

No. 685,345.

Patented Oct. 29, 1901.

C. F. PERKINS & R. W. IRWIN.

TOY EGG.

(Application filed Jan. 19, 1901.)

(No Model.)

Fig. 1.

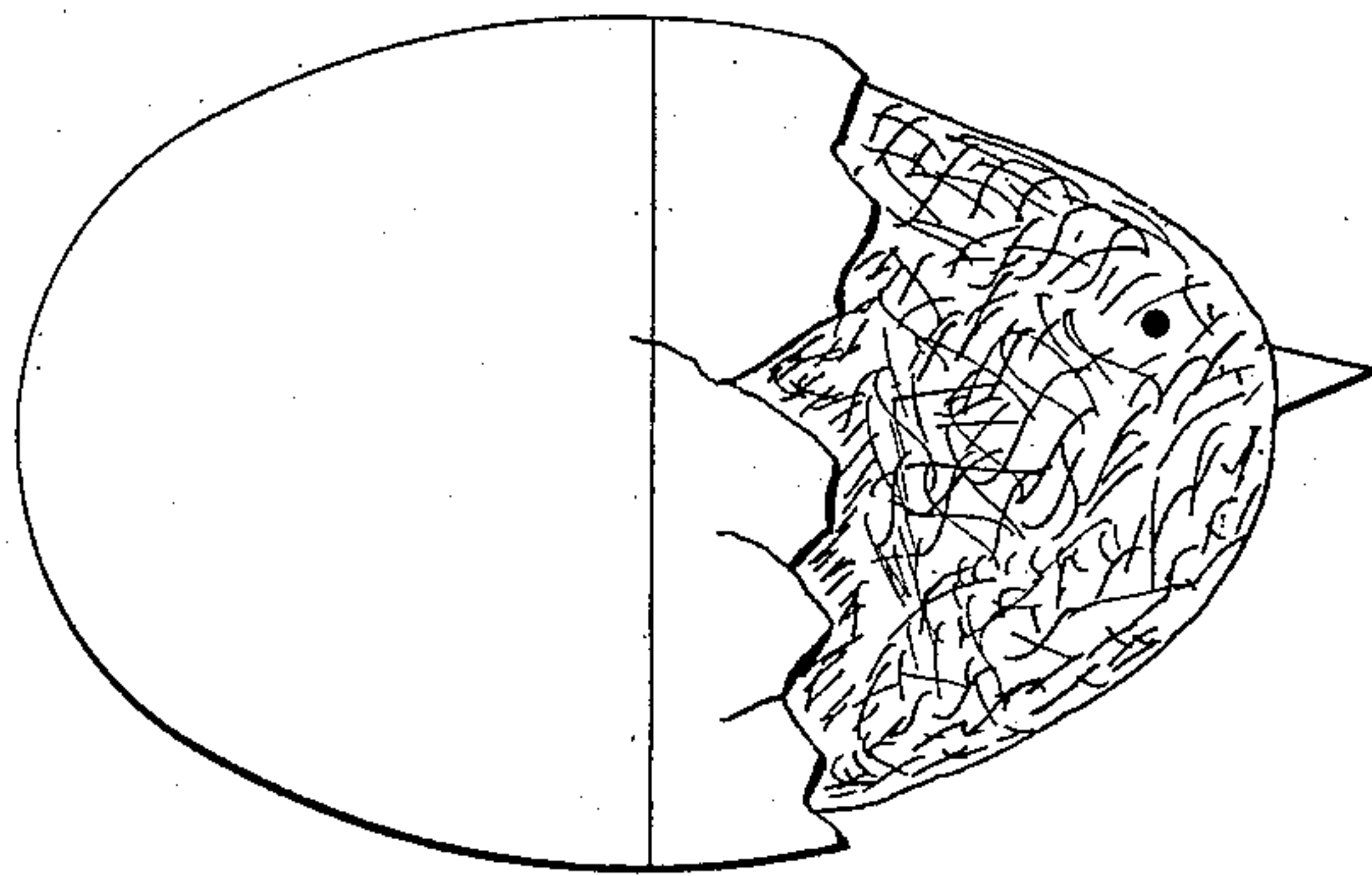


Fig. 2.

