

(No Model.)

C. REINISCH.
TELESCOPIC BAG HINGE STAY.

No. 365,276.

Patented June 21, 1887.

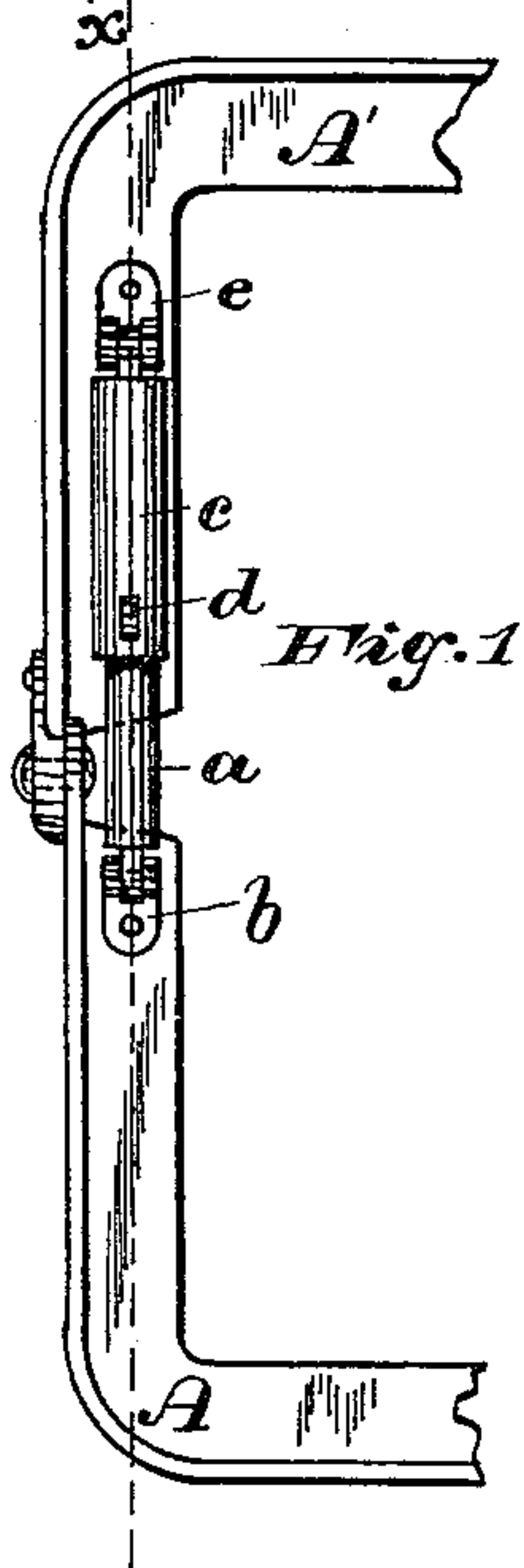


Fig. 1

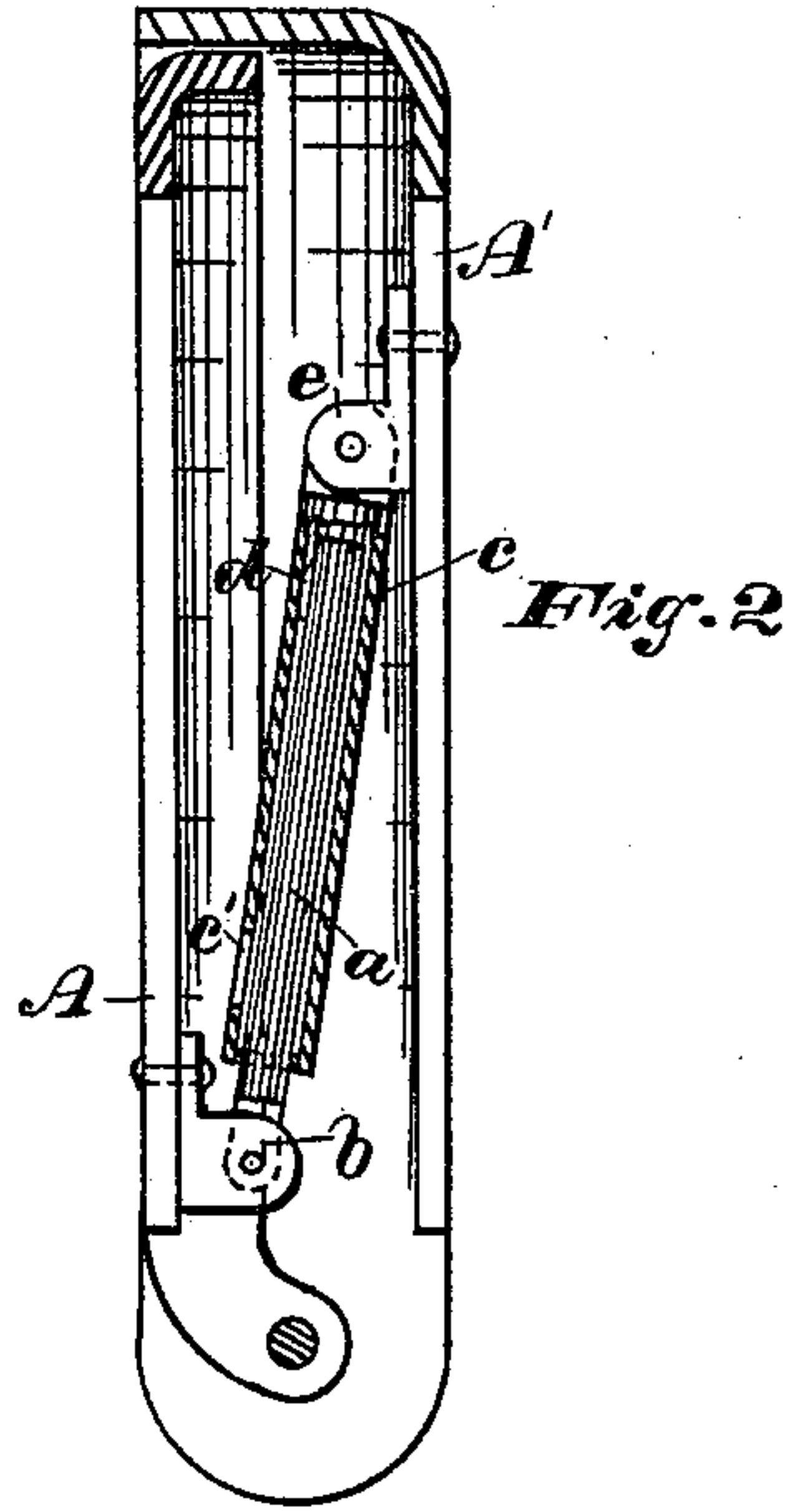


Fig. 2

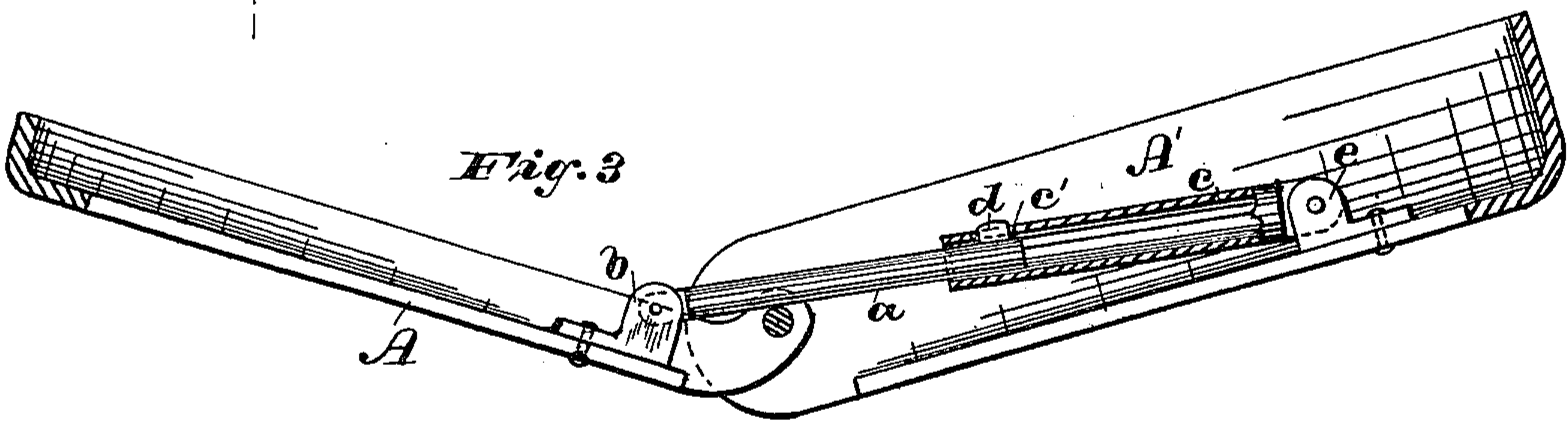


Fig. 3

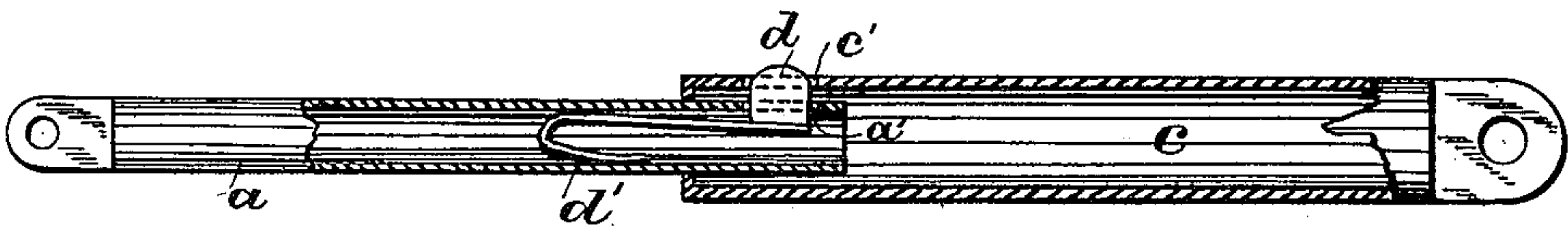


Fig. 4

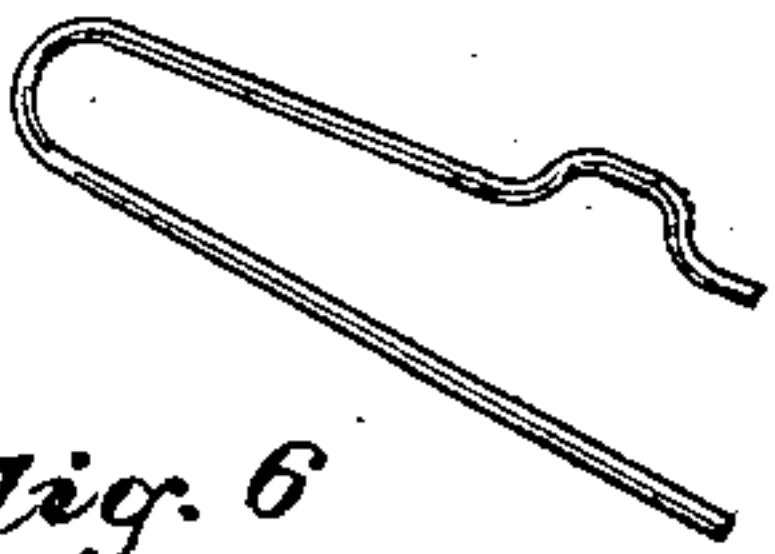


Fig. 6

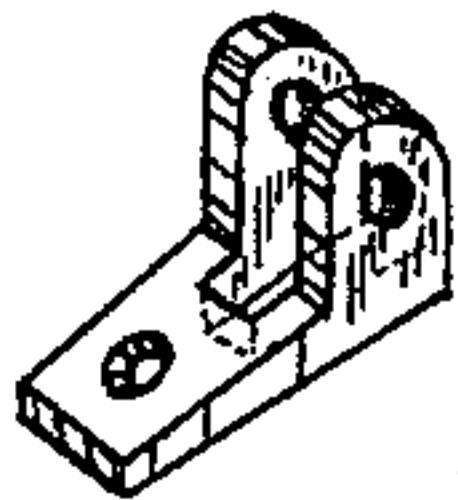


Fig. 5

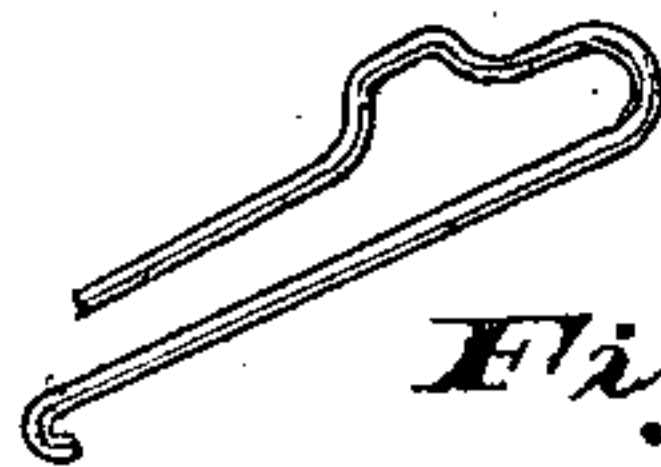


Fig. 7

WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES REINISCH, OF NEWARK, NEW JERSEY.

TELESCOPIC BAG-HINGE STAY.

SPECIFICATION forming part of Letters Patent No. 365,276, dated June 21, 1887.

Application filed March 22, 1887. Serial No. 231,916. (No model.)

To all whom it may concern:

Be it known that I, CHARLES REINISCH, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Telescopic Bag-Hinge Stays; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as 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 letters of reference marked thereon, which form a part of this specification.

