

No. 658,681.

Patented Sept. 25, 1900.

F. J. SCHLEICHER.
PAPER BOX.

(Application filed Mar. 1, 1900.)

(No Model.)

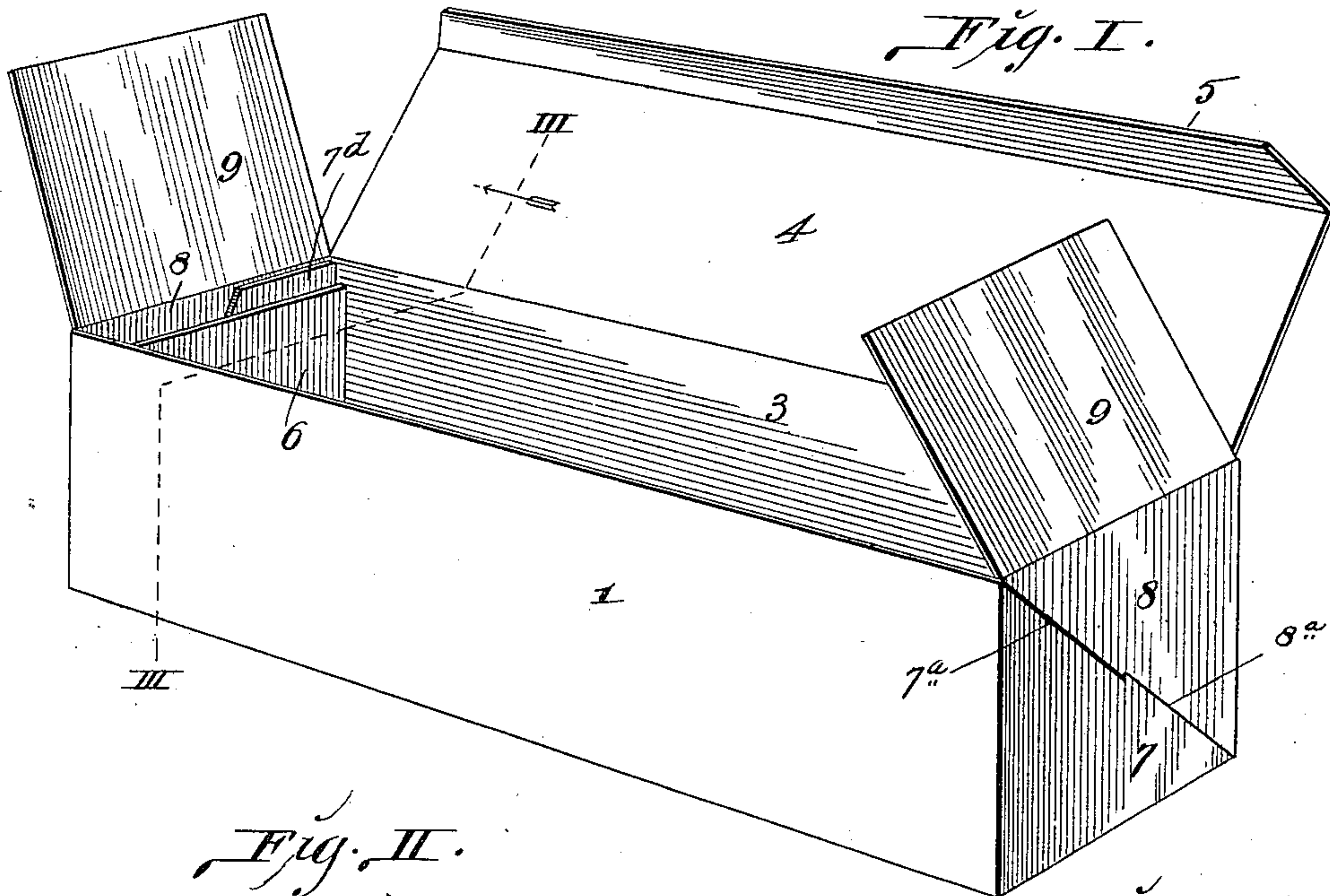


Fig. II.

