

No. 720,820.

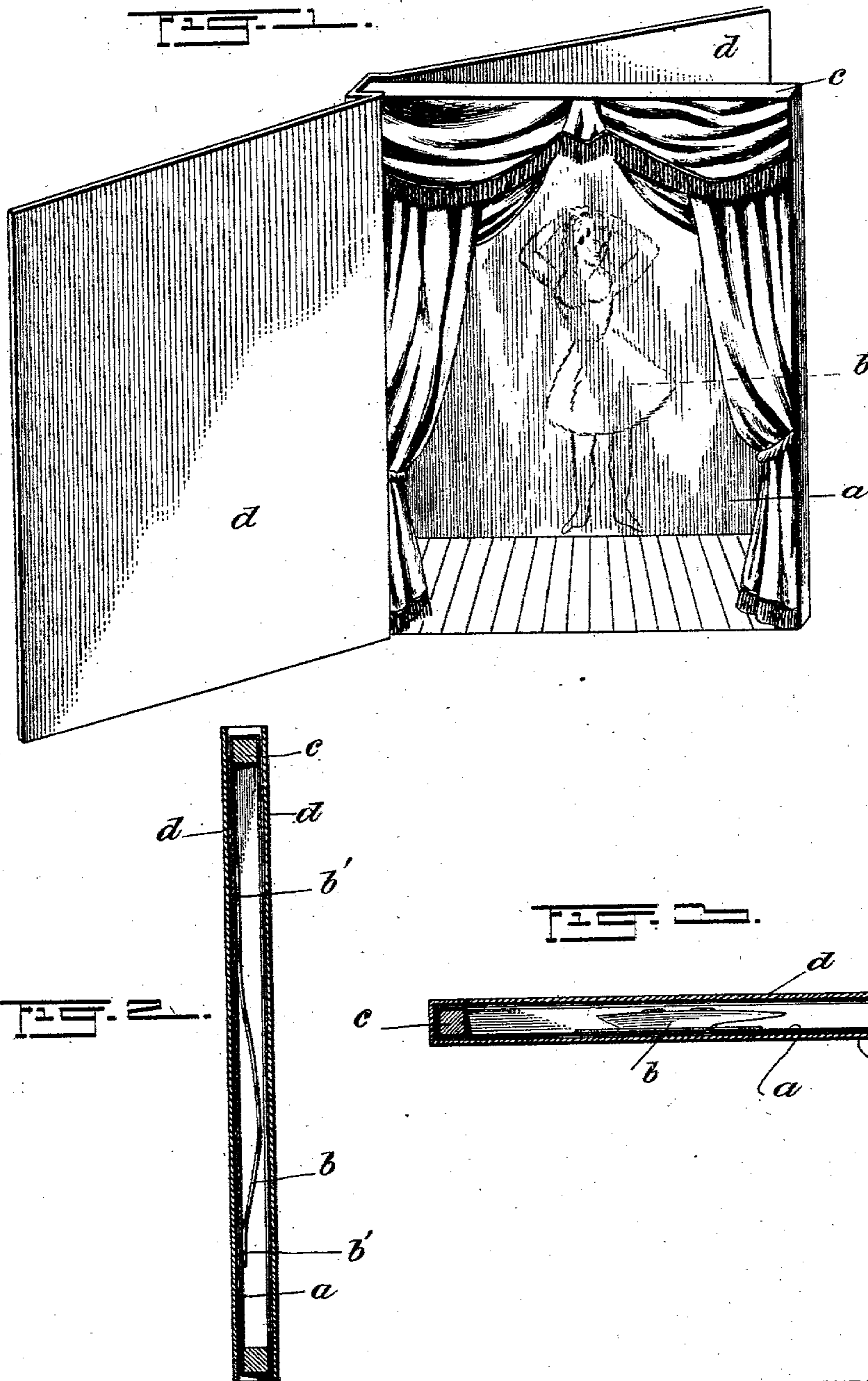
PATENTED FEB. 17, 1903.

J. A. KRAUS.

SHADOW PICTURE.

APPLICATION FILED SEPT. 24, 1901.

NO MODEL.



