

(No Model.)

C. WHITNEY.

SUPPLY CASE FOR ROLL HOLDERS IN PHOTOGRAPHIC CAMERAS.

No. 446,373.

Patented Feb. 10, 1891.

Fig. 1.

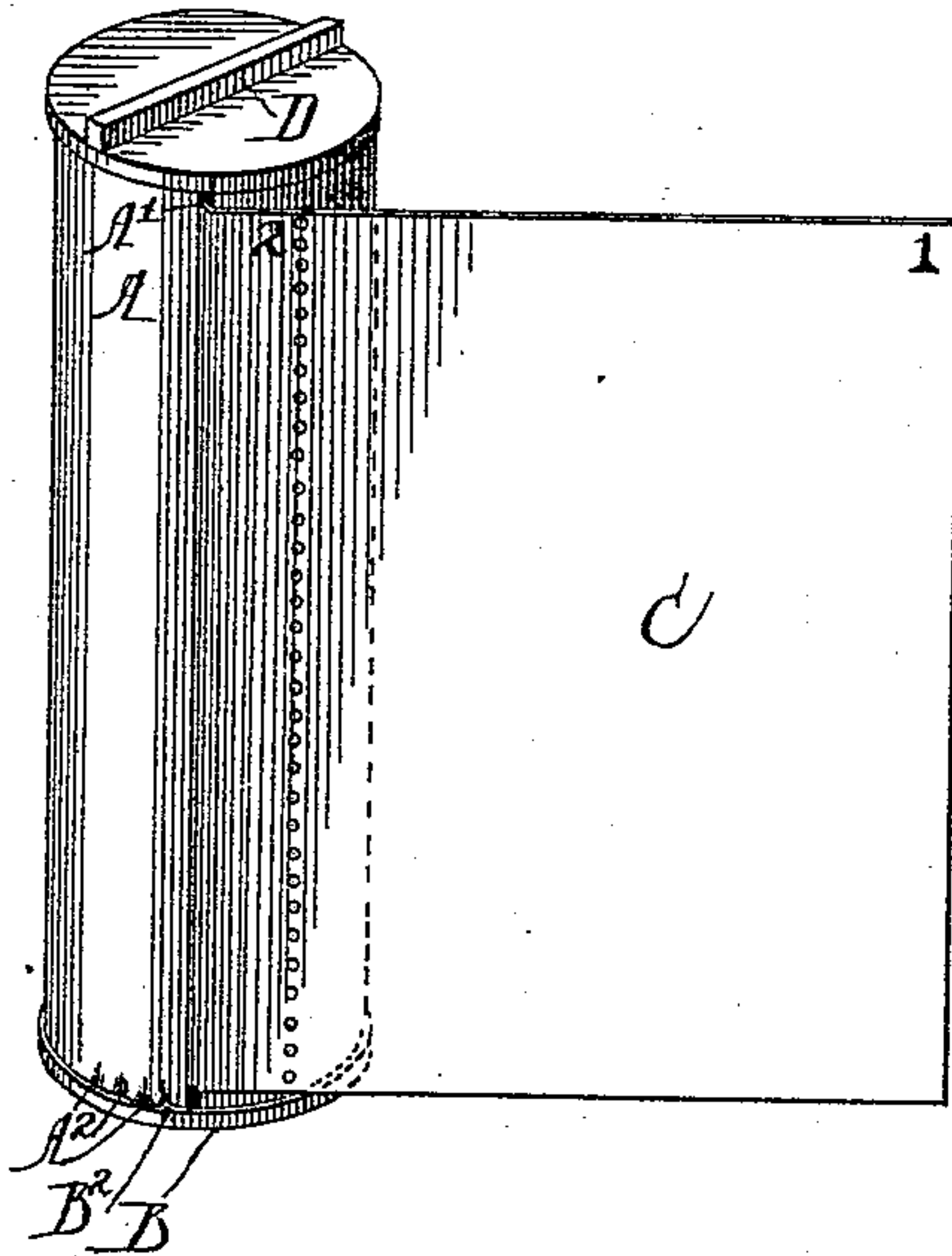


Fig. 2.