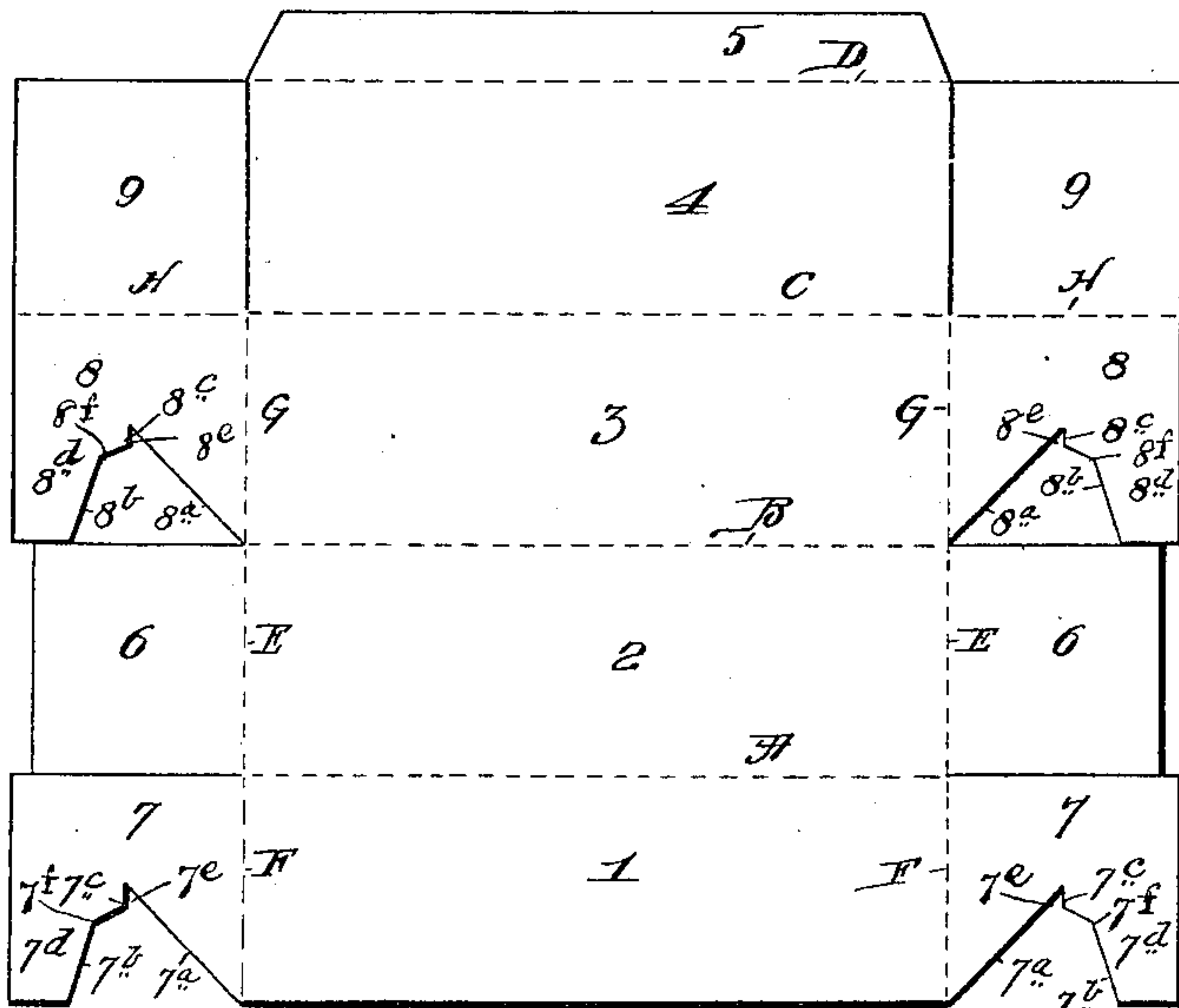


Fig. III.

