

No. 744,489.

PATENTED NOV. 17, 1903.

J. CLAYTON.
SHOW CASE.

APPLICATION FILED JUNE 11, 1903.

NO MODEL.

2 SHEETS—SHEET 2.

Fig. 2.

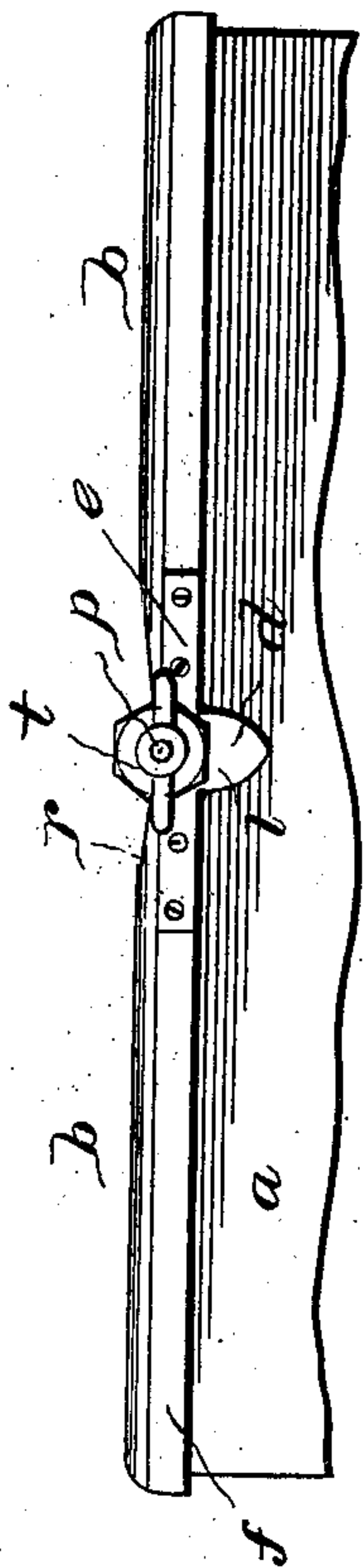


Fig. 3.

