

H. Splittdorf,

Toy Ball.

No. 99023.

Patented Jan. 18. 1870.

Fig: 1

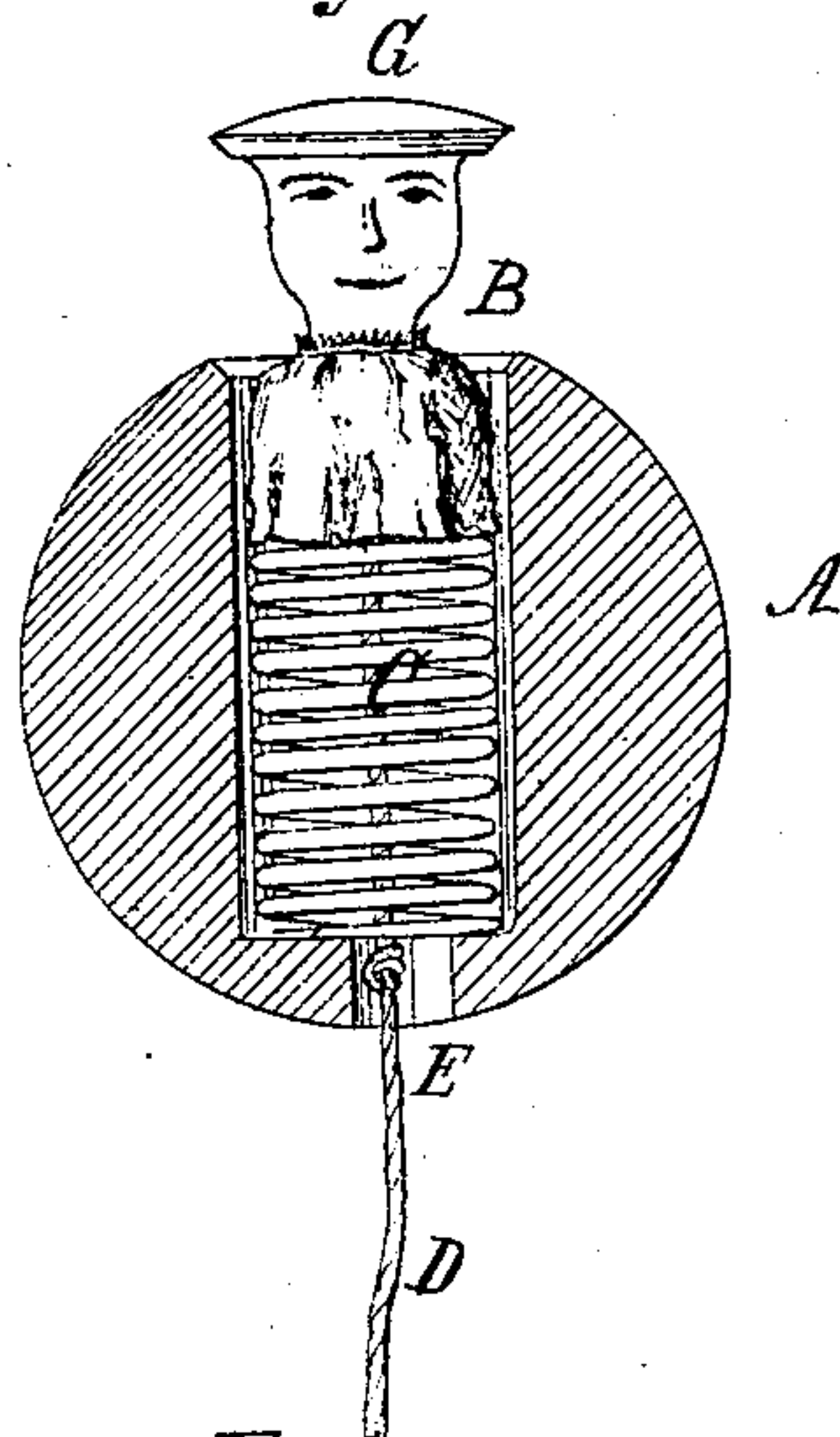
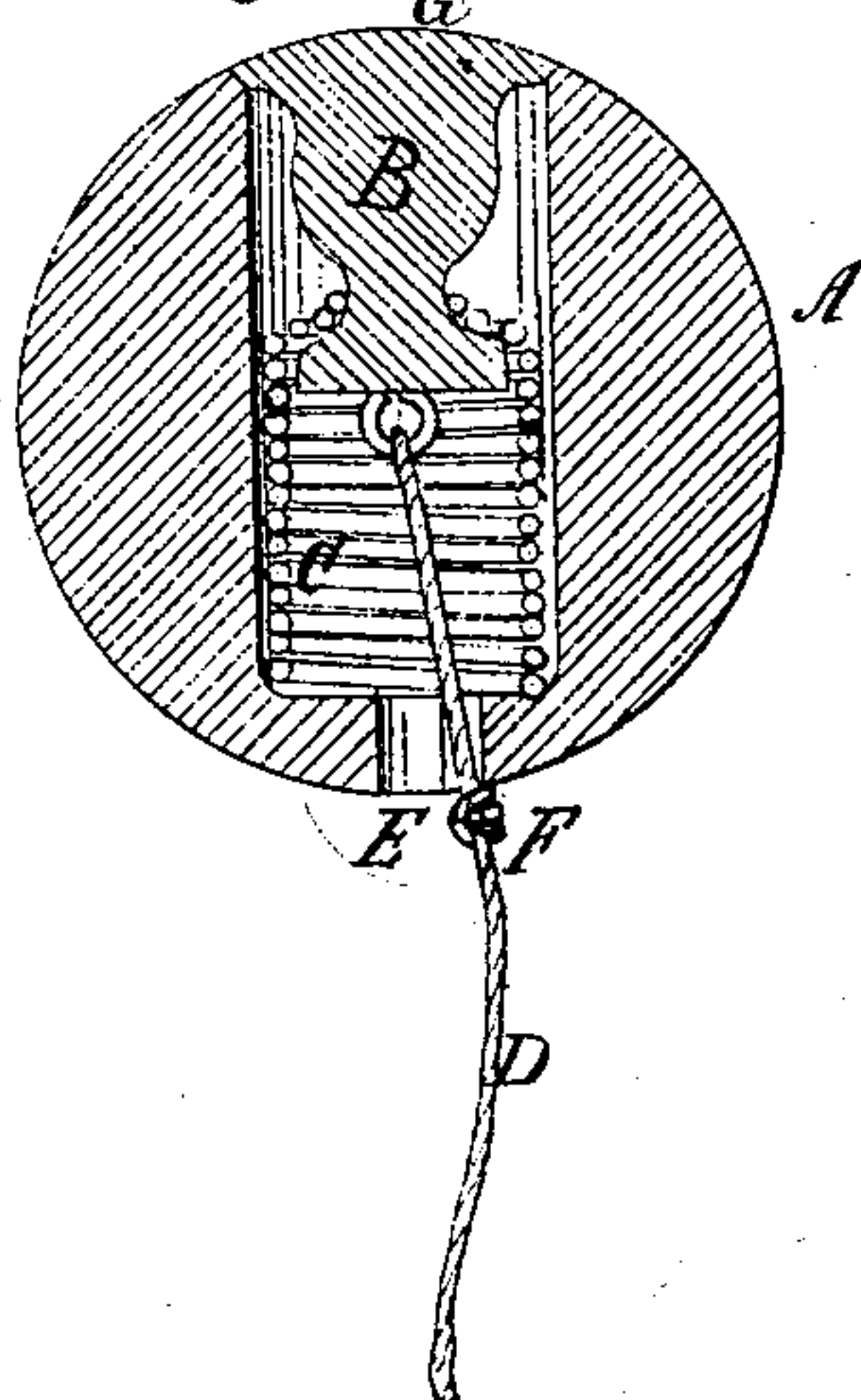


