

(No Model.)

W. G. RUGE.
FOLDING EGG CASE.

No. 298,237.

Patented May 6, 1884.

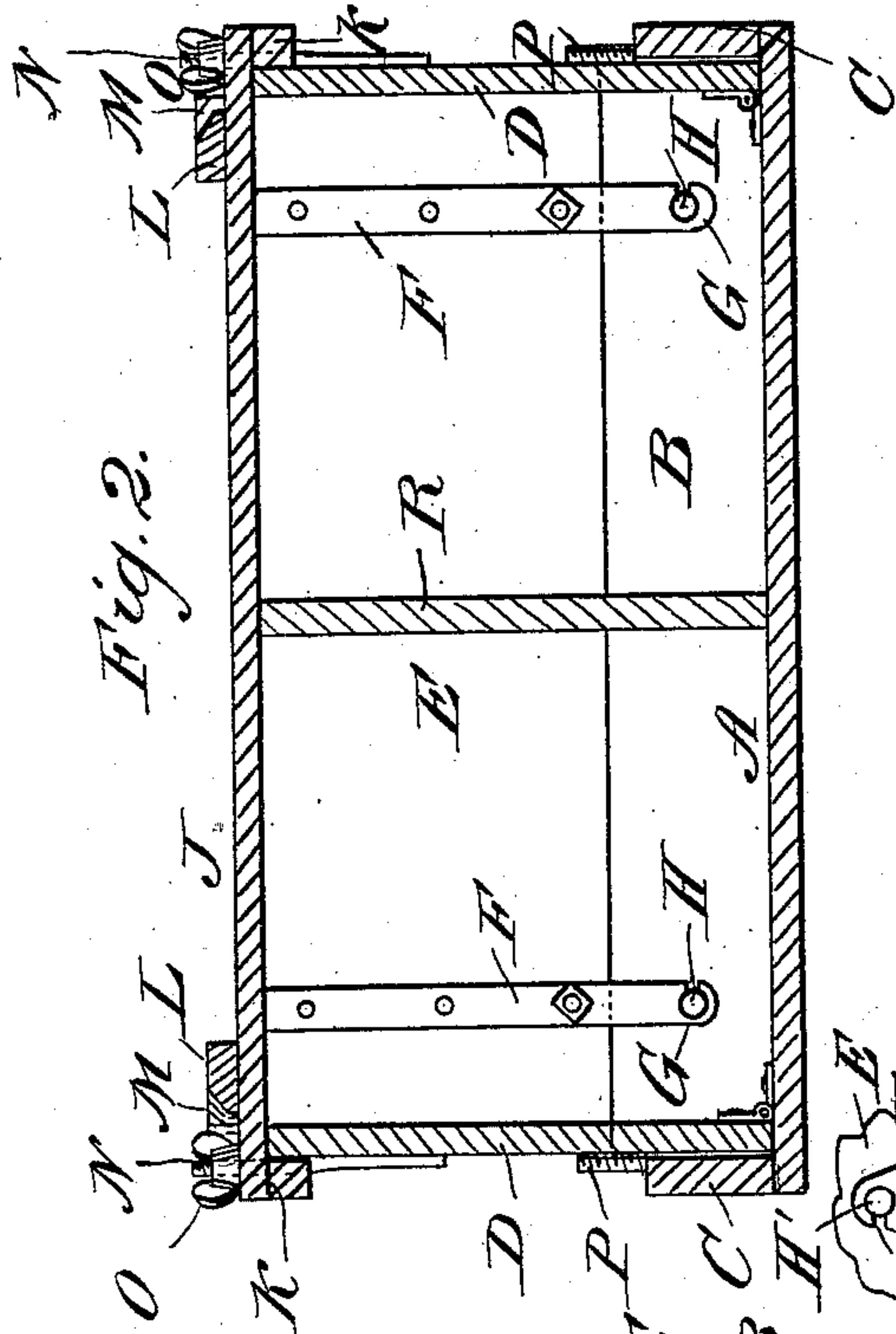


Fig. 1.

