

(No Model.)

S. S. YENOVKIAN
FIRE CRACKER.

No. 600,190.

Patented Mar. 8, 1898.

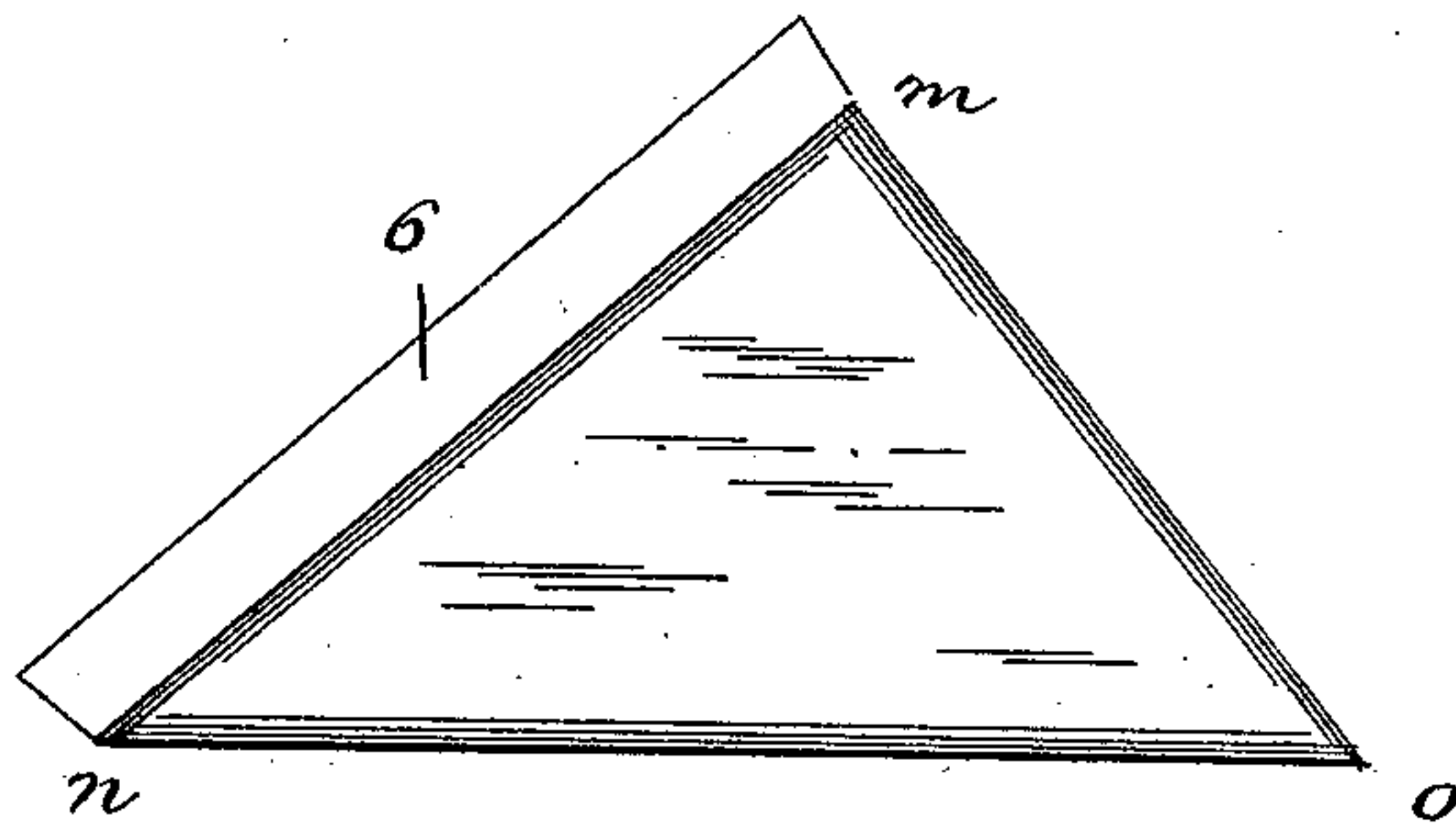
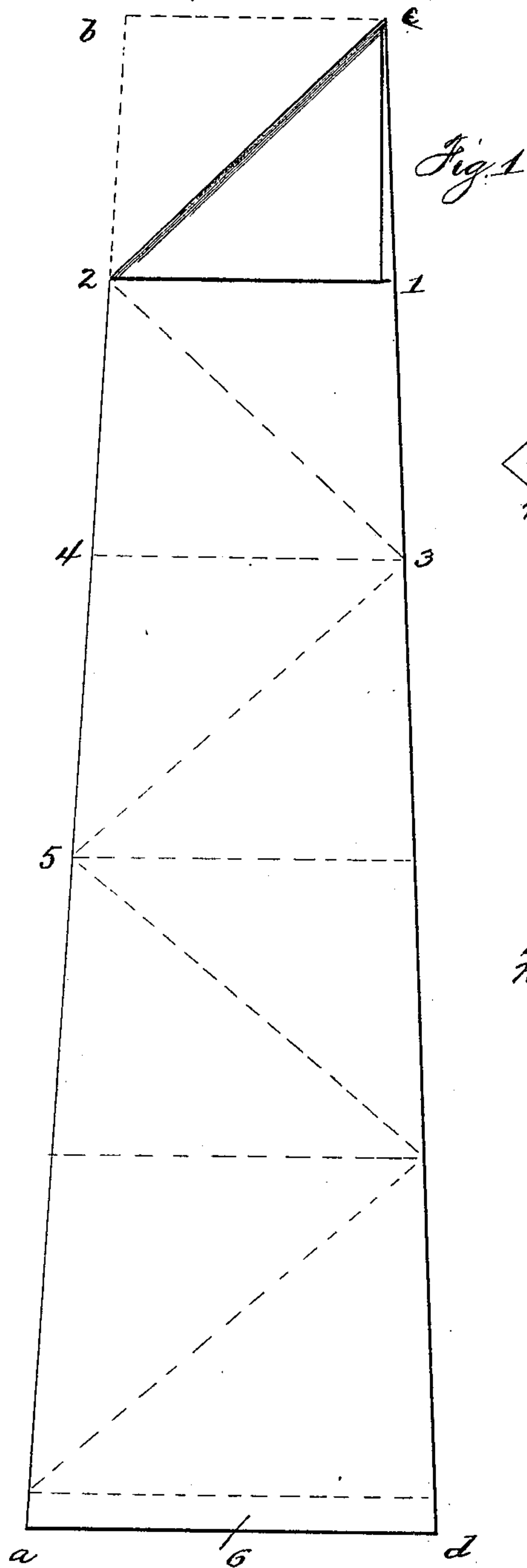