Fig: 2



Witnesses.

b. Wahlers

E. F. Kastentubler

Inventor.

Henry Splittdorf

*per
Kar. Sartorius & Hauff
attys*

United States Patent Office.

HENRY SPLITDORF, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND JACOB WEISS, OF SAME PLACE.

Letters Patent No. 99,023, dated January 18, 1870.

SPRING TOY-BALL.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY SPLITDORF, of the city, county, and State of New York, have invented a new and improved Spring Toy-Ball; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 is a central section of my invention, showing the toy sprung or open.

Figure 2 shows the toy when closed and locked.

Similar letters indicate corresponding parts.

This invention relates to that class of toys denominated surprise-toys, including the toy called "jack in the box," which contains an object that is concealed, until, by operating the toy, such object is released or uncovered, and thrown out or exposed to view.

My invention consists in combining the jack with a hollow ball or sphere, as is herein explained.

The letter A designates a hollow ball or sphere, within which I place a figure or jack, B, mounted or attached to a suitable spring, C, one end of which is secured to the interior of the sphere, while the other end is connected to the figure or jack, in such a manner as that the tension of the spring, after it has been forcibly compressed or distended, will throw the figure or jack outward, so as to expose it to view or remove the concealment.

The spring is compressed or operated by a cord, D, which extends through a pear-shaped slot, E, made through the wall of the sphere, at a point opposite to the point or place where the jack or figure lies hid.

A knot or enlargement, F, is made in the cord, at the point of the cord which comes just outside the sphere when the jack is drawn into and concealed

in the sphere, and by drawing the cord into the narrow end of the slot, with its enlargement outside, the cord becomes locked, and the jack remains concealed until the cord is drawn in the opposite direction, so as to bring the enlargement in line with the wider part of the slot, when, if the operator lets go the cord, the spring will be free to act on the jack, and expose it to view, the enlarged part of the cord going through the slot, and entering into the interior of the sphere.

In order that the figure or jack B may appear outside of the sphere, I cut out a portion, G, of the circumference or shell of the hollow ball or sphere, and secure it to the higher or most advanced part of the figure or jack, (in this example, I have secured it to the head of the jack,) in such a manner, that when the jack B is drawn within the sphere, the portion G will fit into and complete the circumference of the sphere, the joint which the portion or segment G makes with the opening in the sphere, being bevelled, so as to form a stop to the inward movement of the jack.

I do not confine myself to the particular method here shown, of arranging the spring C, nor to the locking-device here shown, as I can employ other plans for these purposes.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of a spring-jack or figure, B, with a hollow ball or sphere, A, substantially as described.

This specification signed by me, this 22d day of November, 1869.

HENRY SPLITDORF.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.