This invention relates to an improvement in a bag-hinge stay, illustrated in an application contemporaneous herewith, in which the parts of the stay telescope one into the other and are locked by being automatically thrown out of line and held in that position until released. In this invention the parts of the stay are telescopically arranged, but the means for locking the same when opened differs in construction and constitute the principal feature of novelty of the invention.

The present invention is shown in the accompanying sheet of drawings, in which similar letters of reference are employed to indicate corresponding parts, Figure 1 representing in plan part of the frame-sections of a bag or satchel provided with my improved bag-hinge stay thereon. Fig. 2 is a transverse vertical section of the frame-sections of the bag closed, and illustrating the relations of the parts of my improved stay when attached thereto. Fig. 3 is a similar section, taken through line *x* in Fig. 1, of the bag-frame and hinge-stay, representing the latter in its holding or locked position; and Fig. 4 is an enlarged longitudinal section of the hinge-stay, showing a fastening device provided with a spring-actuated detent or catch in the stop arm or tube and adapted to automatically engage with a slot in the hollow holding-arm of the hinge-stay. Fig. 5 is a perspective view of one of the slotted plates, by means of which the several parts of the stay are pivoted to the frame-sections of the bag or satchel; and Figs. 6 and 7 are views illustrating different forms of the spring.

In the several views, A A' indicate the frame-sections of a bag or satchel; *a*, a hollow stop-

arm pivotally secured to the frame-section A, by means of the slotted plate *b*, or any similar device, said stop-arm passing and extending over the hinge or joint of the frame-sections and entering into the hollow holding-arm *c*, which is pivotally secured to the frame-section A' by means of the plate *e*. The stop-arm *a* slides freely up and down within the hollow holding-arm *c*, and when in operative position on the frame-section of the bag said stop-arm and holding-arm remain in telescopic engagement. The stop-arm *a*, which is also hollow or chambered, is provided with a slot, *a'*, therein, a detent or catch, *d*, projecting up through said slot and extending therefrom, said detent being secured to a spring, *d'*, of such construction that it may be forced into the hollow stop-arm, said spring and detent or catch being permanently retained by the slot in said arm, as is indicated in Fig. 4. The holding-arm *c* is provided with a slot, *c'*, which coincides with the slot *a'* in the stop-arm, the spring-actuated detent *d* passing entirely through said slot *a'*, and extending into the slot *c'* of the holding-arm when the inner and outer tubes are extended to bring said slots together, the said arms or tubes being held in engagement with each other, and thus holding open the mouth of the bag until the detent is released.