Fig. 2.

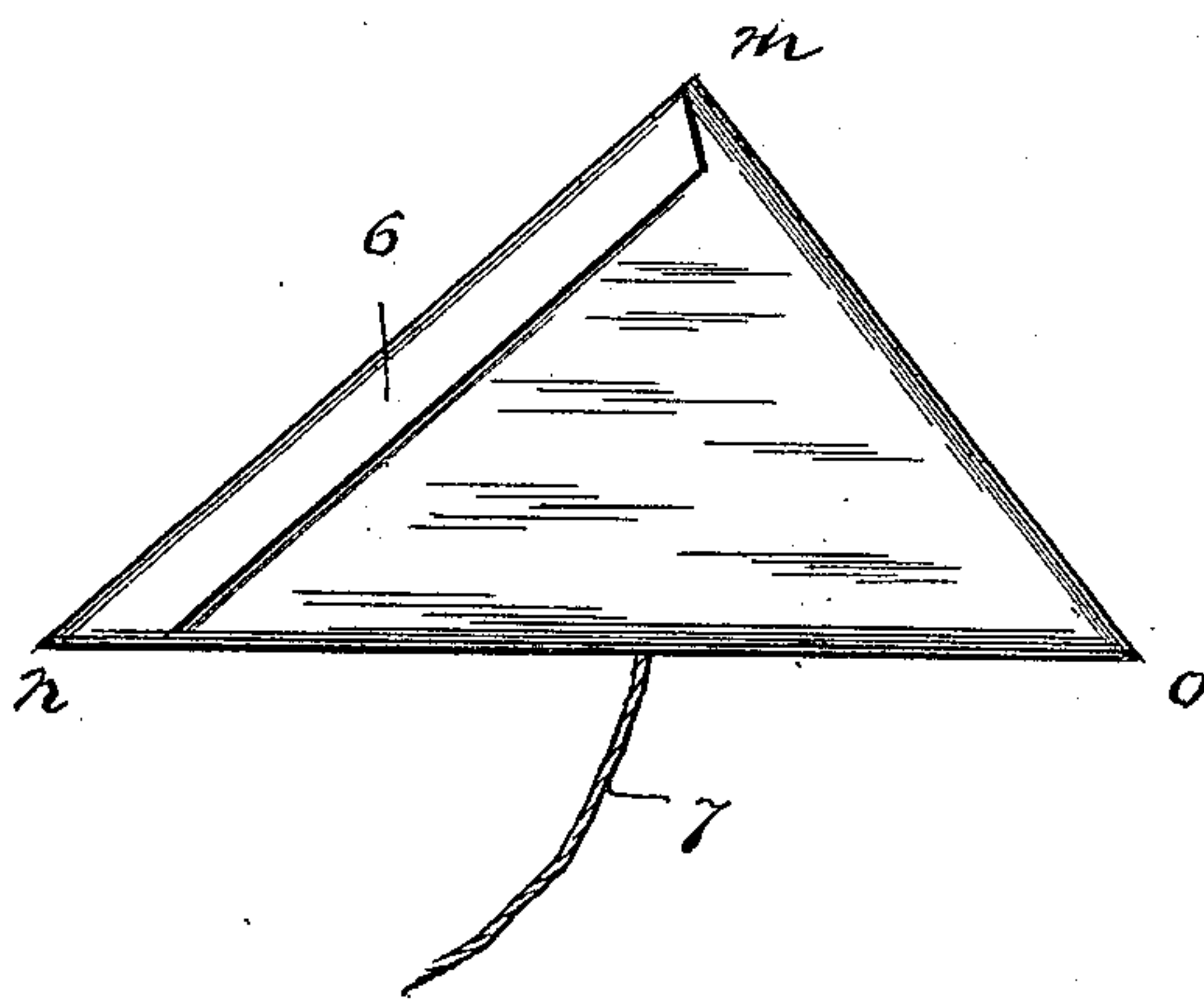


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

SARKIS S. YENOVKIAN, OF DELAWARE, OHIO.

FIRE-CRACKER.

SPECIFICATION forming part of Letters Patent No. 600,190, dated March 8, 1898.

Application filed July 3, 1897. Serial No. 643,340. (No model.)

To all whom it may concern:

Be it known that I, SARKIS S. YENOVKIAN, a citizen of the United States, residing at Delaware, in the county of Delaware and State of Ohio, have invented certain new and useful Improvements in Fire-Crackers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a fire-cracker of improved construction, whereby their cost of manufacture is lessened and their detonating effect relatively increased.

My invention is embodied in a fire-cracker formed of paper or other suitable fabric folded into triangular form, substantially as herein-after set forth.

In the annexed drawings, illustrating the manner of constructing the cracker, Figure 1 indicates a strip of paper, showing the way in which the first fold is made and by broken lines the way in which the subsequent folds are made. Fig. 2 illustrates the strip after the last fold to form the body of the cracker has been made, the pasting or fastening strip being yet unfolded; and Fig. 3 illustrates the completed cracker, the fuse being in place.

In practice I take a strip of paper *a b c d* of trapezoid or tapering form and bend down one of the upper corners, substantially as shown in Fig. 1, and repeat the folding over and over on lines 1 2, 2 3, 3 4, 3 5, and so on down the strip until the end is reached. The paper is previously prepared of such length that the cracker shall be of sufficient thickness and strength to produce the desired loudness of sound when exploded and so that when the last fold has been made there shall remain a narrow strip 6, that is folded over one edge of the cracker and pasted thereto, as indicated in Fig. 3. When the paper has been folded in the manner shown and described, it will be obvious that with the proper length of paper the thickness of paper along