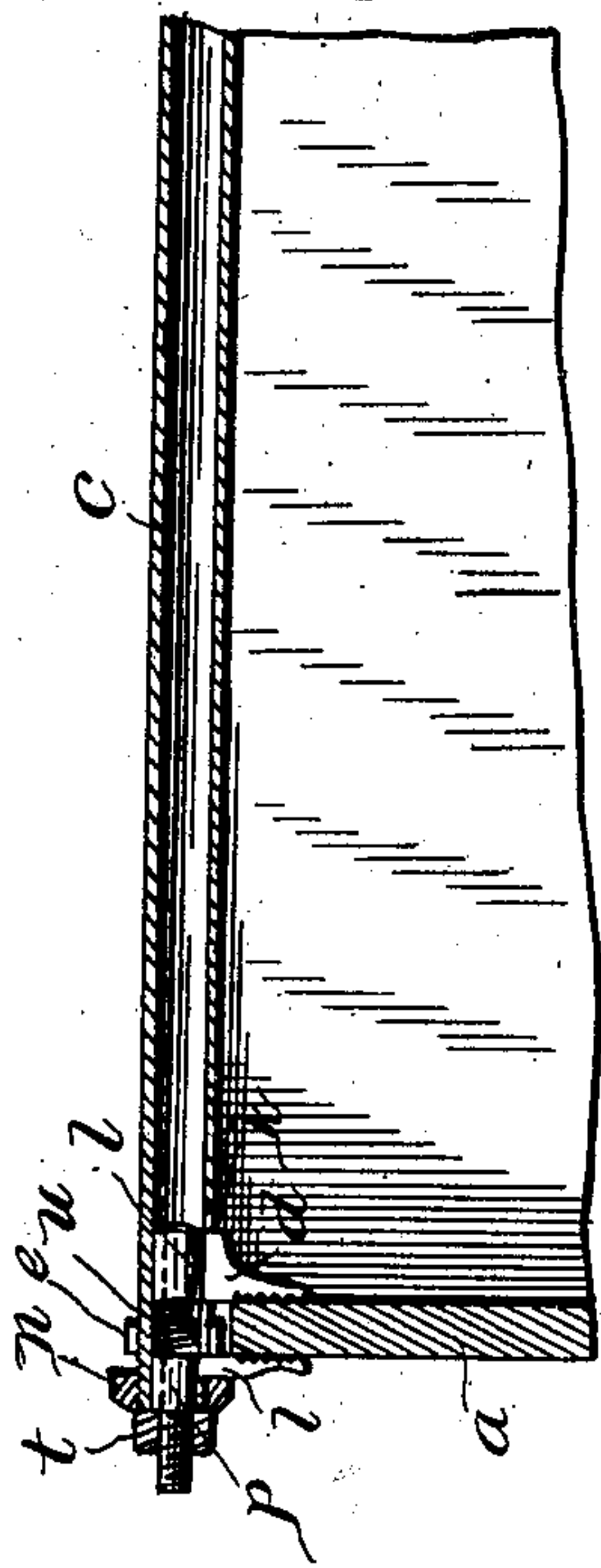


Fig. 4.