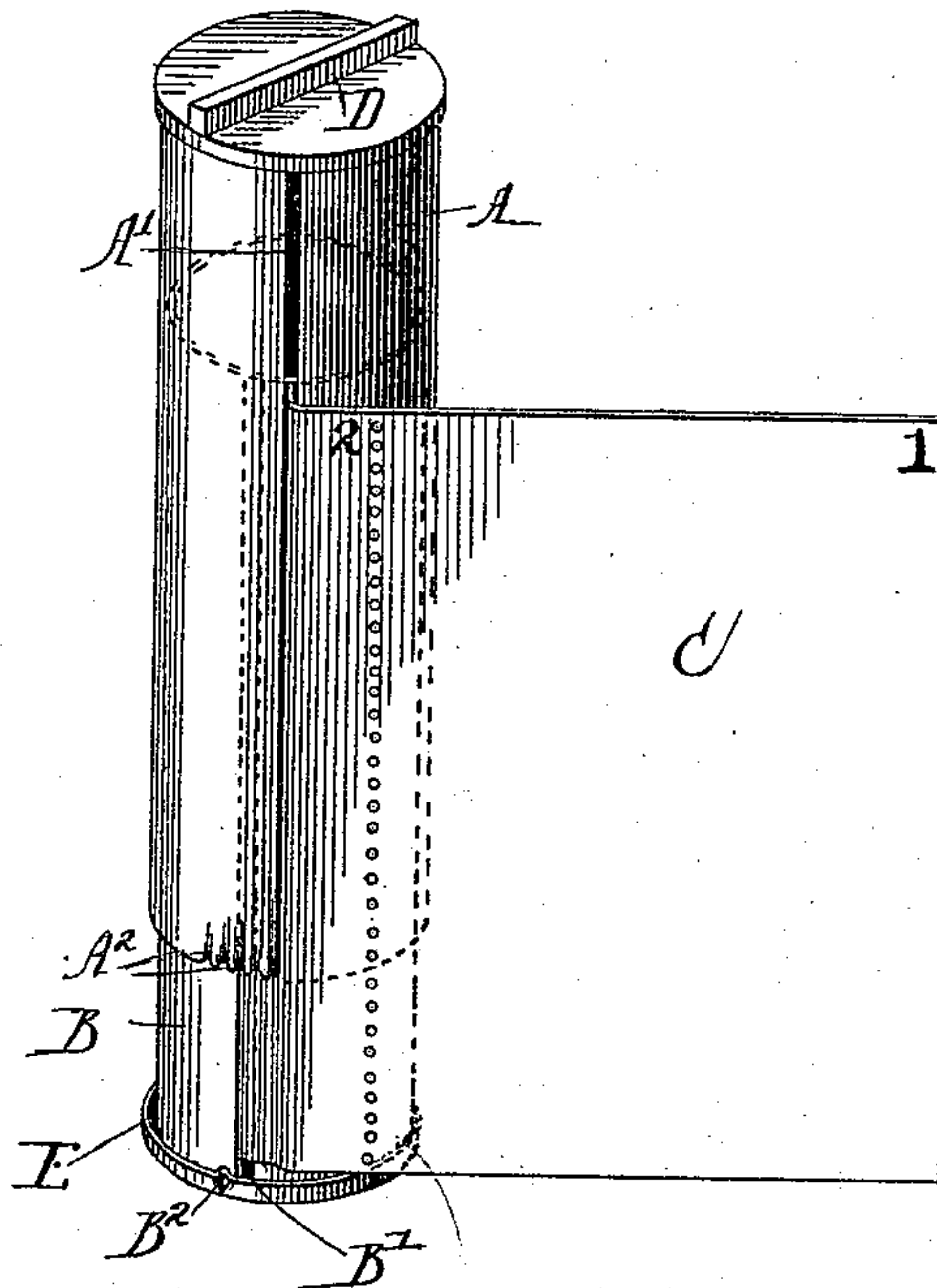


Fig. 3.