each of the edges *m n* and *n o* may be exactly half that along the edge *n o*, Fig. 3, so that in exploding the cracker will burst along the edges *m n m o*, throwing both the triangular sides violently outward, thus effecting the greatest possible concussion.

The fuse 7 may be inserted at any point in the cracker; but I prefer to place it at about the middle of the thickest edge *n o*, the edge being punctured for that purpose.

When the strip, Fig. 1, has been folded the second time—that is, to the line 2 3—a pocket is formed into which the powder or other explosive may be placed, and the two or more subsequent foldings will completely inclose the said explosive.

I prefer to cut the original strip *a b c d* so that the grain of the paper lies parallel to the axis of the strip, whereby in folding the grain shall not be parallel to the bursting edges *m n* and *m o*, thereby making the cracker more difficult to tear or burst at those edges.

The degree of taper of the strip *a b c d* will be proportioned to the thickness of paper employed in the manufacture of the cracker. If the paper be thick, the taper will be greater, in order to allow for that taken up in folding, the aim being to complete or nearly complete triangles of paper in the sides of the cracker.

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

1. A fire-cracker, the body of which is made of folded fabric and of triangular form, substantially as described.

2. A fire-cracker having its body of triangular form, made by folding a tapered strip of paper, substantially as herein described.

In testimony whereof I affix my signature in the presence of two witnesses.

SARKIS S. YENOVKIAN.

Witnesses:

GEORGE M. FINCKEL,
BRENTON T. BADLEY.