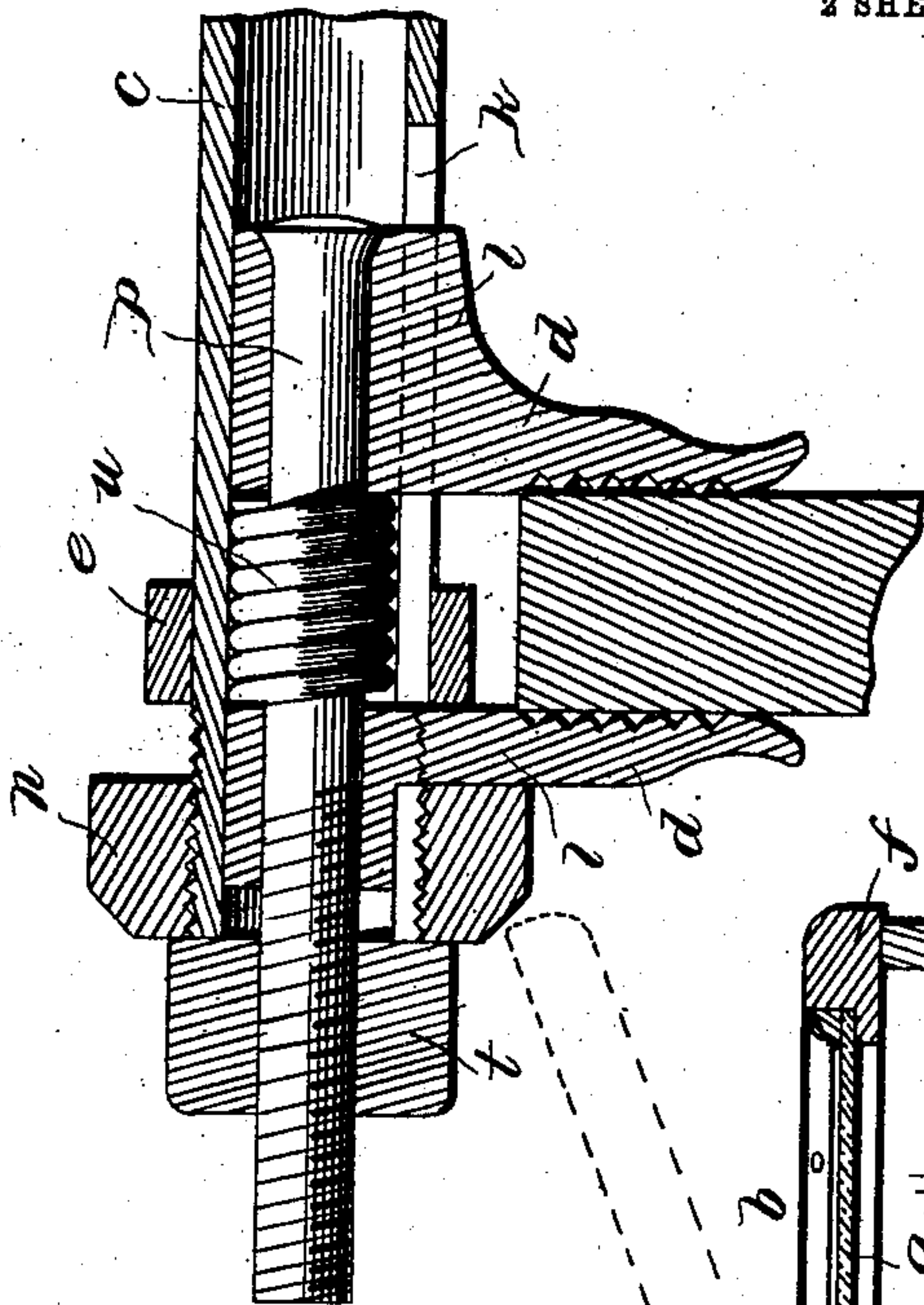
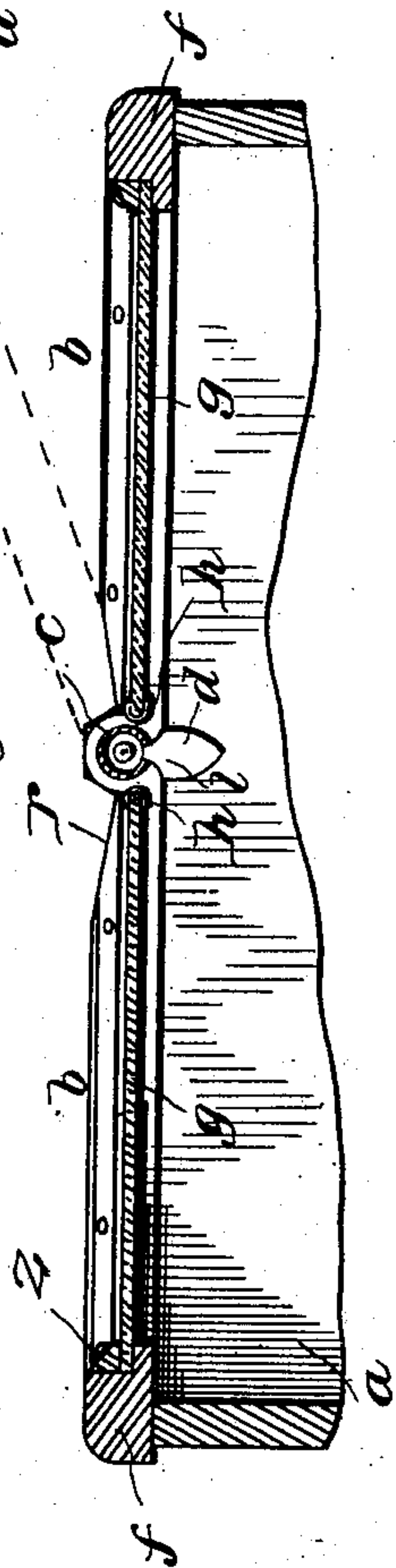


