

(No Model.)

C. A. GARTNER.
STEREOSCOPE.

No. 283,997.

Patented Aug. 28, 1883.

Fig. 1.

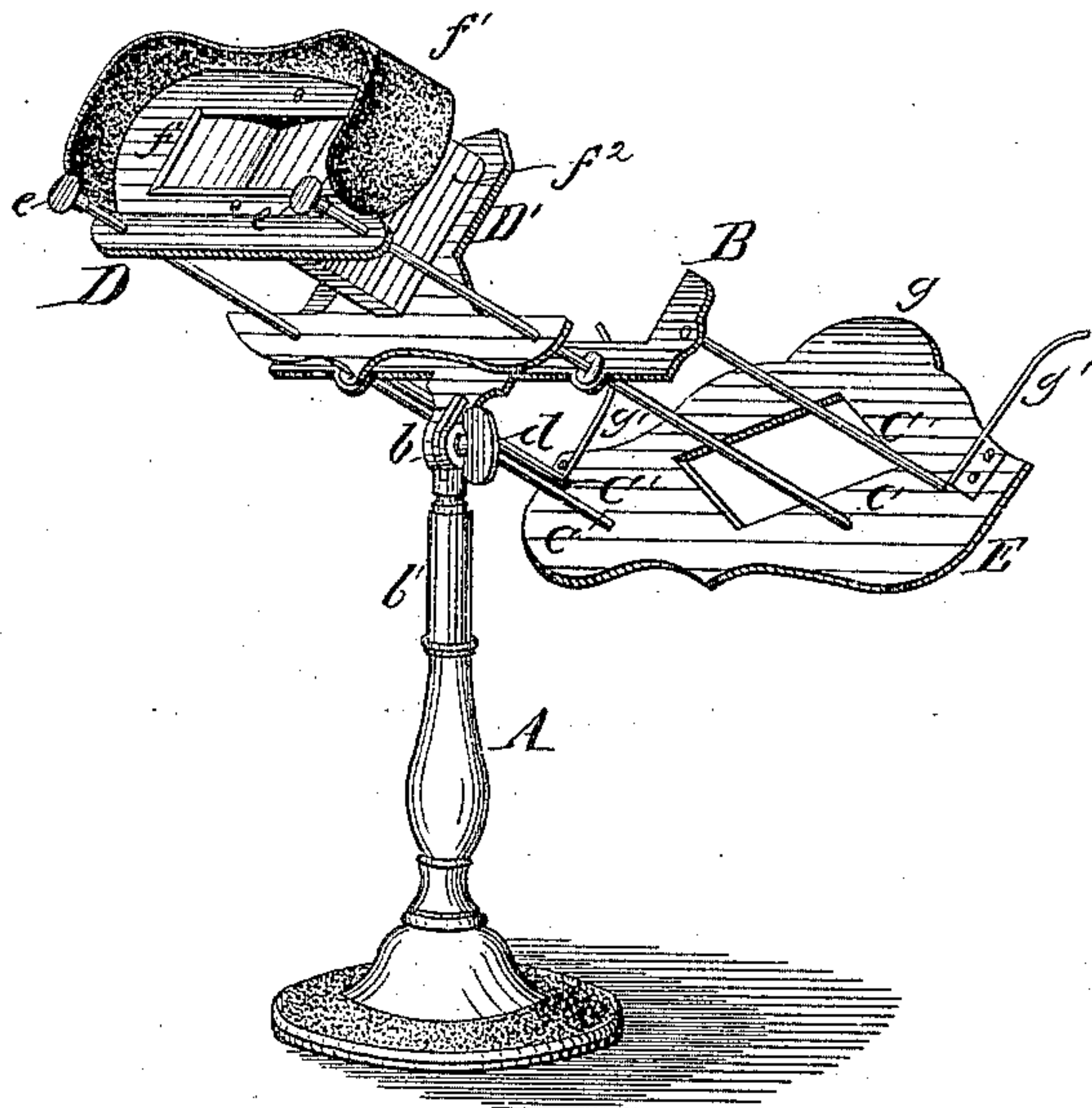


Fig. 2.