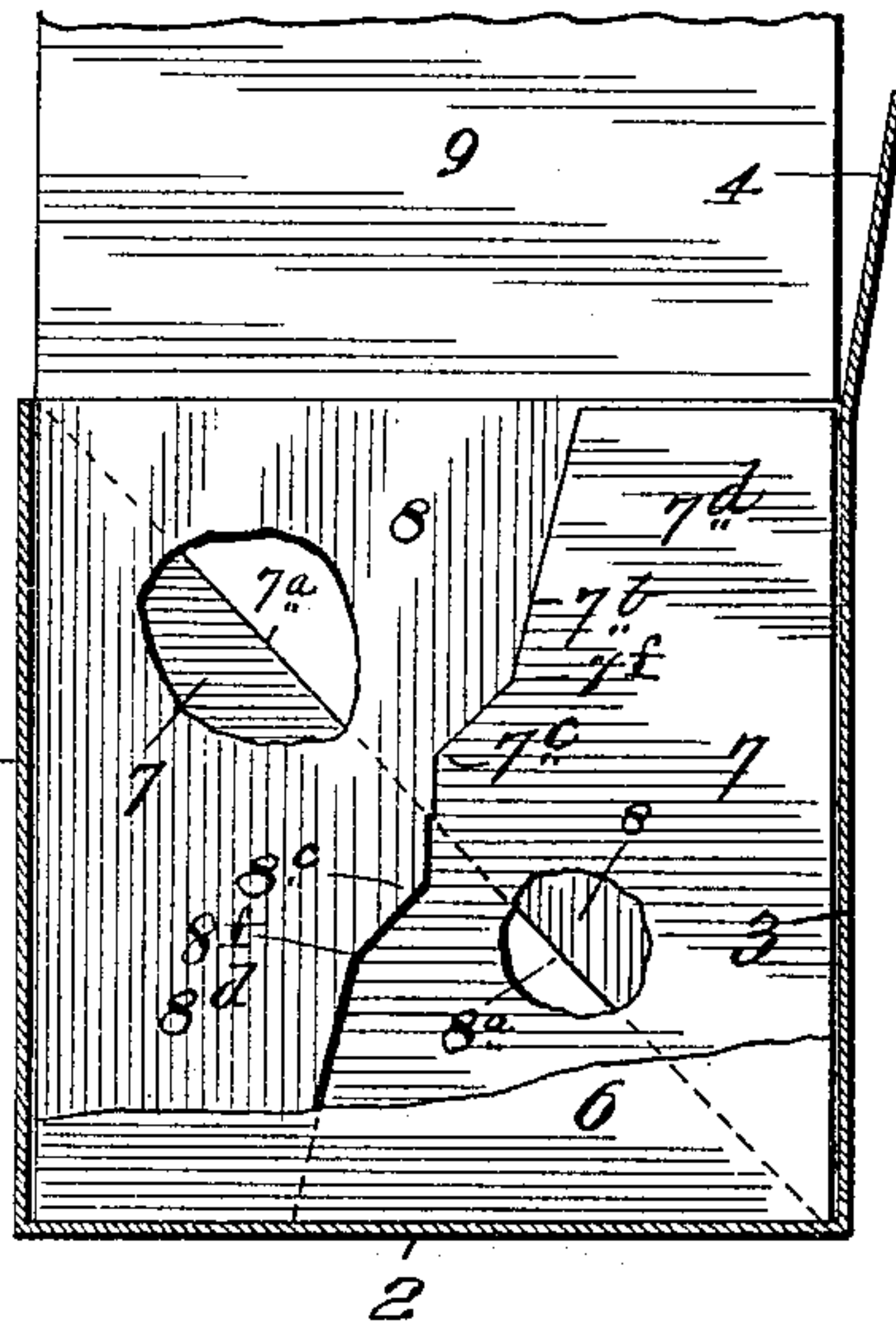
