

(No Model.)

2 Sheets—Sheet 1.

G. F. RUBY.  
CABINET FURNITURE.

No. 535,509.

Patented Mar. 12, 1895.

Fig. 2.

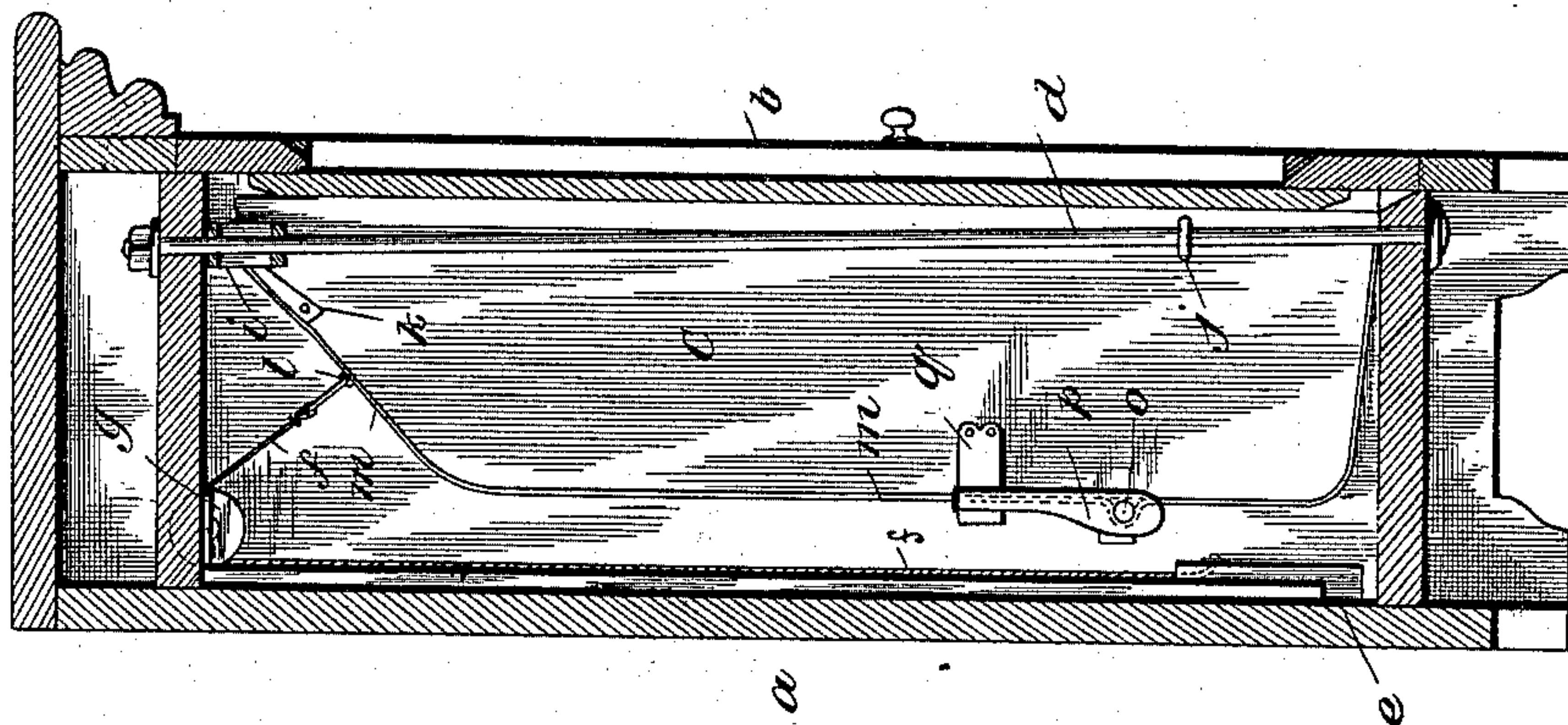
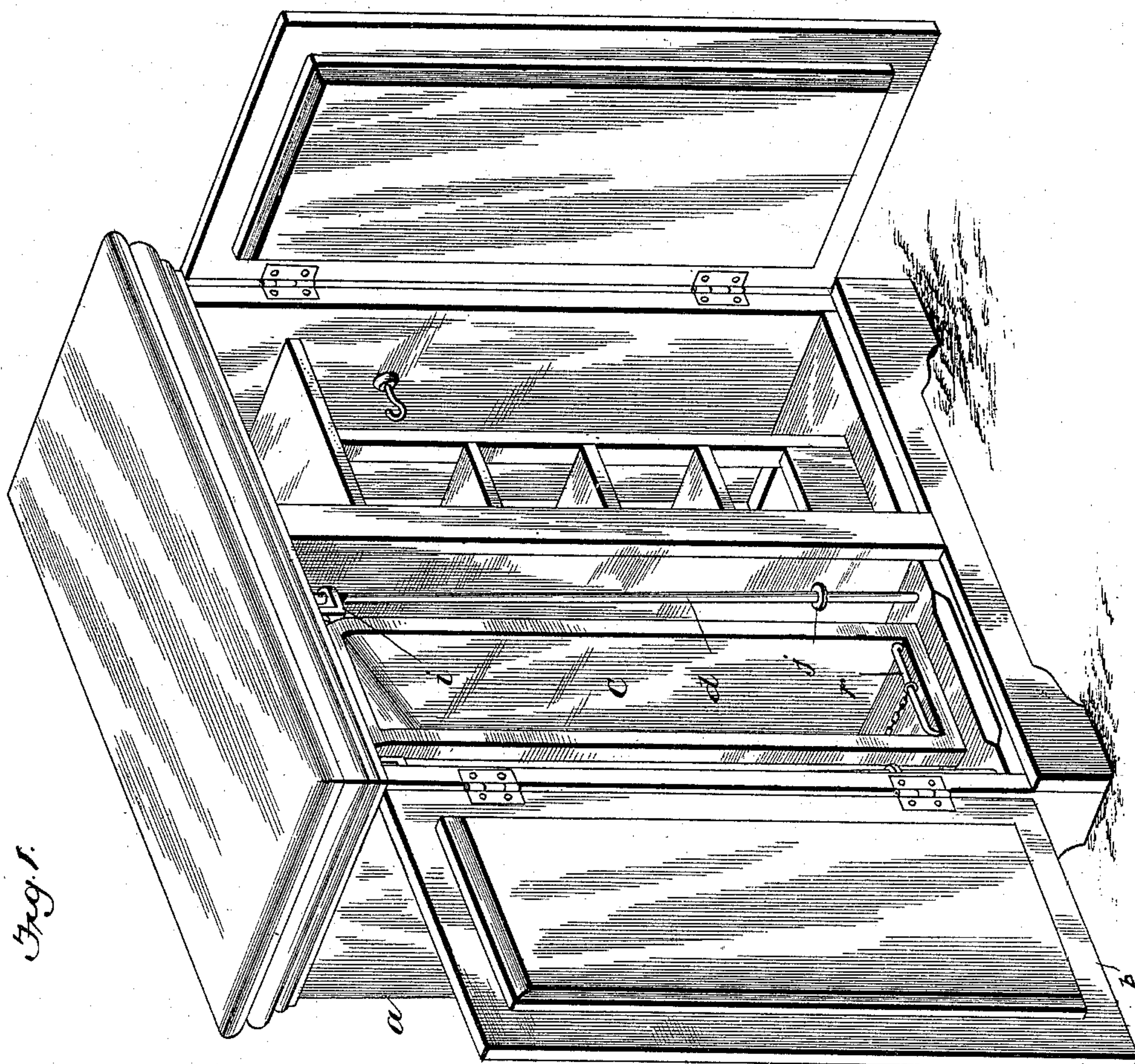


