

(No Model.)

E. P. ROBERTS.
TOY.

No. 449,748.

Patented Apr. 7, 1891.

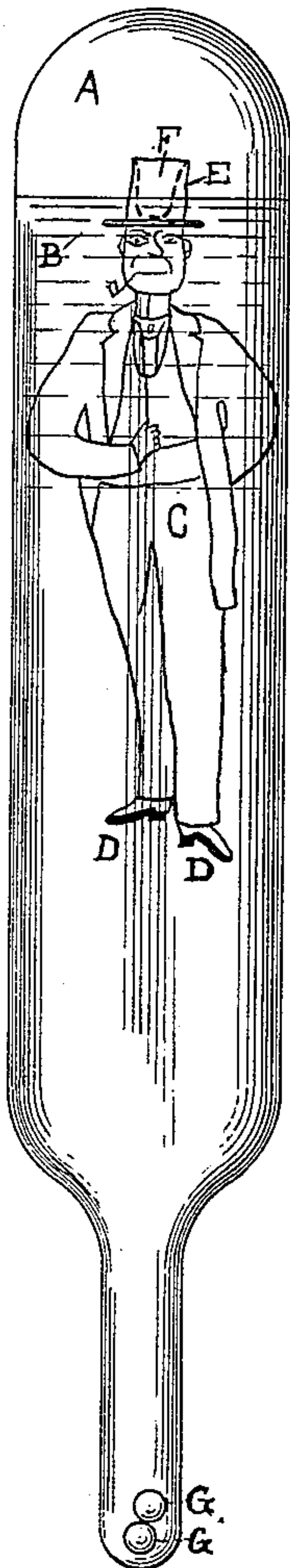


Fig. 1.



Fig. 2.

WITNESSES.

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TOY.

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To all whom it may concern:

Be it known that I, EDWARD P. ROBERTS, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Toys, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists of a vessel containing a fluid, a body of less specific gravity than the fluid, and one or more bodies of greater specific gravity. The lighter body will rise to the top of the fluid and the heavier bodies will sink to the bottom. The lighter body is provided with means whereby the heavier body may be made to lodge thereon, thus causing said lighter body to sink; and the game or trick consists of so shaking or turning the toy that the said heavier bodies will lodge upon said lighter body.

The best embodiment of my invention at present known to me is that shown in the drawings, in which Figure 1 is an elevation, and Fig. 2 a vertical central section, of my invention.

Referring to the parts by letters, A represents a glass tube; B, a liquid contained therein, which may or may not completely fill said tube; C, a body made of wood or other suitable material lighter than the liquid, which will rise to the top of the liquid. The body C, as shown, is made in the figure of a man with weighted shoes D D for the purpose of keeping it upright, and with a hat E containing a cavity F. The weights G G are preferably shot, but may be made of any suitable material.

Normally the arrangement is that shown in Fig. 1; but when the toy is so shaken that one or more of the shot lodge in the recess in the hat on the figure the figure sinks and assumes the position shown in Fig. 2. Of course any number of floating bodies and weights may be used, but I prefer to use one floating body and two or three weights.

Although I have shown a solid floating on a liquid, I do not wish to be limited to that particular construction, as obviously the toy might be made and would be operative with a balloon floating on a heavier gas, or some similar construction.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a toy, in combination, a vessel containing a fluid, a body the specific gravity of which is less than that of the fluid, and one or more bodies the specific gravity of which is greater than that of the fluid, and means which permit said heavier bodies to lodge upon said lighter body, substantially as and for the purpose specified.

2. In a toy, in combination, a vessel containing a fluid, a body the specific gravity of which is less than that of the fluid, and one or more bodies the specific gravity of which is greater than that of the fluid, said lighter body being provided with a recess into which said heavier bodies are adapted to fall, substantially as and for the purpose specified.

3. In a toy, in combination, a vessel containing a liquid, a body lighter than said liquid and adapted to rise to the top thereof and provided with a recess, and one or more bodies heavier than said liquid, which are normally at the bottom of the vessel, but which may be made to lodge in the recess of said lighter body, substantially as and for the purpose specified.

4. In a toy, in combination, a tube A, containing a liquid B, a body C, lighter than said liquid, said body being weighted at its lower extremity with weights D D and having a receptacle E at its upper extremity, and one or more weights G G, adapted to lodge in the receptacle in the body C, substantially as and for the purpose specified.

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Witnesses:

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