WITNESSES

Dom Twitchell.

C. Sedgwick

Fig. 4.

Fig. 5.

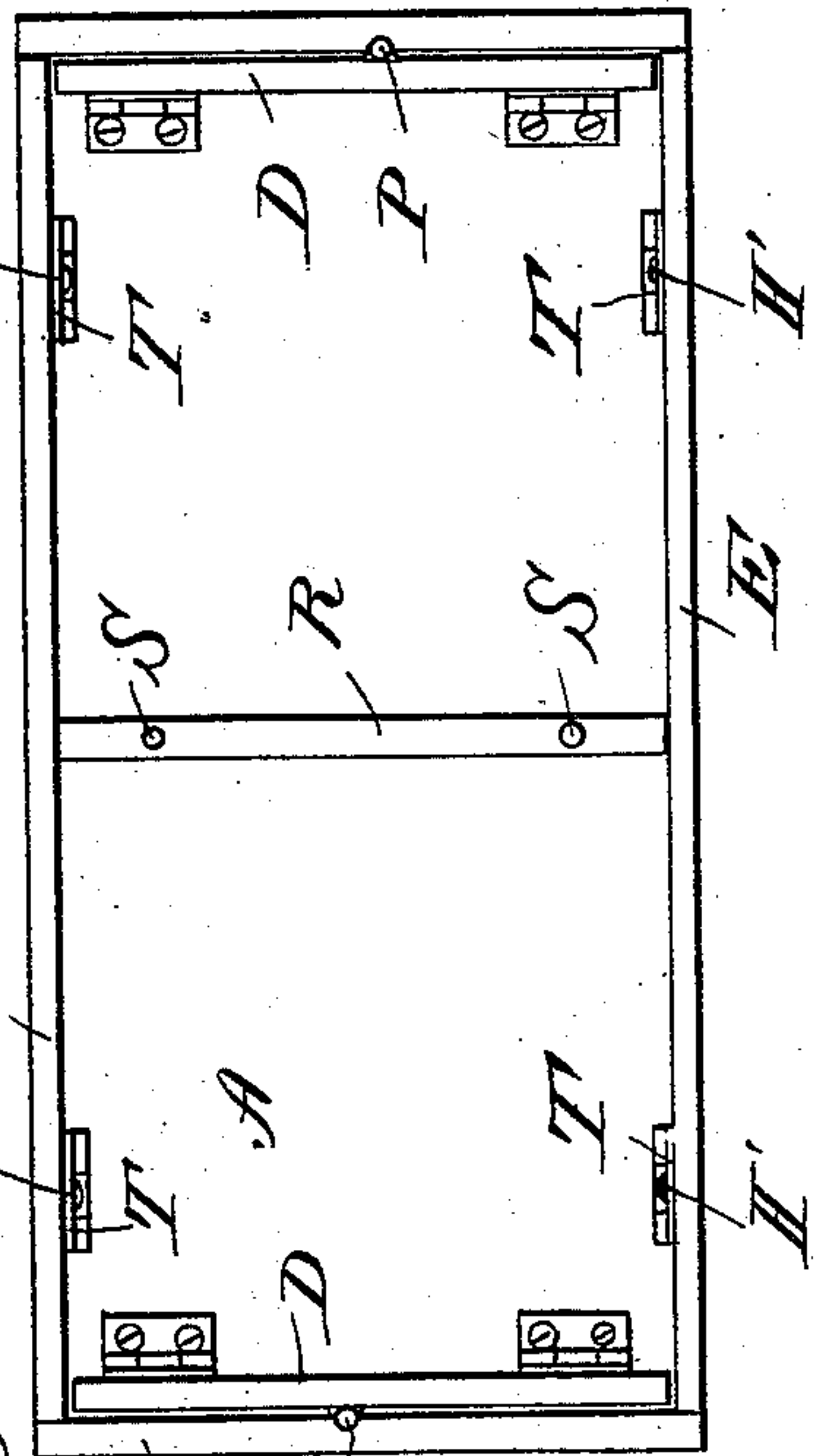
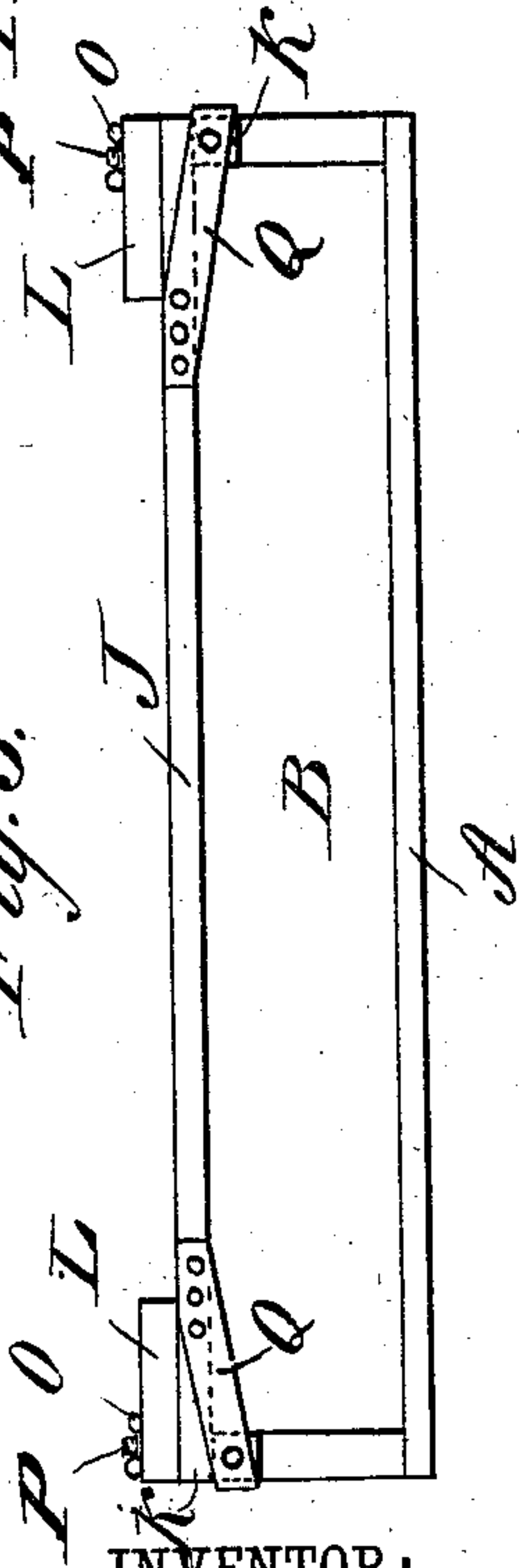


