

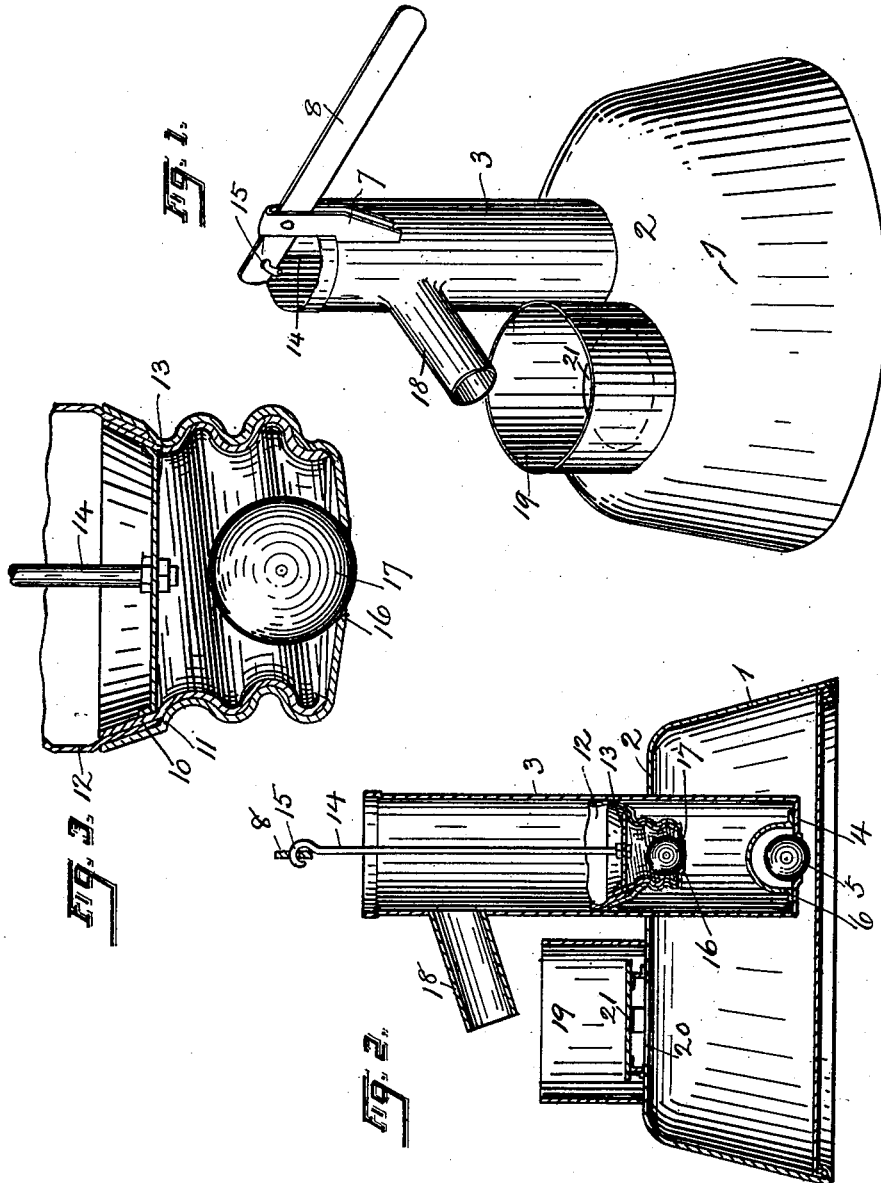
No. 676,370.

Patented June 11, 1901.

J. A. ROBERTSON.
TOY PUMP.

(Application filed Mar. 5, 1900. Renewed Apr. 24, 1901.)

(No Model.)



WITNESSES:

W. R. Daniels

E. W. Hutchinson

INVENTOR.

BY *J. A. Robertson*

James W. Wright,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JAMES A. ROBERTSON, OF SAN JOSE, CALIFORNIA, ASSIGNOR OF ONE-THIRD
TO W. A. ROGERS, OF SAN FRANCISCO, CALIFORNIA.

TOY PUMP.

SPECIFICATION forming part of Letters Patent No. 676,370, dated June 11, 1901.

Application filed March 5, 1900. Renewed April 24, 1901. Serial No. 57,323. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. ROBERTSON, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Toy Pumps, of which the following is a specification.

My invention relates to an improved toy pump, the object of my invention being to provide a simple and inexpensive device of this character which shall afford amusement to young children and which shall be so arranged and constructed as to avoid as much as possible the spilling of the water used therefor.

In the accompanying drawings, Figure 1 is a perspective view of the device. Fig. 2 is a longitudinal vertical section of the same, and Fig. 3 is an enlarged vertical section of the dasher.

Referring to the drawings, 1 represents a reservoir or tank of frusto-conical form, having a base broader than its top, and through said top 2 rises the cylindrical casing 3 of a pump, said casing extending to within a short distance of the bottom of the tank, so that water may be pumped up even though there be but a small quantity in the tank. The casing 3 is rigidly connected to the tank, preferably by soldering. At the lower end of said casing is a valve-seat 4, in which sits a ball-valve 5, retained in place by a strap 6. To the top of said casing is attached an arm 7, to which is pivoted the pump-handle 8. The plunger 9 is formed of inner and outer screw-threaded sleeves 10 11, screwed together, and so clamping a ring 12 of flexible packing material. Across the inner sleeve is secured a stay 13, to which is secured a wire rod 14, the upper end of which is hooked into the inner end of the pump-handle, as shown at 15. The outer sleeve 11 carries a valve-seat 16, in which sits a ball-valve 17, the stay 13 retaining said valve in place. There is thus provided a very cheap and simple yet effective valve.

The spout 18 of the pump discharges into a tub or receptacle 19, formed on the top of the tank, and flows back into said tank through a hole 20 in the center of said receptacle, said hole being concealed by a round plate 21, raised above said hole and the water flowing beneath the edge of said plate. The rod 14 extends downward such a distance that the bottom of the plunger will be normally below the top of the tank, and thus as the tank and receptacle are intended to be filled with water a sufficient height to cover the plate 21 the plunger will then be under water and it will not be necessary to pour water down the casing to enable the pump to be operated.

I claim—

1. A toy pump comprising a pump and a tub-like receptacle on the top of the tank, the spout of the pump discharging into the open top of the tub or receptacle, the tub having a hole in its bottom discharging into the tank and a flat plate or false bottom raised above the bottom of the tub and entirely concealing said hole, substantially as described.

2. A toy pump comprising a tank frusto-conical in shape, having a broad base, a pump on the narrow top of the tank and a tub-like receptacle on the top of the tank into which the spout of the pump discharges, said receptacle having a hole in its bottom and a plate above the hole entirely concealing the same, and supported at a short distance above the bottom of the tub, the water flowing into the hole beneath the edge of the plate, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES A. ROBERTSON.

Witnesses:

P. H. DOBLE,
MILTON CAMPBELL.