow cap or cover as 2, from which a fluid delivery spout 3 is shown as projecting forwardly.

A shaft 4, carrying a solid wheel 5, is journaled in a bearing 6 through wall 1. Said wheel 5 is provided with four peripheral slots 7, to receive coins, and arranged radially at equidistant points, the forward surface of said wheel containing a concentric groove 8, of sufficient depth to intersect said slots 7.

The cap 2 supports a bearing 9, in which is placed a shaft 10 in axial alinement with shaft 4, the shaft 10 carrying a disk 11, parallel with, and in proximity to wheel 5. A stud or roller 12, upon the face of disk 11, is entered within groove 8, and adapted to travel within said groove in the turning movement of said disk.

Shaft 10 is provided with an operating handle 13, but is limited to a quarter turn by a radial stud 14, projecting from shaft 10, and lying in a segmental slot 15 formed in the bearing 9. A spring, as 16, serves to return the shaft after each forward quarter turn.

The shaft 4 may carry or operate a suitable body adapted to serve some useful function. It is shown in the drawing as carrying a disk 17, which has upon its

outer face the oppositely disposed cam surfaces 18, 19, which, in the rotation of said disk bear against an oppositely disposed pair of valve heads 26, 26, to actuate the valves thereof.

In the operation of my improved coin controlled mechanism, a coin is dropped through a slot as 51 in the cap 2 and enters a slot in wheel 5, said wheel always having a slot 7 in alinement with the slot 51 when the mechanism is at rest. The handle 13 is then given a quarter turn, with the result that stud 12, traveling in concentric groove 8, strikes against the coin contained in a slot 7, and through said coin moves wheel 5 correspondingly. The disk 17 or other body to be actuated is thereby turned and rendered capable of performing its desired function, which in the illustration shown is that of bringing its cam surfaces 18, 19 against the valve heads 26, 26, thereby, through rods 24, moving a pair of valves 33 away from their respective seats. In the operation aforesaid the wheel 5, in making the quarter turn aforesaid, has presented a succeeding coin slot 7 beneath the slot 51, while the handle 13, having been released, has been returned by its spring 16 to its original position. Thus another coin may be dropped through slot 51 and the operation repeated. As the wheel 5 turns over the coins drop out from slots 7 and pass through chute 52 into a suitable receptacle.

I claim:

1. In coin controlled mechanism, a shaft, a solid wheel fast thereon, said wheel having a radial transverse coin receiving slot extending part way in from its periphery, and a concentric groove in its side whose path includes said coin slot; together with a rock-member journaled in axial alinement with said shaft, a fixed stud carried by said rock-member in manner to travel in said concentric groove, and means for actuating said rock-member whereby said stud meets a coin halted in said receiving slot, and by continued movement with said coin turns said wheel and shaft.

2. In coin controlled mechanism, a shaft, a solid wheel fast thereon, said wheel having four radial transverse equidistant coin receiving slots extending part way in from its periphery, and a concentric groove in its side whose path includes said coin slots; together with a rock-member journaled in axial alinement with said shaft, a fixed stud carried by said rock-member in manner to travel in said concentric groove, means for actuating said rock-member, whereby said stud meets a coin halted in a receiving slot to communicate movement to the wheel and shaft, means limiting such movement to a quarter turn, and tensional means to retract said rock-member.

Signed at New York, this 23d day of June, 1906.

HENRY BLUM.

Witnesses:

FREDERICK C. BONNY,  
F. W. BARKER.