Fig. 3.



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WILLIAM G. RUGE, OF WASHINGTON, MISSOURI.

FOLDING EGG-CASE.

SPECIFICATION forming part of Letters Patent No. 298,237, dated May 6, 1884.

Application filed October 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. RUGE, of Washington, in the county of Franklin and State of Missouri, have invented a new and Improved Folding Egg-Case, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved egg-case which can be folded very compactly when not in use, so as to occupy very little space while being returned to the shipper.

The invention consists in various parts and details and combinations of the same, as will be fully described, and set forth in the claims hereinafter.

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 perspective view of my improved folding egg-case. Fig. 2 is a longitudinal sectional elevation of the same. Fig. 3 is a longitudinal elevation of the same, showing it folded. Fig. 4 is a plan view of a modification, showing it erected, the cover being removed; and Fig. 5 is a detail view of the hinge-joint of the sides in Fig. 4.

To the bottom A two side boards, B, are fastened, by nails or otherwise, at the longitudinal edges, and two end boards, C, at the end edges, the side boards, B, being slightly higher than the end boards, C. Ends D are hinged to the bottom A in such a manner that they can be folded down on the same, and when the ends D are raised their outer surfaces rest against the inner surfaces of the end boards, C. Sides E rest on the upper edges of the side boards, B, and are of such height that when they rest on side boards, B, their upper edges will be in the same plane as the upper edges of the ends D when the same are raised. Bars F are secured to the inner surfaces of the sides E and project below the edges of the same, and have hooks G formed on their lower ends, which hooks catch on studs H, projecting from the inner surface of the side boards, B, whereby the sides E are held on the side boards, B. The cover J is provided at each end with a cleat, K, which projects below the surface of the cover, the cleats being so arranged that they project beyond the outer surface of the ends D when the said ends are

raised. On each end of the cover J a cross-plate, L, is secured on the upper surface, which end plates are each provided with semicircular notches or recesses M. Screw-pins N are secured to the ends D in such a manner that they project from the upper edges of the same, the cover J and the cleats K being provided with holes, through which the said screw-pins can pass. On the said screw-pins N winged nuts O can be screwed. Pins P also project from the upper edges of the end boards, C. Braces Q are secured to the side edges of the cover J, and are inclined outward and downward, and are secured on the ends of the cleats K, which braces, when the cover J is on the box, pass over the upper corners of the outer surfaces of the sides E, and thus prevent lateral displacement of the case. A central transverse partition, R, may be provided in the box, which partition is provided on its upper surface with dowel-pins or studs S, adapted to pass into apertures in the cover.

In the modification shown in Figs. 4 and 5 the hooked bar F is dispensed with, and in place of the same a hook-hinge, T, is provided, which is constructed with a bottom part, T', and a top part, T'', which top part is provided with a notch, h, forming a hook, into which a stud, H', can be passed. The part T' is secured to the inner surface of the side board, B, and the stud H' is secured to the inner surface of one of the sides E. The sides E can then be swung down into the base-section formed of the bottom A, the end boards, C, and the side boards, B; or the sides E can be removed entirely by withdrawing the studs H' from the notches h.

If the box is to be filled with eggs, the ends D are swung upward and the sides E are held on the side boards, B, by means of the hook-bars F G and the studs H. The cover J is then placed on the box, the screw-pins N passing through the apertures in the cover, and then the cover is screwed down tightly on the box by means of the winged nuts O. If the box is to be folded for returning it, the cover is removed, the ends D are swung down, the sides E are removed and placed on the folded ends D, and the cover J is placed on the side boards, B, and the end boards, C, the screw-pins P projecting from the end boards, C, and passing through the holes in the cover. Then the cover

is screwed down on the side boards, B, and the end boards, C, by means of the winged nuts O, as shown. The side boards, B, must be higher than the end boards, C, on account of the cleats K projecting below the surface of the cover.

I may in practice substitute for hinges T common hinges fixed to side parts, B E, to allow parts E to fold down only; and I may also connect the nuts O to the cover J by a wire entering an annular groove of the nut and secured within recess M, so as to allow free use of the nuts and avoid their loss from the case.

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

1. In a folding egg-case, the combination, with the bottom section, from the ends of which screw-pins project, of hinged ends, removable sides, and a cover having holes for the screw-pins, which hinged ends have screw-pins projecting from their upper edges, substantially as herein shown and described, and for the purpose set forth.

2. In a folding egg-case, the combination, with the bottom A, the side boards, B, and the end boards, C, of the sides E, having hook-bars

F, and the studs or pins H on the inner surface of the side boards, B, of the ends D, and the cover J, substantially as herein shown and described, and for the purpose set forth.

3. In a folding egg-case, the combination, with the bottom A, the side boards, B, and the end boards, C, of the screw-pins P, projecting from the end boards, C, removable sides E, having hook-bars F, the studs H projecting from the inner surface of the side boards, B, the hinged ends D, provided with projecting screw-pins N, the apertured cover J, and the winged nuts O, substantially as herein shown and described, and for the purpose set forth.

4. The combination, with the box, of the cover J, the cleats K, and the inclined braces Q, secured to the side edges of the cover at the ends, and secured to the ends of the cleats, substantially as herein shown and described, and for the purpose set forth.

WM. G. RUGE.

Witnesses:

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JOSEPH STAMM.