In order to close the bag, the spring-actuated detent or catch, which is slightly rounded on the top, as shown in the drawings, is depressed, and thereby released from holding contact with the slot *c'* in the holding-arm *c*, and the frame-sections can be closed without any resistance, the stop-arm or tube *a* sliding and extending into the holding arm, as indicated in Fig. 2.

Although only one means of securing the spring-actuated detent in the hollow stop-arm is shown, I do not wish to limit myself to this peculiar construction, that shown in the drawings, however, being the preferred construction. Said detent may be provided with a cylindrical post extending down into the stop-arm, said post being provided with a spiral spring secured to the latter and also to the stop-arm in any convenient manner, the tendency of said spring being to constantly press the detent or catch out into the slot *a'* and into the slot *c'* of the holding-arm when the mouth

of the bag is opened to the extent desired; or the spring *d'* of the detent may be straight instead of U-shaped, as indicated in the drawings, and the same riveted to the inside or outside of the stop-arm; or said stop arm may be slotted on the end to receive the spring and catch. These last-described forms of construction are thus referred to and are not illustrated, as they may be understood from the description.

In this form of hinge-stay the telescopic parts move reciprocally in and out one within the other, and, remaining in a straight line, are locked by any suitable catch that will automatically lock said parts together, and may be caused to release the telescopic parts from their holding engagement. It will be understood that more than one slot may be made in the outer tube of the stay to hold open the mouth of the bag to any desired width.

The improved hinge-stay herein described has this great advantage, that the detent in the stop-arm is constantly pressing against the inner surface of the hollow holding-arm, and during the outward movement of the stop-arm from said holding-arm the detent or catch moves in a straight line along the inner surface of the holding-arm, and is thus forced into the slot in said arm, and positively prevents any back or forward movement of the frame-sections on their hinge-joints, and the mouth of the bag is held open until released by the operator. When it is intended to close the bag or satchel, a slight pressure of the thumb or finger on the detent will be sufficient to disengage said detent from the slot in the holding-arm, the tendency of the frame sections being to move toward each other, thus enabling the person to close the bag or satchel with ease. The telescopic portions may vary in cross section, being cylindrical, as indicated in the drawings, or otherwise formed.

Having thus described my invention, I desire to claim—

1. In a bag-hinge stay, the combination of telescopically-arranged portions *a* and *c*, adapted to be pivotally connected with the opposite sections of a bag-frame, and a catching or locking device constructed and arranged to automatically lock said telescopic portions when extended, for the purposes set forth.

2. In a bag-hinge stay, the combination of telescopically-arranged portions *a c*, adapted to be pivotally connected with the opposite sections of a bag-frame, the outer of which is provided with a slot near the extremity thereof and the inner portion provided with a spring-actuated detent, which engages with said slot when said telescopic portions are extended, for the purposes set forth.

3. In a bag-hinge stay, the combination of the tubular telescopic portions *a c*, adapted to be pivotally connected with the opposite sections of a bag-frame, each of which is provided with slots *a' c'* in the extremities thereof, which, when the said telescopic portions are extended, coincide one with the other, and a spring-actuated detent, *d*, arranged within said tubular portion *a* and projecting up through the slot *a'* therein, for the purposes set forth.

4. The combination, with the frame-sections *A A'* of a bag or satchel, of a bag-hinge stay consisting of telescopically-engaging portions *a c*, extending over the hinge of said frame-sections and pivotally secured to said frame-sections on opposite sides of said hinge, and provided with a catching or holding device for locking said telescopic portions when extended by the opening of the bag, for the purposes set forth.

5. The combination, with the frame-sections *A A'* of a bag or satchel, of a bag-hinge stay consisting of telescopically-engaging portions *a c*, extending over the hinge of said frame-sections and pivotally secured to said sections, said telescopic portions being provided with slots *a' c'* in the extremities thereof, which, when the said telescopic portions are extended, coincide one with the other, and a spring-actuated detent and a spring arranged in said inner telescopic portion, *a*, and operating for the purpose set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 19th day of March, 1887.

CHARLES REINISCH.

Witnesses:

FREDK. F. CAMPBELL,
FREDK. C. FRAENTZEL.