Fig. 1.



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*Ken. O. E. ...*  
Attorney



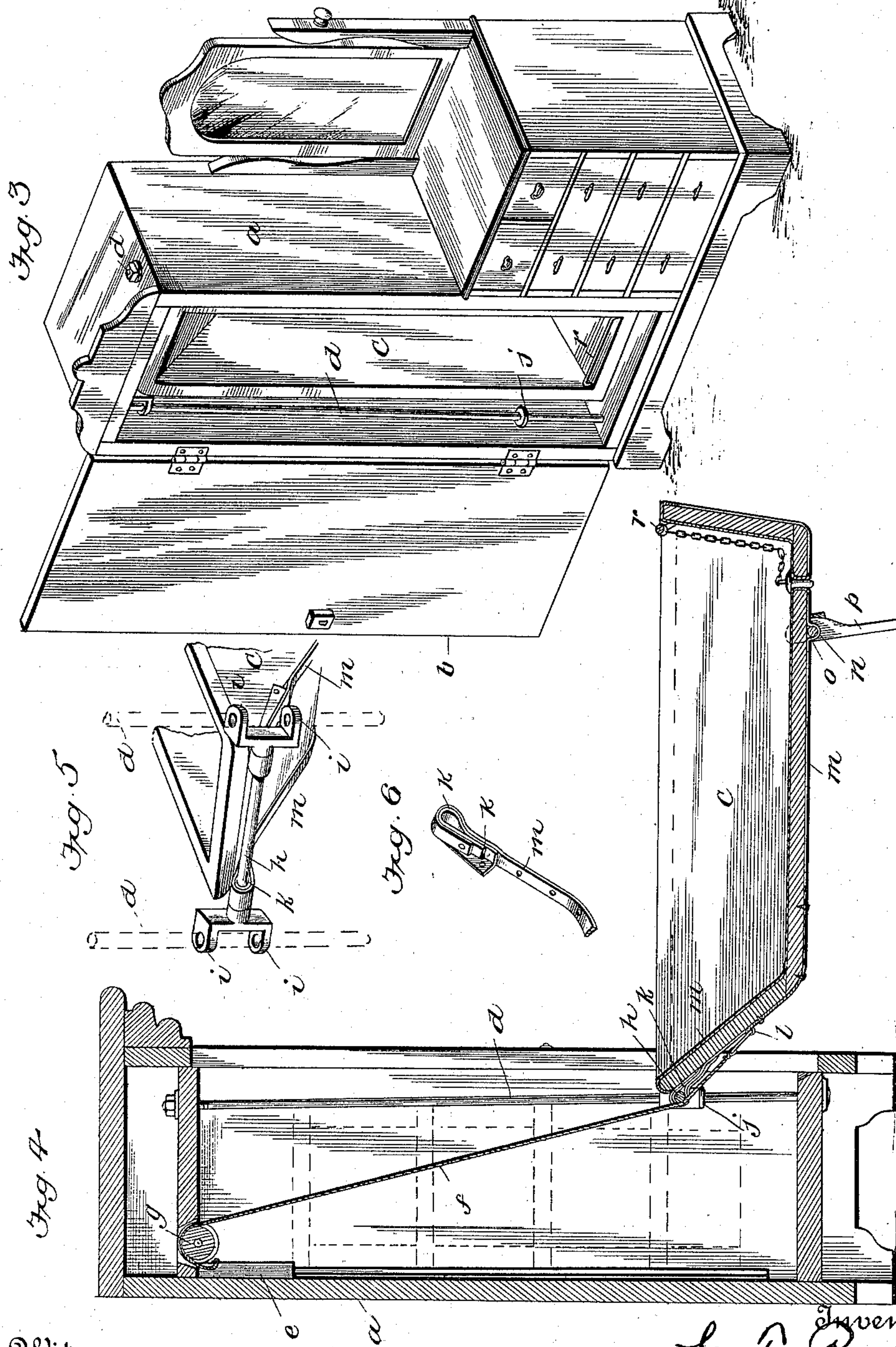
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Witnesses  
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# UNITED STATES PATENT OFFICE.

GABRIEL F. RUBY, OF SPRINGFIELD, OHIO.

## CABINET FURNITURE.

SPECIFICATION forming part of Letters Patent No. 535,509, dated March 12, 1895.

Application filed October 4, 1893. Serial No. 487,142. (No model.)

*To all whom it may concern:*

Be it known that I, GABRIEL F. RUBY, of Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Cabinet Furniture; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in furniture for domestic purposes and more particularly to a combined bathing apparatus and wardrobe or bureau.

The object of the invention is to provide a portable bathing apparatus for household purposes combined with an article of furniture, and arranged with a sliding tub that is normally entirely inclosed and can be easily lowered to operative position.

A further object of the invention is to provide an article of household or bed room furniture, such as a wardrobe, cheval or the like, with a vertical bath tub case arranged to entirely inclose a sliding bath tub and permit the same to be lowered to operative position when desired.

A further object of the invention is to provide an improved bathing apparatus comprising a vertically slidable bath tub having suitable counter-weight mechanism, and a case to entirely inclose the same when the tub is raised and out of operative position.

The invention consists in certain novel features of construction and in combination of parts more fully pointed out and particularly described hereinafter.

Referring to the accompanying drawings: Figure 1, shows in perspective a wardrobe provided with the improved bathing apparatus, the doors of the wardrobe being shown open. Fig. 2, is a vertical sectional view through the inclosing case of the bath tub apparatus, the bath tub being shown in its raised position. Fig. 3, is a perspective view showing the cheval or bureau provided with a case for the improved bath apparatus, the door of the case being shown open. Fig. 4, is a vertical sec-

tional view through the case of the bathing apparatus, showing the tub lowered to its operative position. Fig. 5, is a detail perspective view showing the inner end of the tub, and a sliding support carrying the same. Fig. 6, is a detail view showing one of the hinges and the securing straps mounting the tub on the slide support.

In the drawings the reference letter *a*, indicates a vertical case suitably constructed with top, bottom and sides and open at the front. The door *b*, is provided to normally close said opening. If desired the case can be formed with a double top so that the securing device or parts hereinafter mentioned that project through or above the top will be covered.

*c*, indicates the bath tub of any suitable construction and of any size desired.