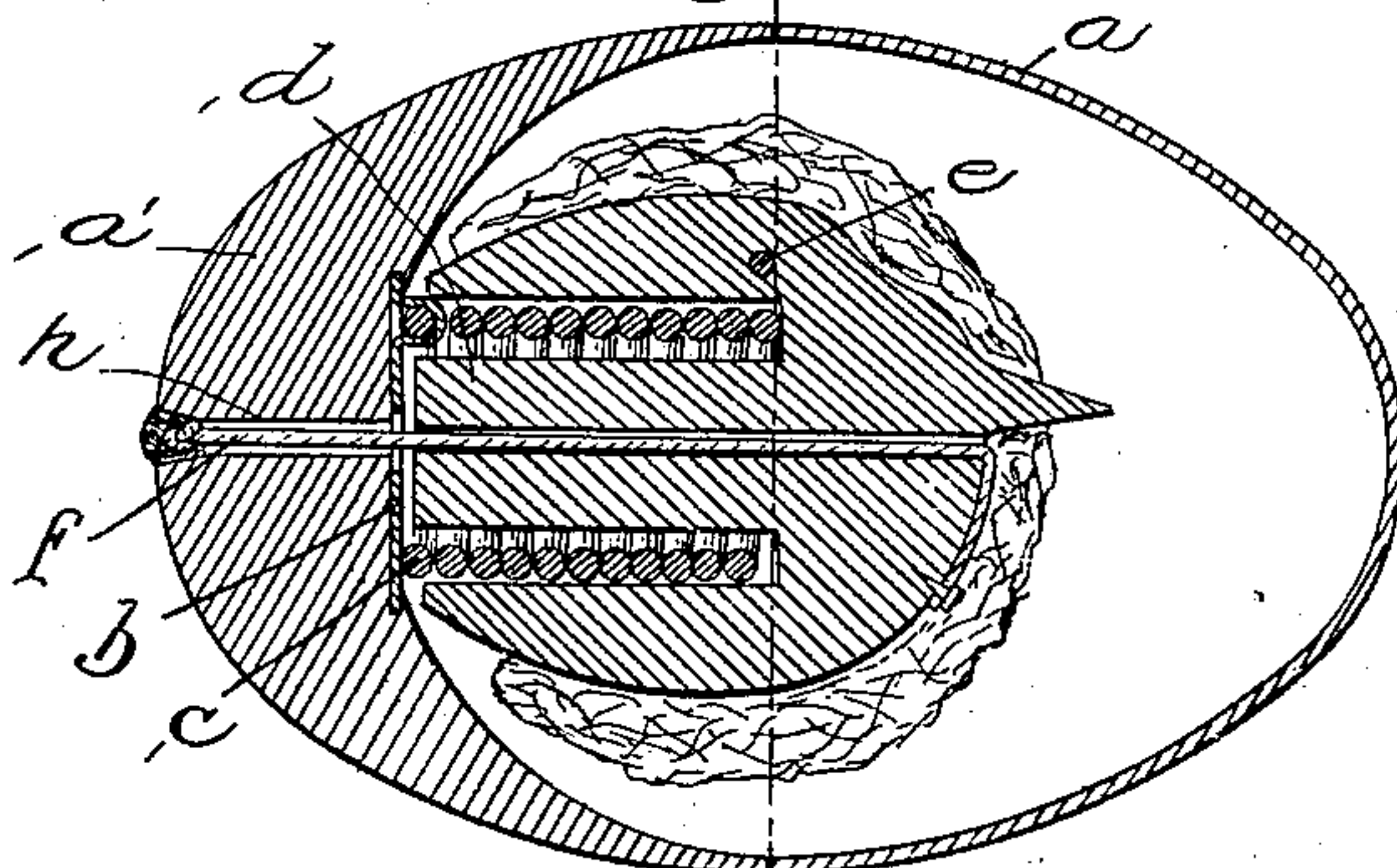


Fig. 3.