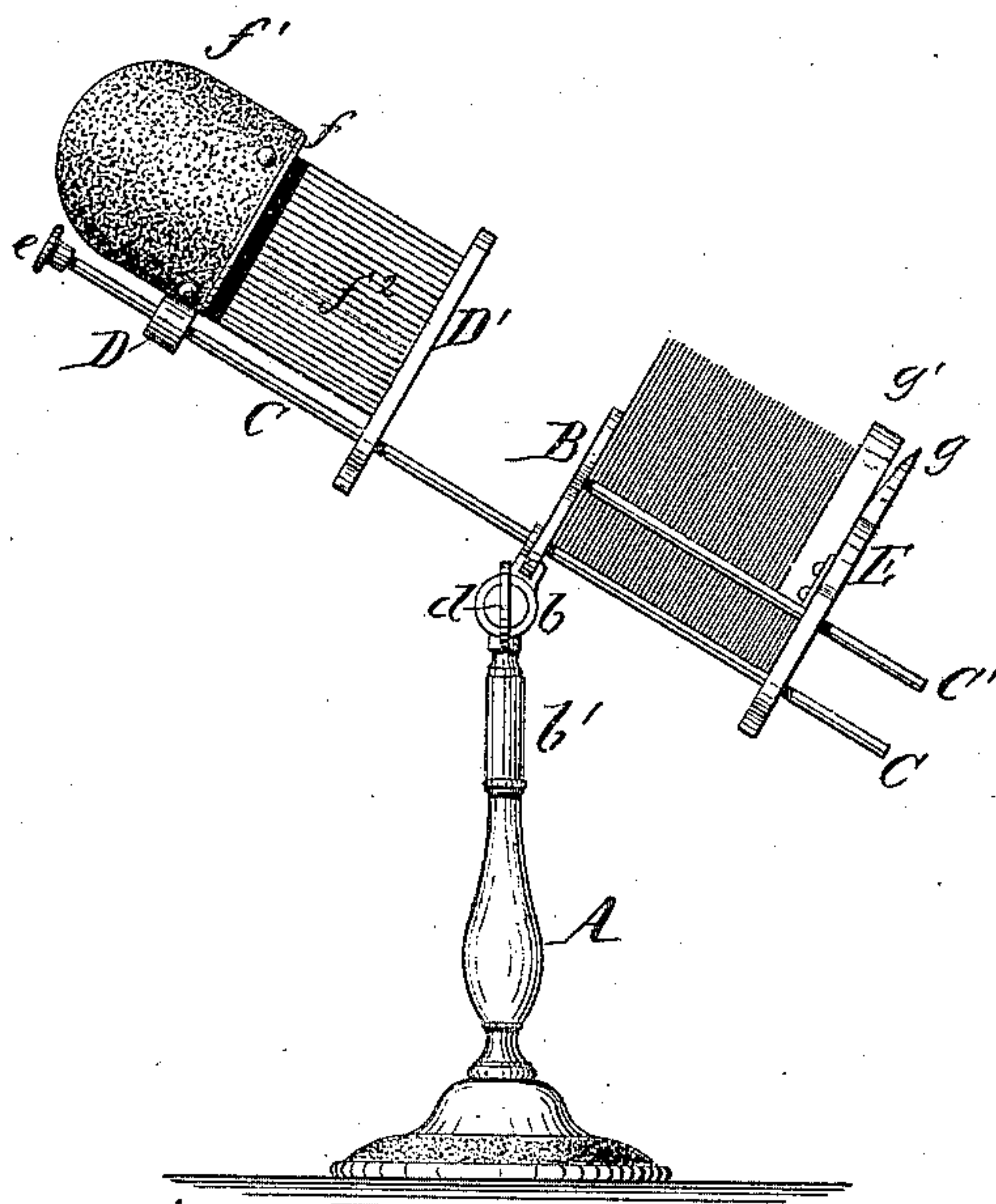
