No. 687,751. Patented Feb. 12, 1901.

T. N. WALLER.

TOY.

(Application filed Nov. 16, 1900.)

(No Model.) 2 Sheets—Sheet 1.

Fig: 1.

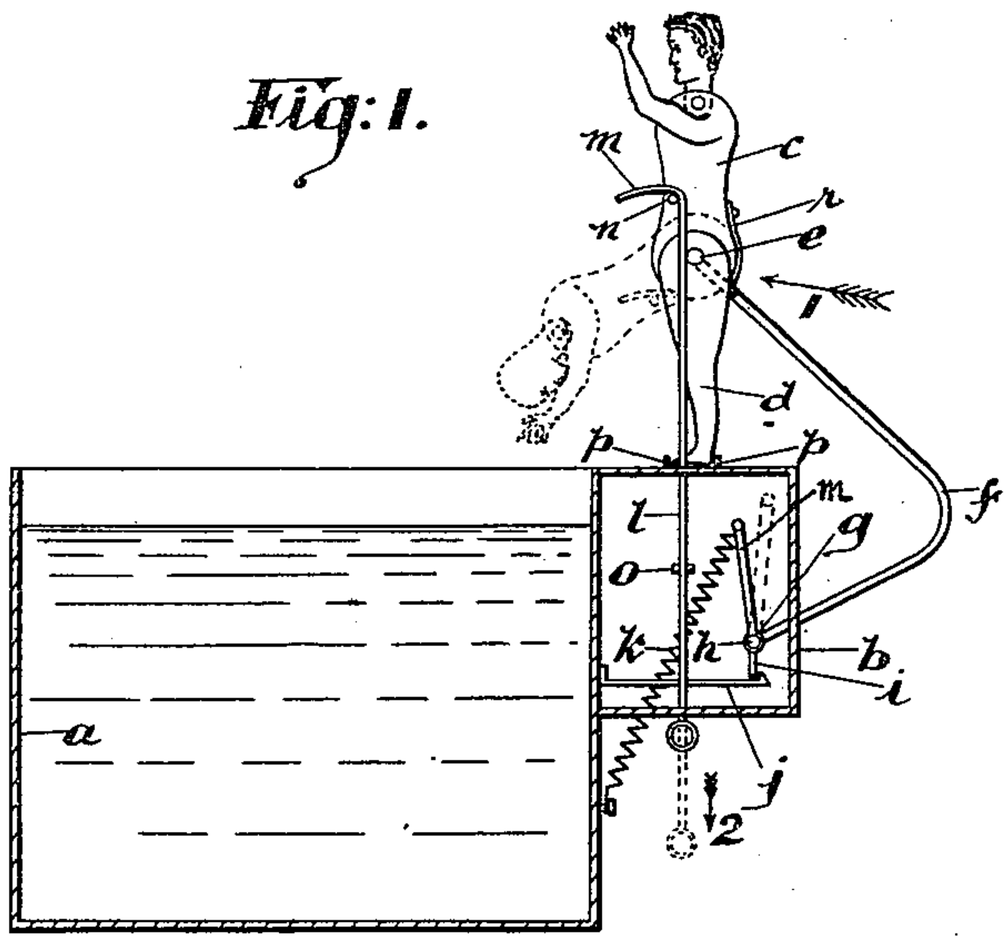
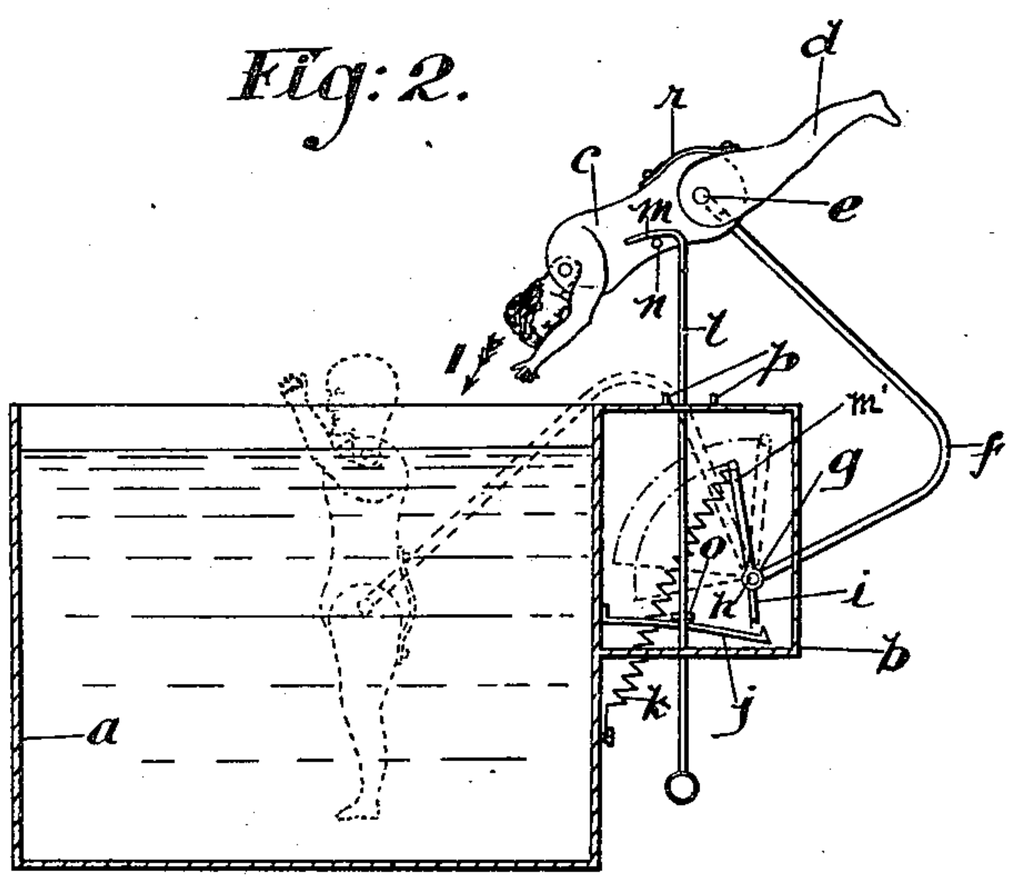