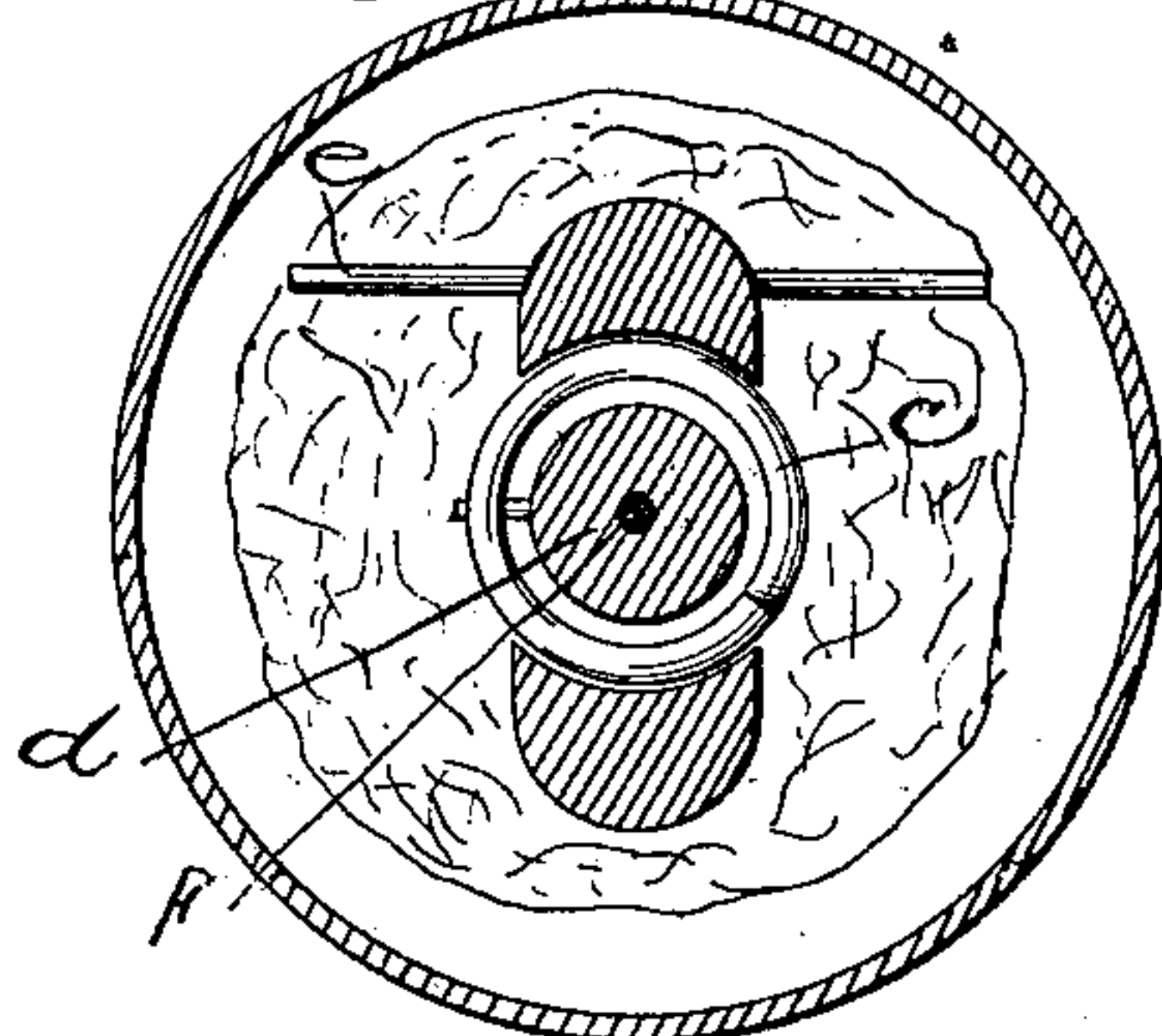