WITNESSES:

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JOEL A. KRAUS, OF NEW YORK, N. Y.

SHADOW-PICTURE.

SPECIFICATION forming part of Letters Patent No. 720,820, dated February 17, 1903.

Application filed September 24, 1901. Serial No. 76,429. (No specimens.)

To all whom it may concern:

Be it known that I, JOEL A. KRAUS, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Shadow-Picture, of which the following is a full, clear, and exact description.

This invention relates to a device having a translucent sheet, back of which is arranged a relatively opaque picture object, so that when held before a light the picture object shows boldly in shadow on the translucent sheet. The invention resides in certain features of construction and arrangement of parts, which will be fully brought out hereinafter.

This specification is a specific description of one form of the invention, while the claims are definitions of the actual scope thereof.

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

Figure 1 is a perspective view of the invention. Fig. 2 is a vertical section thereof, and Fig. 3 is a horizontal section of the invention.

a indicates the translucent sheet, which may have produced thereon pictorial matter as an adjunct to the real subject of the picture—for example, the stage and curtains shown in Fig. 1.

b represents the relatively opaque picture object, here shown (see Fig. 1) in the form of a ballet-dancer. This object *b* is fastened at its top and bottom to the sheet *a*, (see the points *b'* in Fig. 2,) thus leaving the middle portion of the object unattached to and projecting out slightly from the sheet *a* and free to move slightly relatively thereto. The purpose of this is to enable moving shadows to be cast onto the sheet *a*, thus giving the impression of actual movement of the object *b*.

c indicates a rigid rectangular frame on which the sheet *a* is carried, the sheet lying in a plane with the front face of the frame, so that the object *b* may lie in the space between the front and rear faces of the frame. (See Figs. 2 and 3.) By this arrangement the delicate object *b* is protected fully from damage.

d represents covers arranged, respectively,

at the front and rear of the frame *c* and capable of swinging freely to open position, as in Fig. 1, or of closing on the frame *c* completely to cover and protect the parts *a* and *b*.

The parts *a* and *b* are necessarily of a very delicate nature, and by means of the parts *c* and *d* they are fully protected and the toy made so durable that it may be carried about indefinitely in one's pocket or otherwise at will.

To use the device, the covers *d* should be thrown back and the sheet *a* held before a light, so as to cast the shadow of the object *b* on the sheet *a*. By moving the light or the toy the shadow will be given motion closely resembling the movements of a person dancing.

Various changes in the form, proportions, and minor details of my invention may be resorted to without departing from the spirit and scope thereof. Hence I consider myself entitled to all such variations as may lie within the scope of my claims.

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

1. The combination of a translucent sheet, and a relatively opaque picture object fastened to the sheet at one or more points on the object, leaving other portions unattached to and removed from the sheet.

2. The combination of a frame, a translucent sheet fastened to one face thereof, and a relatively opaque picture object lying within the frame to be protected thereby, said picture object being fastened to the sheet at one or more points on the object, leaving other portions unattached to, and removed from the sheet.

3. The herein-described shadowgraph, consisting of a frame, and a screen in combination with a figure from which a shadow is cast, said figure having one or more of its extremities in close contact with the screen, and its remaining portions at various distances from the screen.

4. A shadowgraph, consisting of a section of translucent material, and a section of material representing an object secured thereto and held out of contact therewith, and adapted to cast a shadow upon the translucent material when interposed between the translucent material and a light.

5. A shadowgraph, consisting of a section of translucent material, a section of suitable material cut to represent an object supported at the rear of the translucent material and
5 having projections secured against the said translucent material to hold it out of contact therewith, the last-mentioned section being adapted to cast a shadow on the translucent material when held before a light.

10 6. A shadowgraph, consisting of a section of translucent material, and a section of non-translucent material cut to represent an object secured to the translucent material and held out of contact therewith.

7. A shadowgraph, consisting of a section 15 of translucent material and a section of non-translucent material, cut to represent an object having portions disposed against the translucent material and its remaining portion held out of contact therewith. 20

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOEL A. KRAUS.

Witnesses:

MAX HECHT,
PHILIP WOLFSON.