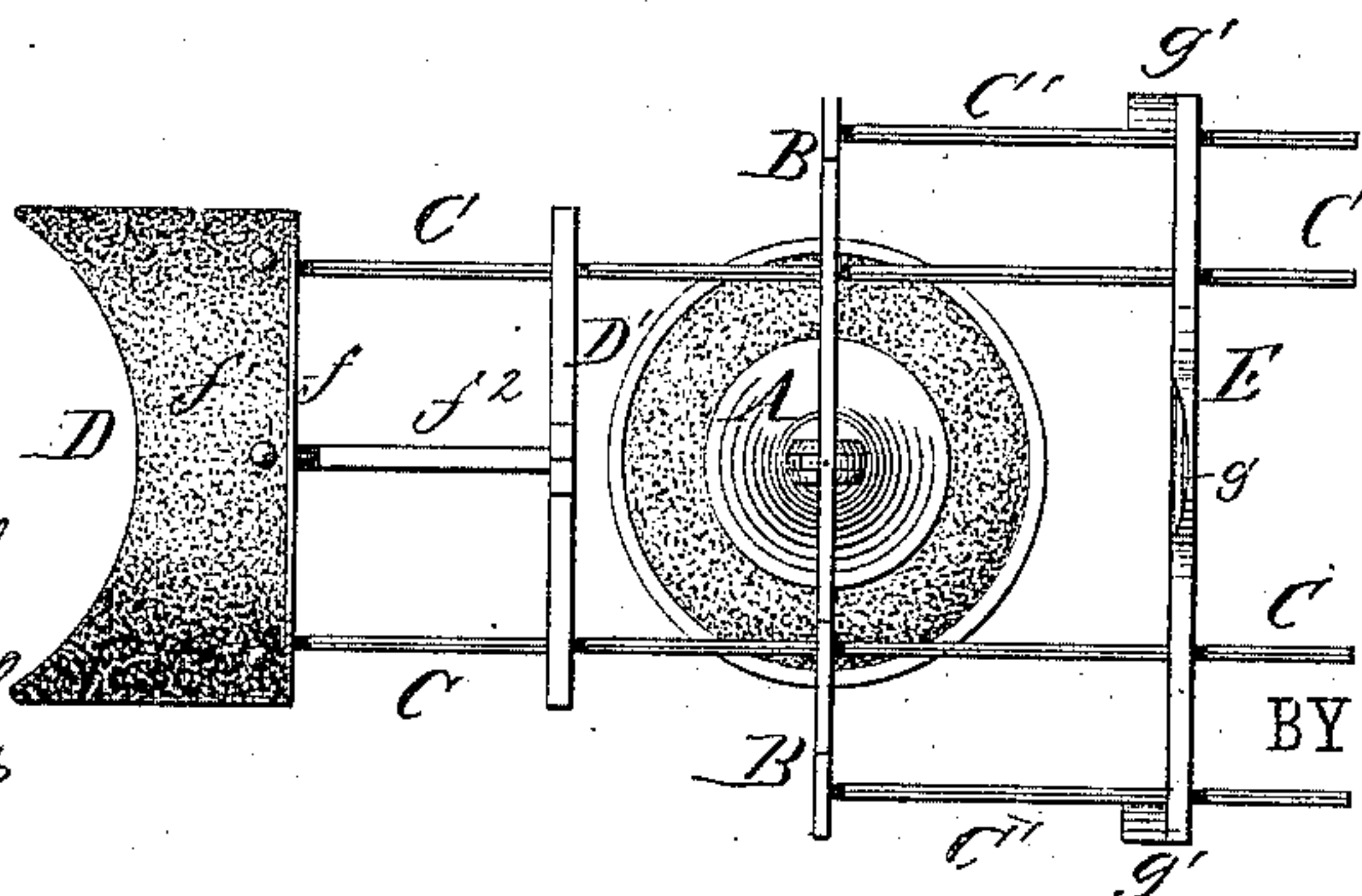