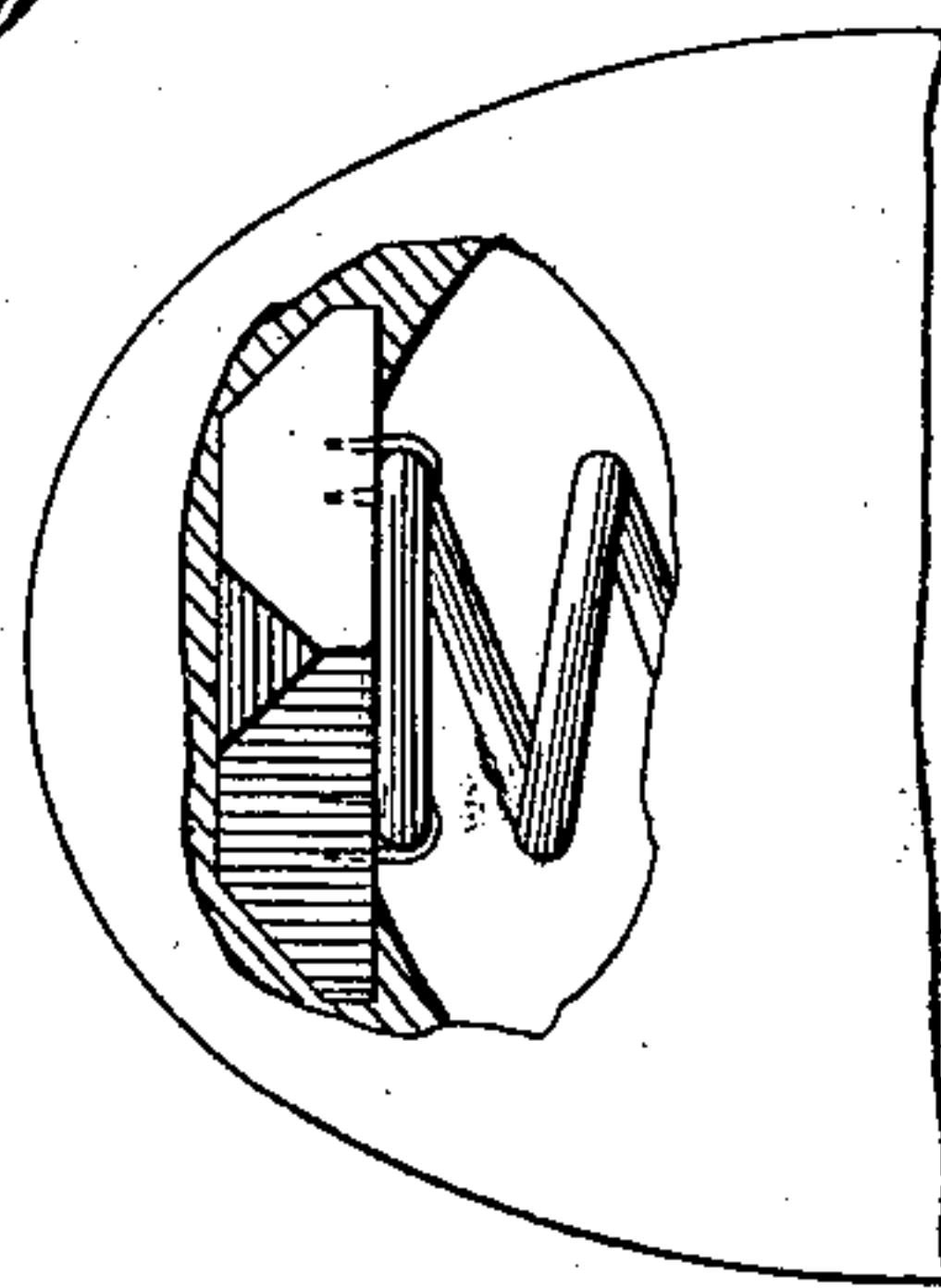