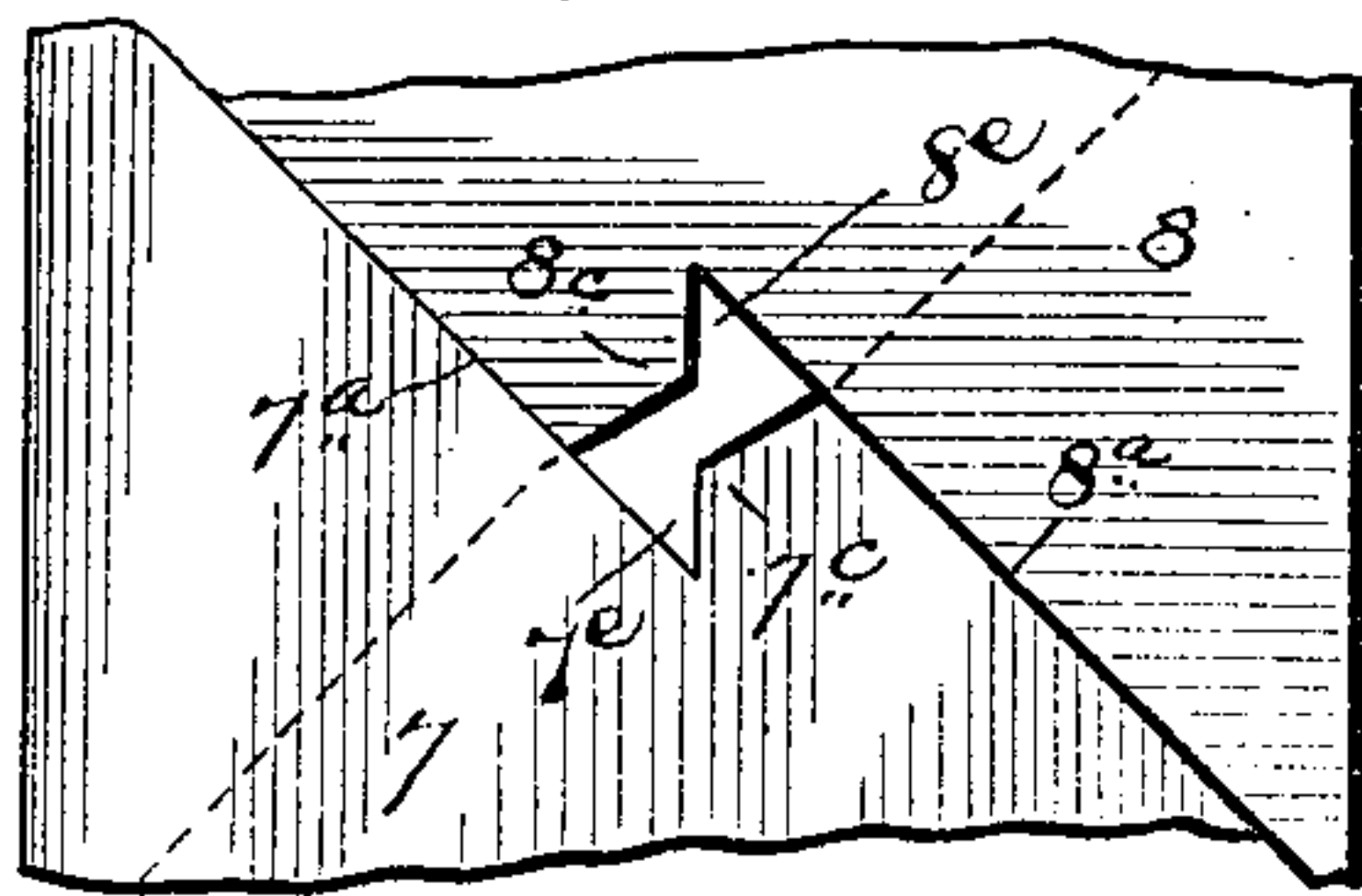