Fig. 3.

WITNESSES:
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STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 283,997, dated August 28, 1883.

Application filed April 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. GARTNER, of Jersey City, Hudson county, State of New Jersey, have invented certain new and useful
5 Improvements in Stereoscopes, of which the following is a specification.

This invention has reference to an improved stereoscope in which any desired number of pictures are stored on the same stand with the
10 glasses, so that they can be looked at without removing them and without requiring a separate case or receptacle for the same; and the invention consists of a stereoscope composed of a supporting-stand having a pivoted adjust-
15 able main piece provided with fixed longitudinal main rods, along which the glass-supporting frame is guided at one side of the main piece, while a sliding plate is arranged
20 back of the transverse main piece and guided along the fixed main rods and fixed auxiliary side rods of the main piece. The glass-supporting frame has a vertical partition-wall back of the glasses and a transverse cross-piece that is
25 also guided along the main rods. The sliding rear plate is beveled at its upper middle portion and provided with outwardly-curved guide-strips, so as to retain in connection with the transverse main piece and the main and
30 auxiliary rods any desired number of stereoscopic pictures.

In the accompanying drawings, Figure 1 represents a perspective view of my improved stereoscope; Fig. 2, a side elevation, and Fig. 3 a plan of the same.

35 Similar letters of reference indicate corresponding parts.

A in the drawings represents the supporting-standard of my improved stereoscope, and B the transverse main piece, which is pivoted
40 by a hinge-joint, *b*, to a socket, *b'*, that is connected detachably to the upper end of the stand A. The hinge-joint *b* is provided with a clamp-screw, *d*, so that the transverse main piece B may be set to different angles of inclination on the supporting-stand A. The trans-
45 verse main piece B is provided with fixed longitudinal main rods C C, that extend to a proper distance in front and back of the main piece B, the rods C C being provided at their front
50 ends with terminal knobs or buttons *e e*. In front of the main piece B is guided on the main rods C C the glass-supporting frame D,

which is composed of a frame, *f*, that surrounds the glasses, and that is provided with the usual hood, *f'*, of a vertical partition, *f''*,
55 that extends centrally between the glasses in a backward direction, and of a cross-piece, D', of inverted T shape, that extends transversely across the rear edge of the partition *f''*, and is guided like the frame *f* on the main rods C C.
60 The holes through which the main rods C C are passed are preferably lined with cloth, leather, or other suitable material, so as to exert a proper friction on the rods C C and adjust the glasses to the proper focus toward the
65 pictures. A number of pictures are supported back of the transverse main piece B, between it and an adjustable rear plate, E, which is guided on the fixed main rods C C and on auxiliary guide-rods C', that extend parallel to the
70 main rods C C, back of the main piece B, as shown in Figs. 1 and 3. The rear plate, E, is beveled at its upper and middle part, *g*, and provided at both sides with upwardly-flaring
75 guide-strips *g'*, that serve, in connection with the middle beveled portion, *g*, to readily guide the pictures into position immediately in front of the rear plate, E. By the friction of the
80 rear plate, E, with the main rods C C and the auxiliary rods C' the position of the rear plate, E, on the same is reliably secured, so that any number of pictures may be reliably supported
85 between the main piece B and the rear plate, E, on the main and auxiliary rods C' C'. After the glass-supporting frame has been adjusted to the proper focus on the guide-rods C C, one picture after the other is taken out from
90 its position immediately back of the main piece B and transferred to the rear part of the pack of pictures immediately in front of the rear plate, E. The beveled middle portion, *g*, and the curved side guides, *g'*, of the rear plate, E, facilitate the convenient insertion of the
95 pictures in front of the rear plate after each picture has been seen. By this arrangement the pictures are always supported by the stereoscope stand and frame, and do not require to be removed therefrom and stored up in a
100 separate box or receptacle. They are also more conveniently handled, one after the other, until the entire number has been seen and replaced directly in the storage-space at the rear part of the stereoscope, which feature forms the main part of this invention. For shipping,

the socket *b* of the transverse main piece B is detached from the stand, whereby the parts can be conveniently packed in a suitable box.

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

1. In a stereoscope, the combination, with a supporting-stand, of a transverse main piece, fixed main guide-rods extending forward and backward from the main piece, an adjustable
10 glass-supporting frame in front of the main piece, and an adjustable rear plate that forms, with the transverse main piece, main rods, and auxiliary rods, a support for the pictures, substantially as set forth.

15 2. The combination, in a stereoscope, with the transverse main piece B, fixed guide-rods C C, extending forward and backward from the main piece, of an adjustable glass-supporting frame D, composed of a glass-holding frame, *f*, vertical partition *f*², and transverse cross-
20 piece D', substantially as set forth.

3. The combination, in a stereoscope, with

an adjustable transverse main piece, B, of main guide-rods C C, auxiliary backwardly-extending rods C', an adjustable rear plate, E, that
25 forms, in connection with the main piece B and the guide-rods C C', a storage-receptacle for the pictures, substantially as set forth.

4. In a stereoscope, the combination, with a transverse main piece, B, having forward and
30 backwardly extending guide-rods C C and auxiliary backwardly-extending rods C' C', of a transverse rear plate, E, having a beveled middle portion, *g*, and upwardly-extending and outwardly-bent side guide-pieces, *g*', sub-
35 stantially as specified.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHARLES A. GARTNER.

Witnesses:

CARL KARP,
SIDNEY MANN.