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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TOY EGG.

SPECIFICATION forming part of Letters Patent No. 685,345, dated October 29, 1901.

Application filed January 19, 1901. Serial No. 43,935. (No model.)

To all whom it may concern:

Be it known that we, CHARLES F. PERKINS and ROBERT W. IRWIN, citizens of the United States, residing at Grand Rapids, Michigan, have invented certain new and useful Improvements in Toy Eggs, of which the following is a specification.

Our invention relates to improvements in toy eggs; and the object of the invention is to provide an extremely simple form of article not liable to get out of order and which may be operated successfully by the application of heat to cause the imitation chicken within to break the egg-shell.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the chicken and shell after hatching. Fig. 2 is a central vertical section before the breaking of the egg-shell, and Fig. 3 is a transverse section. Fig. 4 is a detail of a modification.

In the drawings, *a* represents the shell, which is made of plaster-of-paris in two parts, which are secured together by glue. The butt-end of the shell *a'* is preferably made thicker than the front portion and has embedded therein a block or plate *b*, preferably of metal, which forms a seat for a helical spring *c*, the end coil of the spring being secured by threading it through eyes struck up from the metal. At the opposite end the spring carries a frame-piece, which is preferably provided with a tubular portion *d*, which fits within the coil of the spring, while its forward end is sharpened, shaped, and colored to represent the bill of the chicken. This frame-piece we cover with yellow cotton to represent the head or front portion of the chicken, the cotton being held in place by a metal cross-bar *e*, which also assists in breaking the shell in the manner hereinafter described.

A cord *f* is secured to the block or frame on which the cotton is secured, and before the two parts of the shell are secured together this cord is passed to the rear and through a hole *h* in the shell, and the spring is com-

pressed, bringing the parts in the position shown in Fig. 2. A knot is provided on the string in such a position that when the spring is compressed the knotted end rests in the countersunk portion of the hole in the shell and a drop of hot sealing-wax is placed around the knot, so that it effectually holds it, and thereby maintains the spring compressed. The two parts of the shell are then put together and the joint concealed by wash, when the egg is ready to be hatched. This is accomplished by applying heat to melt the wax; whereby the spring being released propels the frame forward against the inside of the smaller end of the egg and the impact causes the shell to be fractured.

Instead of using a metal plate to secure the spring to we may, if desired, use a wooden plate and secure the end coil of the spring by staples, as shown in Fig. 4.

Having thus described our invention, what we claim is—

1. A toy egg comprising a shell, an imitation spring-pressed chicken therein, means independent of the forward portion of the shell for retaining the chicken in a retracted position and for releasing it to allow it to spring forward to fracture the shell, substantially as described.

2. A toy egg comprising a shell, a spring mounted therein, an imitation chicken-head carried by said spring, a cord secured to the head and passing backward through the spring and means for securing the cord to hold the spring compressed, substantially as described.

3. In combination, the shell, a spring mounted therein, an imitation chicken-head carried by the spring, a cord secured to said head and passing backward through the spring, a knot on said string, seated in an opening in the shell and a fusible material in said opening around the knot, substantially as described.

4. In combination, the shell, a wooden block in the butt-end thereof, a spring carried by said block, an imitation chicken-head carried

by said spring, a string secured to the chicken-head and passing backward through an opening in the shell, and a fusible material securing said string in the opening, substantially as described.

5 5. A toy egg comprising a shell of fracturable material, a rigid plate fixed in the butt of said shell, a spring-pressed imitation chicken-head carried by said plate and means

whereby the chicken-head is caused to fracture the shell, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES F. PERKINS.
ROBERT W. IRWIN.

Witnesses:

H. G. TRACY,
H. J. WATROUS.