

(No Model.)

C. DIENER.

TOY.

No. 296,941.

Patented Apr. 15, 1884.

Fig. 1.

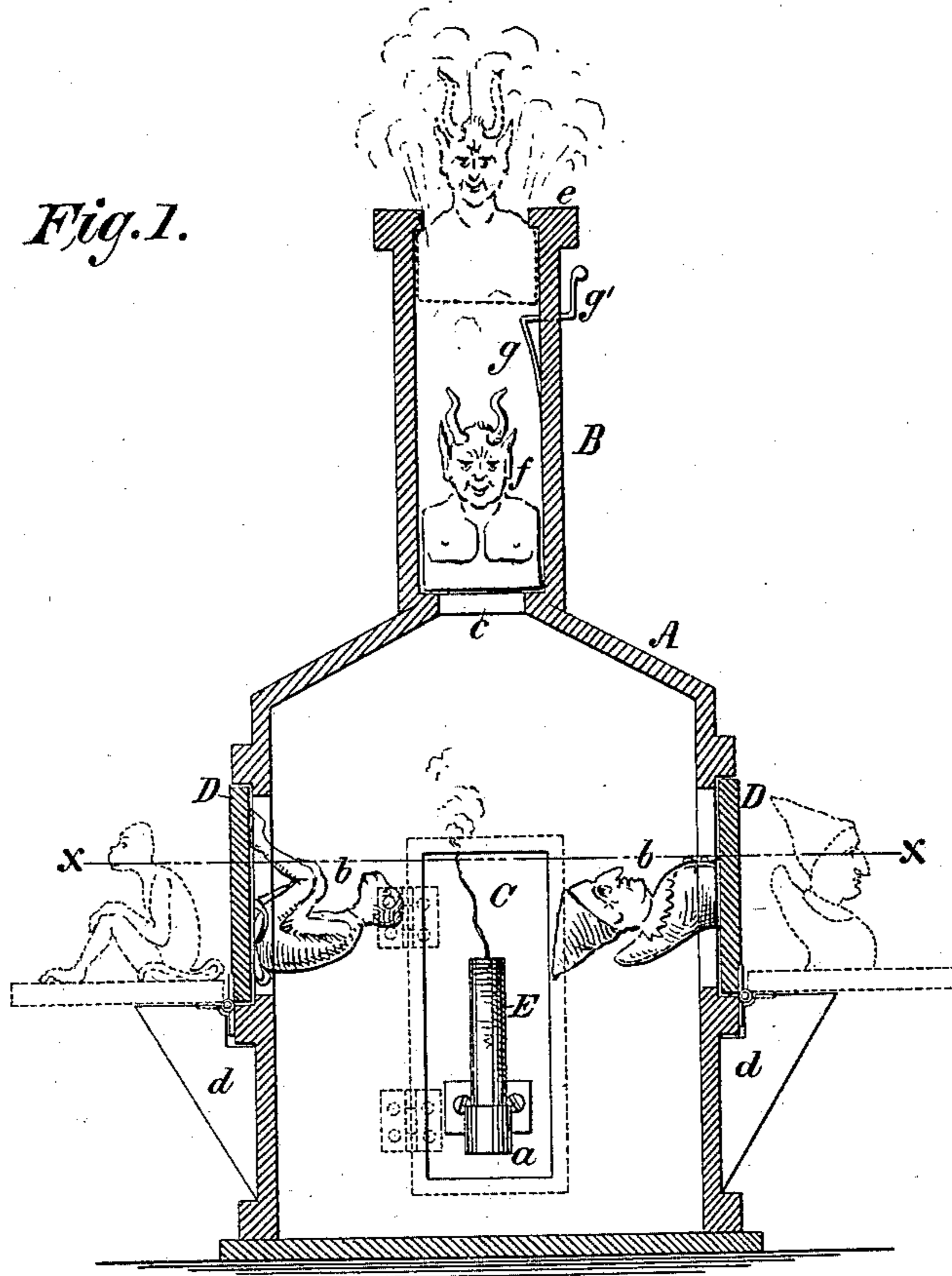
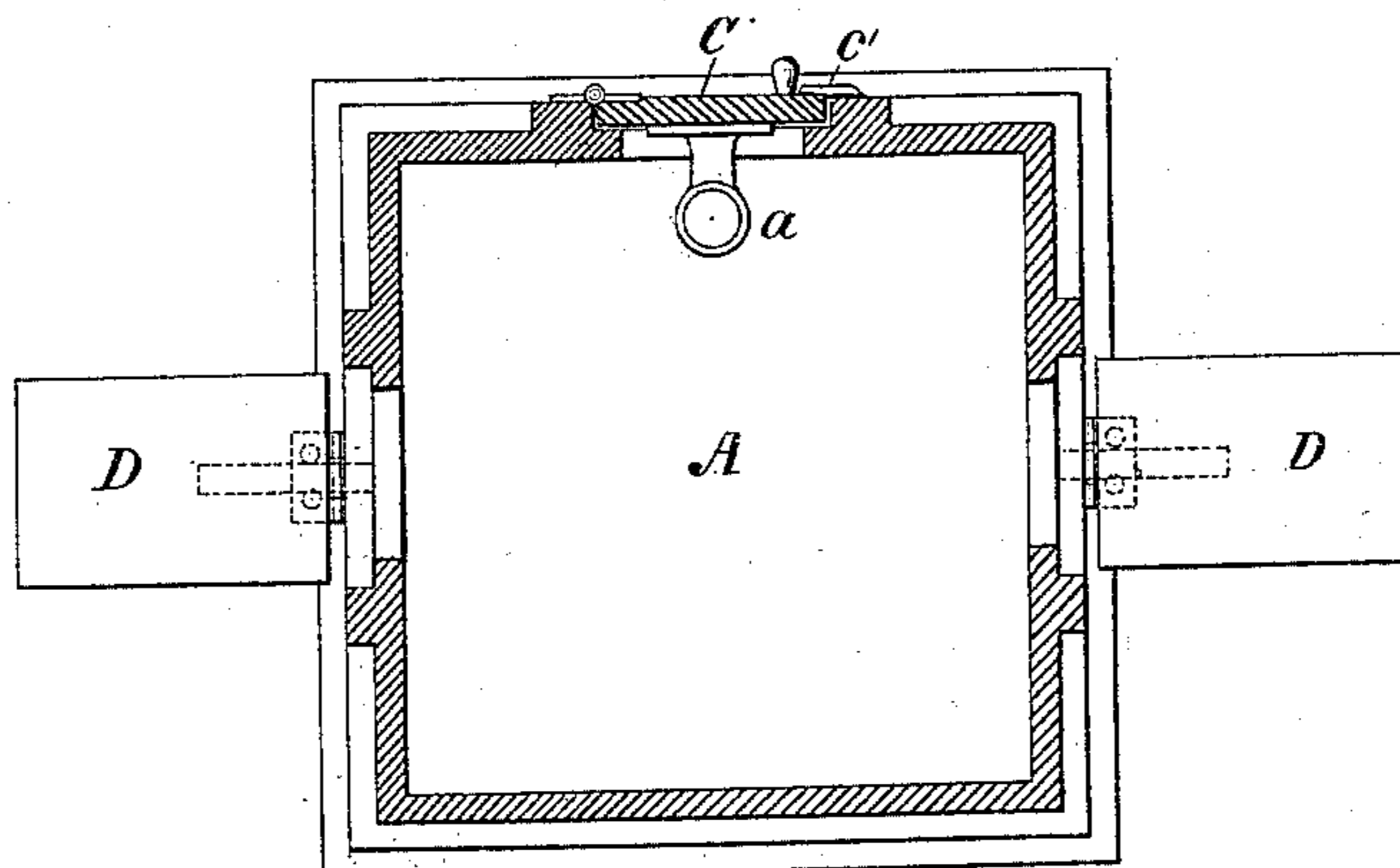


Fig. 2.



