(Model.)

# A. M. LYON & H. S. LOCKWOOD.

## TOY BOX FOR EXPLODING FULMINATE WAFERS.

No. 265,616. Patented Oct. 10, 1882.

Fig. 1.

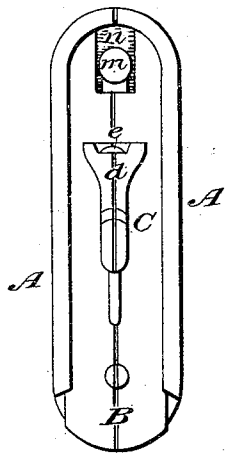



Fig. 2.

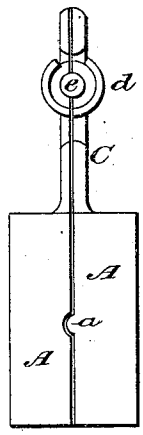



Fig. 3

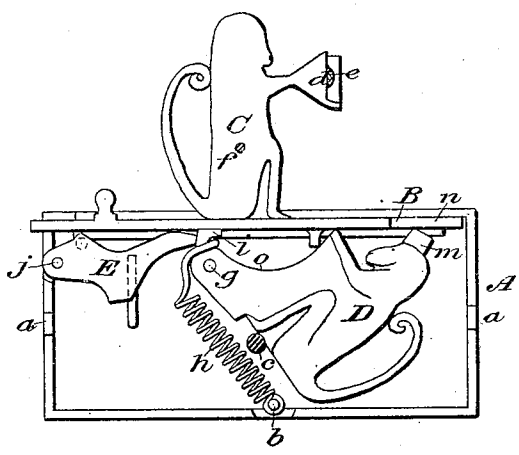
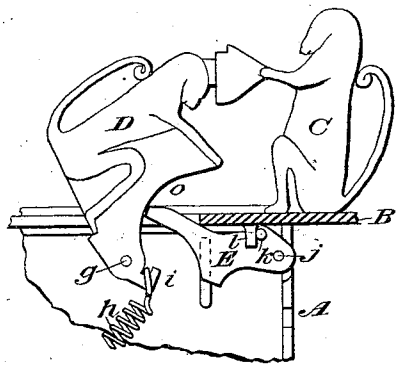



Fig. 4.




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# UNITED STATES PATENT OFFICE.

AMOS M. LYON, OF NEW YORK, N. Y., AND HENRY S. LOCKWOOD, OF SOUTH NORWALK, CONNECTICUT, ASSIGNORS TO STEIN & LYON, OF NEW YORK, N. Y., AND THE LOCKWOOD MANUFACTURING COMPANY, OF SOUTH NORWALK, CONNECTICUT.

## TOY BOX FOR EXPLODING FULMINATE WAFERS.

SPECIFICATION forming part of Letters Patent No. 265,616, dated October 10, 1882.

Application filed April 6, 1882. (Model.)

*To all whom it may concern:*

Be it known that we, AMOS M. LYON, of the city, county, and State of New York, and HENRY S. LOCKWOOD, of South Norwalk, Fairfield county, Connecticut, both citizens of the United States, have jointly invented certain Improvements in Toy Surprise-Boxes, of which the following is a specification.

This invention relates to a box or receptacle having a sliding lid or cover, on which is mounted the figure of a man, animal, or other similar device to bear an explosive pellet or cap, and another figure pivotally mounted within the box, and arranged to be thrown out by a spring in such a manner as to explode the said pellet by percussion, the movement of the cover in opening the box being arranged to release the inclosed figure and permit the spring to throw it out. The cover and the figure formed thereon are made by preference in two equal parts or halves, joined on a vertical longitudinal plane; and the box is constructed in the same manner, the two parts of each being riveted or otherwise securely fastened together.

In the drawings which serve to illustrate our invention, Figure 1 is a plan of the device, and Fig. 2 is an end elevation of the same. Fig. 3 is a sectional elevation, being taken on the line of junction of the two halves of the box and its cover. Fig. 4 is a detached view, which will be hereinafter explained.

A A represent the two halves of the box or receptacle, one of which is provided with projections *a a* at its ends to engage recesses in the other half when they fit together, and with a projection, *b*, at its bottom. The two parts are connected by a rivet, *c*. Each half of the box is provided with a groove at its upper edge to receive the edge of the cover. The cover B is also formed in two parts, on each of which is formed one half of a figure, C, which bears a bell, D, to receive an explosive pellet, *e*. The halves of the cover are secured together by means of a rivet, *f*.

D is a figure pivotally mounted at *g* on a stud formed on the interior of the box, and *h* is a spring, one end of which is attached to the projection *b* and the other to a heel-piece, *i*, on the figure D.

E is a dog or detent, which is pivotally mounted on a stud, *j*, on the box, and its free end arranged to take behind the heel-piece *i*, and thus prevent the spring *h* from throwing the figure D up out of the box. On the dog E is lateral projection, *k*, (see Fig. 4,) arranged in the path of a pendent pin or lug, *l*, on the under side of the cover.

Fig. 3 shows the cover closed and the parts at rest. When the cover is drawn out the pin or lug *l* engages the projection *k* on the dog, as shown in the detached view, Fig. 4, and a smart pull throws the dog up until its free end clears the heel-piece *i*. The figure D being now free, the spring *h* suddenly contracts and throws it up. The bell D on the figure C is now in position to receive a hammer, *m*, on the head of figure D as the latter is thrown forcibly out of the box, and the pellet *e* is thus exploded. This position of parts is illustrated in Fig. 4. In order to permit the free end of the dog to lift at the proper time, and also to permit the figure D to rise out of the box freely, a recess, *n*, is formed in the forward end of the cover, as shown. When the cover is pushed in the margin of this recess takes against the curved front edge, *o*, of figure D, and presses said figure back to its place in the box, when the dog again drops behind the heel-piece, and the box is set.

The inclosed figure D might be set free by turning the cover sidewise on a pivot, if desired. We do not wish to limit ourselves to the precise construction and arrangement herein shown.

In lieu of the figures of animals or other living things, the parts C and D may be simply representations of inanimate things. Representations of living things are preferred, as exciting more interest and affording more amusement.

Having thus described our invention, we claim—

1. A toy surprise-box comprising a box containing a figure pivotally mounted therein and

arranged to be thrown out by a spring, a pivoted detent arranged to hold the said figure down in the box, a sliding cover for the box, provided with a lug on its under side arranged to trip or free the detent and release the figure in the box when the cover is drawn back, and a figure mounted fixedly on the box-cover and provided with a receptacle for an explosive pellet, the said figure on the cover being arranged in the proper position to receive a blow from the ejected figure, all combined and arranged substantially as set forth.

2. A toy surprise-box comprising a box, a sliding cover, B, provided with a lug, *l*, a figure, C, mounted thereon, the figure D, pivotally mounted in the box, and having a heel-piece, *i*, a spring, *h*, and a detent, E, all constructed, combined, and arranged to operate substantially as set forth.

3. A toy surprise-box comprising a box, a sliding cover, B, provided with a recess, *n*, and lug *l*, a figure, C, mounted fixedly on the cover, the figure D, pivotally mounted in the box, and having a curved front, *o*, and a heel-piece, *i*, a spring, *h*, and a detent, E, all constructed, combined, and arranged to operate substantially as set forth.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

AMOS M. LYON.
HENRY S. LOCKWOOD.

Witnesses:
HENRY CONNETT,
ARTHUR C. FRASER.