Fig: 2.



Witnesses:-

Benjamin Clark

Charles H. Briggs.

Inventor:-

Thomas. Naunton. Waller.

per:- E. Eaton.

His Attorney.

No. 667,751. Patented Feb. 12, 1901.

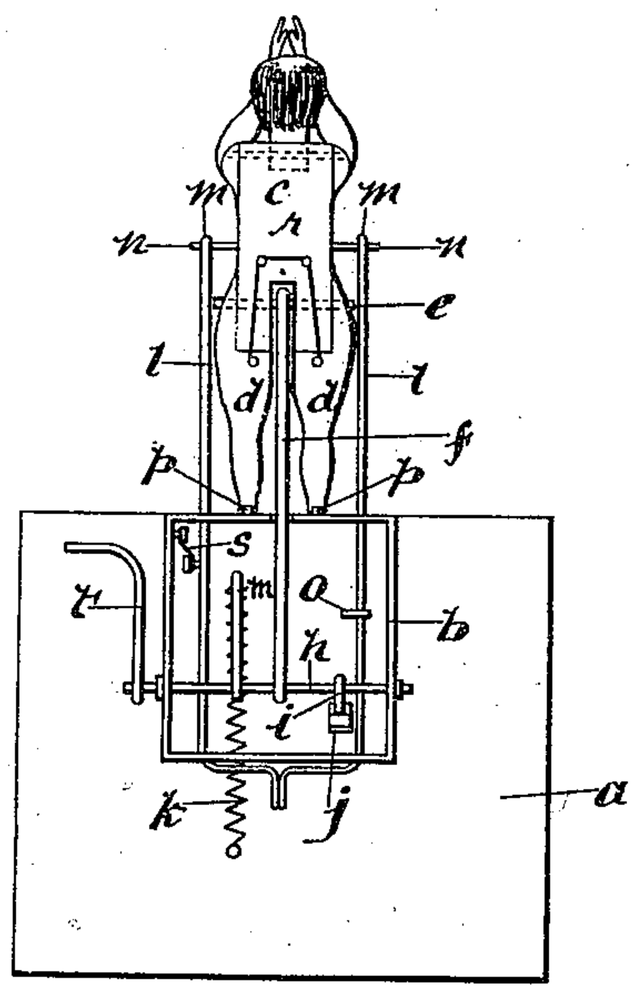
T. N. WALLER.

TOY.

(Application filed Nov. 16, 1900.)