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN CLAYTON, OF MINNEAPOLIS, MINNESOTA.

SHOW-CASE.

SPECIFICATION forming part of Letters Patent No. 744,489, dated November 17, 1903.

Application filed June 11, 1903. Serial No. 161,090. (No model.)

To all whom it may concern:

Be it known that I, JOHN CLAYTON, a citizen of the United States, and a resident of Minneapolis, in the county of Hennepin and State of Minnesota, have made a certain new and useful Invention in Show-Cases; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a plan view of my cover for show-cases. Fig. 2 is a side view of the upper portion of the same. Fig. 3 is a section on the line 3 3, Fig. 1. Fig. 4 is a sectional detail view. Fig. 5 is a section on the line 5 5, Fig. 1.

The invention relates to cover attachments for boxes and cases, designed chiefly to facilitate the use of ordinary packing-boxes for the exposition and sale of goods. In this way an ordinary box of transportation, such as a cracker-box, can be utilized in a store as a show-case, the cover attachment serving to keep out dust, to facilitate handling the goods, and to give the box a neat and tasteful appearance.

The invention consists in the novel construction and combinations of parts, as hereinafter described.

In the accompanying drawings, illustrating the invention, the letter *a* designates an ordinary box or case from which the top has been removed.

b b designate two glazed wings or cover-leaves, which are hinged to a tubular rod *c*, the ends of which are provided with clamps *d*, which are designed to engage the opposite walls of the box at the upper edge portions thereof. When the tubular rod is so attached to the box, the cover is secure, and the cover-leaves can be raised and lowered on their hinge connections as may be desired.

The tubular rod *c* engages at its ends the eyes of the hinge-plates *e*, which are attached to the cover-leaves *b*. The cover-leaves consist, usually, each of a wooden frame portion *f*, rabbeted to receive the glass *g*, the inner edge of which is received in a metallic channel-strip of U form (indicated at *h*) adjacent

to the tubular rod *c* and forming a part of the cover-leaf frame, being usually attached to the wood portion by driving its ends into saw-kerfs thereof.

Each end of the tubular rod *c* is slotted on its under side for a short distance, as at *k*, and within this slotted end portion are located the bodies of the inner and outer clamp-jaws *l*, which project through the slot and are designed to engage the inside and outside surfaces of the box-wall. To the body portion of the inner clamp is connected the threaded clamp-stem *p*, which extends through the body of the outer clamp and outward beyond the end of the tubular rod and is provided at its end with the thumb-nut *t*, which engages the bearing-nut *n*, which is secured to the threaded end of the tubular rod. The clamp-jaws are serrated on their inner surfaces to more firmly engage the surfaces of the box-wall, into engagement with which they are forcibly drawn by setting up the thumb-nut on the stem of the inner or movable clamp, which draws it toward the outer clamp. The outer clamp is, however, adjustable by means of the thread of the stem and the bearing-nut to suit slight variations in the position of the box-walls. In this manner the tubular hinge-rod is firmly secured to the box-walls, while the cover-leaves are free to be moved on the hinges as may be found desirable.

In the end of the tubular rod the interval between the bodies of the outer and inner clamps is occupied by a coil-spring *u* around the clamp-stem, said coil-spring serving when the clamp is loosened by turning back the thumb-nut to press inward the inner clamp-jaw to loosen it from its purchase on the box-wall. This relieves the tubular hinge-bar, so that the cover can be easily removed from the box.

In order to provide means for easily replacing the glazing of the cover-leaves when broken, the glass plates may be secured in the rabbeted seats of the frame by means of strips *z*, which may be placed over the edges of said plates and secured to the frame by small screws.

The frame-bars are designed to be beveled, as indicated at *r*, near the tubular hinge-bar; so that either cover-leaf can be thrown open

nearly to the opposite side of the box, this serving a purpose of great convenience when the box is set in an inclined position, as such cover-leaf will stand open when lifted to facilitate getting at the contents of the box.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a show-case, the combination of cover-leaves, a hinge-rod thereof, hinge-plates, and adjustable clamp-jaws carried by end portions of said rod, substantially as specified.

2. In a show-case, the combination of cover-leaves, a hinge-rod thereof having threaded end portions, adjustable clamp-jaws carried by the end portions of said rod, and nuts engaging threaded end portions of said rod for forcing said jaws together, substantially as specified.

3. In a show-case, the combination of cover-leaves, a tubular hinge-rod thereof having terminal slots, clamp-jaws within said tubular rod, and extending through said slots, and means for forcing said jaws together, substantially as specified.

4. In a show-case, the combination of cover-leaves, a tubular hinge-rod thereof having

terminal slots and threaded end portions, clamp-jaws within said tubular rod and extending through said slots, threaded stems of the inner of said jaws, nuts engaging the end portions of said rod, nuts engaging said threaded stems, and springs surrounding said stems, substantially as specified.

5. In a show-case, the combination of cover-leaves having beveled frame-bars at their meeting edges, a hinge-rod for said covers, hinge-plates, and adjustable clamp-jaws carried by end portions of said rod, substantially as specified.

6. In a show-case, the combination of cover-leaves having beveled frame-bars at their meeting edges, a hinge-rod for said cover, hinge-plates, adjustable clamp-jaws carried by the end portions of said rod, and U-form channel-strips connecting the cover frame-bars adjacent to said hinge-rod, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN CLAYTON.

Witnesses:

H. O. TOWNE,
JNO. CHEETHAM.