

*Claim.*—1st. The combination of a pair of cylinders having suitable inlets and exhausts at one end, a valve chamber common to said cylinders and communicating with the cylinder inlets, and suitable valves for controlling the inlet of water to the cylinders and the exhaust therefrom, the former being located in the valve chamber and being constructed, arranged, and operated to admit water to the cylinders alternately without closing the inlet to the chamber and without interrupting the flow, substantially as described. 2nd. The combination of a pair of cylinders having suitable inlets and exhausts at one end, a valve chamber common to said cylinders, said chamber having a constantly open inlet, a two-way valve in the chamber for diverting the flow of water through said chamber into the cylinders alternately, and mechanism for operating said two way valve so that the openings to the cylinders will be closed alternately, but not together, and without closing the inlet to the chamber, substantially as described. 3rd. The combination of a pair of cylinders having suitable inlets and exhausts at one end, a circular valve chamber common to said cylinders and communicating with the cylinder inlets at opposite sides, a constantly open supply inlet for the valve chamber located at a point intermediate the cylinder inlets, a balanced, oscillating, two way valve working in said chamber, and mechanism for operating the valve so that the openings to the cylinders will be closed alternately, but not together, and without closing the inlet to the chamber, substantially as described. 4th. The combination of a pair of cylinders having independent inlets and exhausts at one end, a valve chamber common to the cylinders, said chamber having a constantly open inlet valve, and separate openings leading to the cylinders, a two-way valve in said chamber, said valve being constructed and arranged to move in its chamber so as to close the openings communicating with either cylinders alternately, but not both of said openings together, without at any time closing the chamber inlet, and mechanism for operating said two-way and exhaust valve so that the exhaust of each cylinder is closed as the two-way valve is operated to turn the water into the cylinder, substantially as described. 5th. In a motor having a revolving shaft, the combination of a cylinder provided with a suitable inlet and exhaust at one end, valves for controlling the inlet and exhaust to and from said cylinder, and mechanism for operating the valves, said valve-operating mechanism comprising an oscillating lever having oppositely disposed cam recesses at its free end, in which recesses works a crank on a revolving shaft of the motor, substantially as described. 6th. In a motor having a revolving shaft, the combination of a pair of cylinders having suitable inlets at one end, a valve chamber common to said cylinders, a two-way valve in said chamber controlling the delivery of water therefrom alternately to said cylinders, exhausts leading from the cylinders, valves controlling the exhausts, and mechanism for operating all of said valves, said valve-operating mechanism comprising an oscillating lever having reversely curved recesses at its free end in which recesses works a crank on the revolving shaft, substantially as described. 7th. In a motor having a revolving shaft, the combination of a pair of cylinders, a valve chamber common to said cylinders, a two-way valve in the chamber controlling the delivery of water therefrom alternately to said cylinders, exhausts leading from the cylinders, valves controlling said exhausts, a sliding bar connecting all of said valves for simultaneous operation, an oscillating lever connected with said bar, said lever having at its free end reversely curved cam recesses in which works a crank on the revolving shaft, substantially as described. 8th. In a motor, the combination of the main shaft having a crank, an oscillating lever, said lever having an enlargement at its free end provided with two oval communicating recesses, in one of which recesses the crank works one-half of the stroke, and in the other of which it works on the other half of the stroke, each of said recesses having a cam surface near its junction with the other recess, substantially as described. 9th. In a motor having a revolving shaft, the combination of an oscillating lever, a detachable and adjustable enlargement at the outer end of said lever, two oval communicating recesses in said enlargement in which a crank on the shaft is adapted to work, an adjustable cam surface on each of said recesses near its junction with the other, and means for adjusting the position of the enlargement on the end of the lever, substantially as described.