WITNESSES:
Gustave Dietrich
C. Sedgwick

INVENTOR:
C. Diener
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES DIENER, OF NEW YORK, N. Y.

TOY.

SPECIFICATION forming part of Letters Patent No. 296,941, dated April 15, 1884.

Application filed February 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES DIENER, of the city, county, and State of New York, have invented a new and Improved Toy, of which the following is a full, clear, and exact description.

This invention relates to a toy to be used with fire-crackers; and it consists, principally, of an inclosure made, preferably, in the form of a miniature house, in which the fire-crackers are to be exploded, the inclosure being provided with images arranged to be displayed by the force of the explosion.

The invention also consists in forming the inclosure with a chimney in which is placed an image arranged to be forced to the top of the chimney and displayed by the force of the explosion, and also of the construction, arrangement, and combination of parts, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of my new and improved toy, showing in full lines the parts in the position they occupy just before the explosion, and in dotted lines the position they occupy after the explosion; and Fig. 2 is a sectional plan view, taken on the line *xx* of Fig. 1.

A represents the inclosure, which may be made of wood or sheet metal, and which is by preference made in the form of a miniature house, with the chimney B, hinged door C, and hinged window-shutters D D. The door C is provided upon the inside with the socket *a*, in which the fire-cracker E is held for explosion within the inclosure. The window-shutters D are by preference hinged at their lower edges, as shown, and are each provided upon the inside with an image, *b*; and to prevent the shutters from being forced too far downward by the explosion I provide the inclosure upon the outside with the stop-cleats *d d*, which are arranged to stop the shutters D at the horizontal position, as shown in dotted lines in Fig. 1.

Within the chimney B is placed the image *f*, which is free to move in the chimney from the ledge *c* at the bottom to the flange *e* at the top of the chimney; and for holding the image *f*, displayed at the top of the chimney, I provide the same with the small wire spring

g, (shown in Fig. 1,) the end *g'* of the spring reaching through a suitable orifice to the outside of the chimney, so that the spring may easily be withdrawn from under the image to permit it to drop back into the chimney after the explosion.

The action of the toy is as follows: The shutters D being closed, and the image *f* lowered to the bottom of the chimney B, a lighted fire-cracker will be placed in the socket *a*, and the door C closed and locked by the button *c'*. When the explosion of the fire-cracker takes place, the shutters D will be thrown open, displaying the images *b*, and the image *f* in the chimney B will be forced upward to the top of the chimney, where it will be held in displayed position by the springs *g*, thus making the toy to appear to show that all those individuals come out to see what causes the disturbance. By drawing outward upon the end *g'* of the spring *g*, and closing the shutters D, the parts of the toy will be in position again ready for another explosion.

Instead of attaching the images *b* to the shutters D they may be suspended in the windows, or attached in such manner as to be displayed in upright position in or leaning out from the windows, in which case the cleats *d* would be dispensed with, and the shutters would be hinged at their side edges to swing open horizontally, and instead of making the inclosure A in the form of a house, it might be made in any other shape or form, and not depart from the spirit of my invention.

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

1. A fire-cracker toy made substantially as herein shown and described, and consisting of an inclosure in which the fire-cracker is to be exploded, the inclosure being provided with images arranged to be deployed by the force of the explosion, substantially as set forth.

2. The inclosure A, formed with the chimney B, having an image, *f*, placed therein, and provided with the spring *g*, for holding the image at the top of the chimney, substantially as described.

3. The door C of the inclosure A, formed or provided with the socket *a*, for holding a fire-cracker, substantially as and for the purposes set forth.

Witnesses:

CHARLES DIENER.

H. A. WEST,
C. SEDGWICK.