Fig. IV.



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UNITED STATES PATENT OFFICE.

FRANK J. SCHLEICHER, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE ST. LOUIS PAPER BOX COMPANY, OF SAME PLACE.

PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 658,681, dated September 25, 1900.

Application filed March 1, 1900. Serial No. 6,895. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. SCHLEICHER, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have
5 invented certain new and useful Improvements in Paper Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 My invention relates to a knockdown folding paper box in which the box body and cover are formed from a single blank.

My invention consists in features of novelty hereinafter fully described, and pointed out
15 in the claims.

Figure I is a perspective view of my improved box in open position. Fig. II is a view of the prepared blank unfolded. Fig. III is a
20 cross-sectional view of the box, taken on the line III III, Fig. I. Fig. IV is an enlarged detail end view of the central parts of the end flaps, showing the locks thereof.

The box is constructed of a blank cut and scored as illustrated in Fig. II. 1, 2, and 3
25 designate, respectively, the front-wall, bottom-wall, and rear-wall sections of the box adapted to be bent on the scored lines A and B. The cover 4 is bent from the section 3 on the scored line C and is provided with a flap
30 5, bent therefrom on the scored line D.

6 are end flaps bent from the bottom section 2 on the scored lines E, these end flaps being designed to be folded into the interior of the box and to serve as inner end walls, as seen
35 at the left-hand end of Fig. I. The front-wall section 1 has bent from it on the scored lines F the interlocking end flaps 7, severed from the end flaps 6, and the rear-wall section 3 has bent from it on the scored lines G
40 the interlocking end flaps 8, severed from the end flaps 6, which are adapted to be brought into interlocked position with the end flaps 7 in the manner to be explained. The interlocking end flaps 7 and 8 are respectively
45 provided with notches formed with inclined edges 7^a 7^b and 8^a 8^b. Interposed between the inclined edges 7^a 7^b are angular lips 7^c, providing an inner deep notch 7^e and an outer shallow notch 7^f, and interposed between the
50 inclined edges 8^a and 8^b are angular lips 8^c,

providing an inner deep notch 8^e and an outer shallow notch 8^f.

When the box-blank is folded to form the box, the end flaps 6 are first bent upwardly from the bottom section 2 on the scored lines E. 55 Then the sections 1 and 3 are bent upwardly on the scored lines A and B, bringing them into upright positions. The interlocking end flaps 7 and 8 are then bent inwardly on the scored lines F and G and are brought together, and their legs 7^d and 8^d enter the
60 notches of the opposing flaps, as seen in Figs. I, III, and IV. When the interlocking flaps 7 and 8 are brought together, the lips 7^c and 8^c approach each other, and their upright
65 straight edges come into close contact with each other, so that when the interlocking flaps are fully presented into close relation the lips bind them in close engagement with each
70 other and prevent any slippage of the interlock between the assembled flaps, for the reason that the inner deep notch 7^e of one flap interlocks with the inner deep notch 8^e of the other flap, and the outer shallow notch 7^f of one flap interlocks with the outer shallow
75 notch 8^f of the other flap.

9 indicates auxiliary end cover-flaps severed from the cover-section 4 and bent from the interlocking flaps 8 on the scored lines H. When
80 the box is put together, as described, these auxiliary end cover-flaps fold downwardly and inwardly to inclose the box contents at the ends of the box, and the cover-section 4 is thrown forwardly and its flap 5 inserted into the box back of the front-wall section 1. 85

I claim as my invention—

1. A blank for boxes comprising a front part having end flaps, each formed with an upwardly-extending notch having inclined edges and an angular lip projecting inwardly across
90 the notch at the inner end thereof providing an inner deep notch and an outer shallow notch, a bottom part, a back part having end flaps, each formed with an upwardly-extending notch having inclined edges and an angular
95 lip projecting inwardly across the notch at the inner end thereof providing an inner deep notch and an outer shallow notch, and a cover part.

2. A box comprising a front part having end 100

flaps each formed with an upwardly-extending notch having inclined edges and an angular lip projecting inwardly across the notch at the inner end thereof providing an inner
5 deep notch and an outer shallow notch, a bottom part, a back part having end flaps each formed with an upwardly-extending notch having inclined edges and an angular lip projecting inwardly across the notch at the inner
end thereof providing an inner deep notch 10 and an outer shallow notch, and interlocking with the angular lip of the adjacent flap, and a cover part.

FRANK J. SCHLEICHER.

In presence of—
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