(No Model.) 2 Sheets—Sheet 2.

Fig: 3.



Witnesses:-

Benjamin Clark

Charles. H. Briggs.

Inventor:-

Thomas. Naunton. Waller.

per:- E. Eaton.

His Attorney.

UNITED STATES PATENT OFFICE.

THOMAS NAUNTON WALLER, OF NEWCASTLE-UPON-TYNE, ENGLAND.

TOY.

SPECIFICATION forming part of Letters Patent No. 667,751, dated February 12, 1901.

Application filed November 16, 1900. Serial No. 36,749. (No model.)

To all whom it may concern:

Be it known that I, THOMAS NAUNTON WALLER, a subject of the Queen of Great Britain, and a resident of Newcastle-upon-Tyne, in the county of Northumberland, England, have invented certain new and useful Improvements in Toys, (for which I have applied for a patent in Great Britain, No. 3,354, dated February 20, 1900,) of which the following is a full, clear, and exact specification.

This invention relates to a new or improved toy, the object being to give a representation of a man or other figure diving.

In carrying out my invention I provide a figure having suitable hinged limbs. This figure is pivotally supported upon a lever in connection with a catch-piece. The limbs of the figure are caused to remain when free in a direct line with the body by means of elastic bands. I provide a lever or rod which upon being operated causes the body, head, or arms of the figure to bend forward, as in the act of diving, and when a certain movement has taken place this rod releases the bent rod carrying the figure, which is caused to move through the medium of a spring. This movement releases the feet of the figure from the catch-piece, and the elastic or springs cause the limbs to return toward the position in a line with the body. The figure then falls forward into the water, which may be contained in a suitable tank. The figure is so weighted as to take a position in the water vertically, having head and arms above the surface. The figure may then be returned to its initial position and the operation repeated. If desired for purposes of amusement, I may provide a figure of a man at one side of the bath and that of a monkey at the other. Upon the dive being made by the two figures the man and monkey will face one another in the water at the required distance apart. Of course, although I have referred to these representations for the purpose of illustration, it will be seen that various figures or representations may be employed without departing from the spirit of my invention.

For purposes of illustration I will now refer to the annexed drawings, in which—

Figure 1 is a sectional side elevation showing my invention; Fig. 2, a sectional side elevation showing the figure in course of the diving movement; Fig. 3, an end elevation of Fig. 1.

a is a tank containing the water.

b is a casing containing the mechanism.

c is a figure (in this case representing a man) having the legs *d* pivoted at *e* to the body *c* and to which the bent lever *f* may be also attached, as shown in Fig. 3. This lever is pivoted to the casing through the medium of the spindle *h*, provided with projection or catch-piece *i* for engagement with the spring-catch *j*.

k is a spring which tends to move the lever *m'* in the direction of the arrow 2.

l is a rod having the bent end *m*, which engages upon the pin or stop-piece *n* upon the body *c* of the figure. By moving this rod *l* in the direction of the arrow 2 the body of the figure is brought into the position shown by the dotted lines. The stop-piece *o* upon the rod *l* then comes into contact with the spring catch-piece *j*, which, being lowered, releases the projection *i*, and the figure *c* will then move in the direction of the arrow 1, and the feet being free from the stop-pieces the spring or elastic *r* will bring them into the position shown in Fig. 2, and the dive being completed the buoyancy of the figure will tend it to assume the position shown by the dotted lines in Fig. 2, the piece of elastic *s* being for the purpose of returning the rod *l* to its operative position, and by turning the handle *t* the figure *c* may be brought back to its initial position.

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

A new or improved toy of the class herein described for the purpose of giving a representation of diving, a figure pivotally carried upon a rod or lever which is in turn pivoted to a suitable support and is provided with a projection for the purpose of engaging with the spring-catch, a controlling-spring for operating said lever, a rod or bar having a bent end for engaging upon a stop-piece on the body of the figure aforesaid, said rod or lever having a projection for operating the spring catch-piece for the purpose of releasing the lever carrying the figure, stop-pieces upon said casing for maintaining the feet of the

figure in their required position, springs or elastic cords attached to the body of said figure and the legs for the purpose of bringing them in a line with the body of the figure when required, substantially as described and illustrated herein and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of September, 1900.

THOMAS NAUNTON WALLER.

Witnesses:

BENJAMIN CLARK,

HENRY DENIS HOSKINS.