The case is provided with longitudinal slide or guide rods *d*, located on opposite sides and at the front portion of the case and secured rigidly and firmly in the top and bottom thereof in any suitable manner. These rods incline inwardly and upwardly, as shown, so that their upper ends are located farther inward than their lower ends as and for the purpose hereinafter set forth. At a suitable distance above their lower ends these rods are provided with rigid strong supporting shoulders, or the like, *j*. *h*, indicates a sliding support extending between said rods and having the forked or double heads or arms *i*, loosely embracing or confined on the rods and arranged to slide vertically lengthwise thereof.

The upper portion of the inner end of the tub is loosely joined to the sliding support *h*, by means of hinges formed by straps *k*, of strong material, each at one end secured rigidly to the end of the tub and passed loosely around the support *h*, and at their opposite ends secured rigidly to the tub.

The hinges *k*, are reinforced and strengthened by means of the strong metallic straps *m*, secured to the end of the tub and passed up around the hinges *k*, and from thence down the end of the tub and throughout the length thereof. These straps are rigidly secured at various points so as to most firmly support the tub from said hinges and prevent the hinges weakening or becoming loose as it



would be necessary to break or pull loose the entire fastenings of the straps before the hinges would give.

Near the outer end of the tub the straps *m*,  
5 are looped down to form the eyes *n*. These eyes form a bearing for the legs *p*, that uphold the outer end of the tub when in operative position. Spring catches *q*, can be provided to hold the legs swung up when out of  
10 use.

When the tub is lowered in operative position the heads *i*, of the support rest on the shoulders *j*, thereby supporting the inner end of the tub in the desired position while the  
15 outer end thereof is supported by the legs *p*.

Suitable counter-weight mechanism is provided for the tub and consists of a weight or weights *e*, and a flexible connection *f*, passed up over a pulley *g*, and then down and attached to the inner end of the tub at *l*, at or  
20 about the center thereof. A suitable way can be provided in the back of the case for the counter-weight *e*.

The outer end of the tub is provided with a  
25 suitable handle such as *r*.

In operation, the person operating the tub opens the door *b*, and draws out the lower end of the tub by means of the handle *r*. This operation permits the inner end of the tub to  
30 move down supported by the sliding support until the support rests on the shoulders *j*. The operator then swings down the legs *p*, and the tub is in operative position ready for use.

35 When it is desired to inclose the tub and return it to its normal position, the operator folds up the legs *p*, and pushing inwardly on the tub causes the support to slide upwardly and inwardly on the rods *d*, carrying the inner  
40 end of the tub upwardly while the outer end thereof swings inwardly until the tub assumes the vertical position in the case as shown in Figs. 2 and 3 with the inner end up and the lower end down.

45 The tub is so counter-balanced as to move readily and easily requiring very slight exertion on the part of the operator. The movement of the sliding support is facilitated by the inward and upward inclination of the  
50 rods which permits the slide to move quickly and easily without jamming.

This improved bathing apparatus can be combined with various articles of furniture and in Fig. 1, I show a wardrobe provided  
55 with the bath tub case in one side thereof, and in Fig. 2, I show a cheval or bureau having the case on one side thereof.

If desired this improved bathing apparatus can be located in a closet.

Any suitable means not here shown can be  
60 provided to supply the tub with water when down and to draw the water from the tub and discharge it.

Many and great advantages are attained by this peculiar construction as the tub is  
65 entirely inclosed and out of the way when out of use and forms a part of a most useful article of furniture that is an ornament to any room and does not take up much space. The tub is easily operated and requires but slight  
70 exertion to raise or lower it.

When the tub is in operative position no parts of the furniture that are ordinarily exposed to view are so located as to become wet by the splashing water and when the tub is  
75 raised it is entirely inclosed and in such position that the moisture can drain therefrom.

It is evident that various changes might be made in the forms, arrangements and construction of parts described without departing  
80 from the spirit and scope of my invention. hence I do not wish to limit myself to the exact construction herein shown but consider myself entitled to all such changes that fall within the spirit and scope of my invention. 85

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In combination, a sliding support, guides therefor, a vertically movable tub, metal straps  
90 passed loosely around the support and secured to the tub longitudinally thereof, and the reinforcing metal straps secured to the tub and passed around said support over the first mentioned straps, substantially as described. 95

2. The combination of the case having the vertical compartment open at the front, the guide rods on opposite sides of the front of the compartment inclined upwardly and inwardly and having the stop shoulders at their  
100 lower portions, the cross bar between said rods having the forked heads sliding thereon, the bath tub at the upper portion of its inner end loosely joined to said cross bar to move bodily therewith as set forth, and a counter-weighted  
105 mechanism attached to the inner end of the tub.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GABRIEL F. RUBY.

Witnesses:

HUBERT E. PECK,  
C. M. WERLÉ.