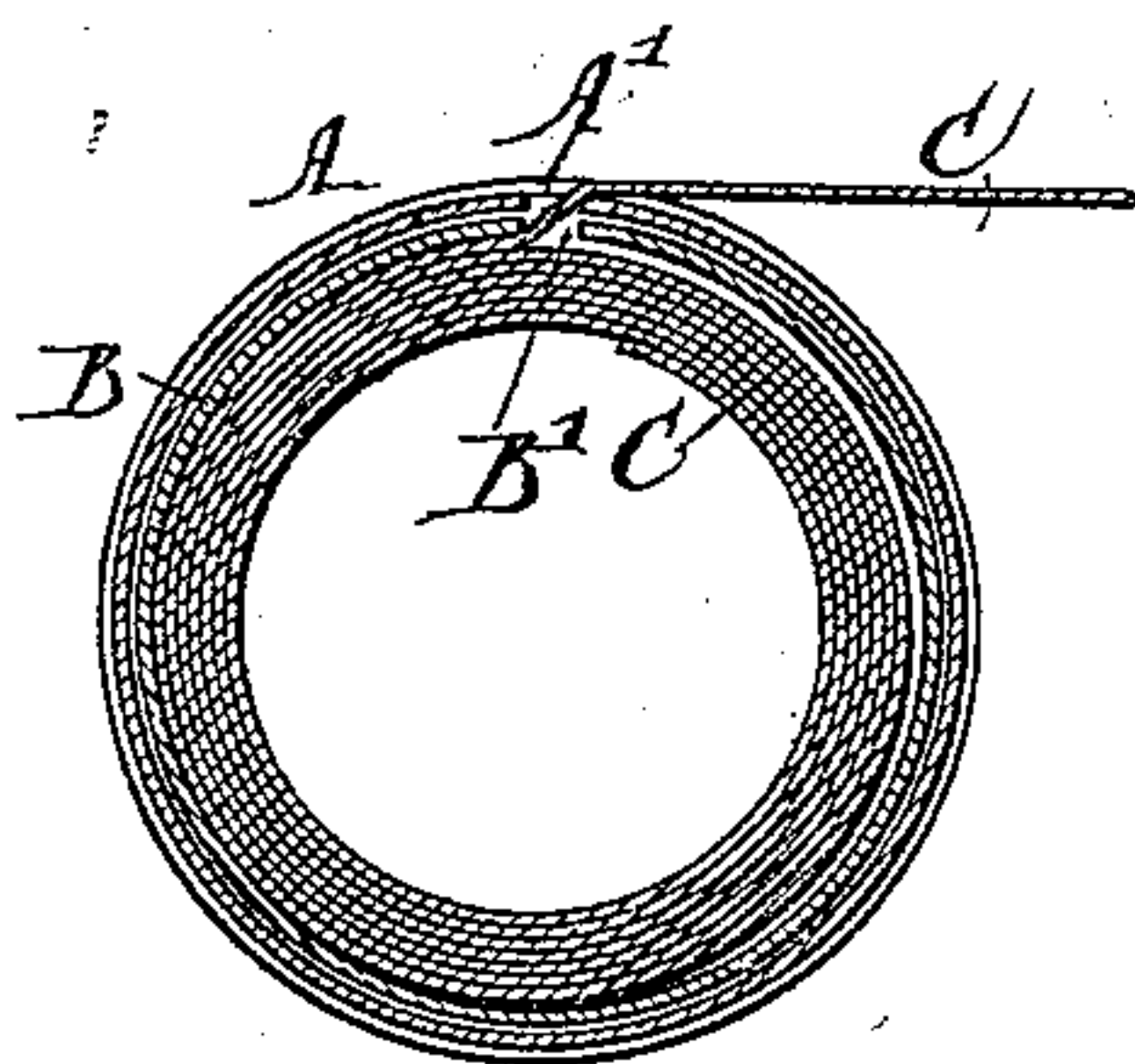


Fig. 4.

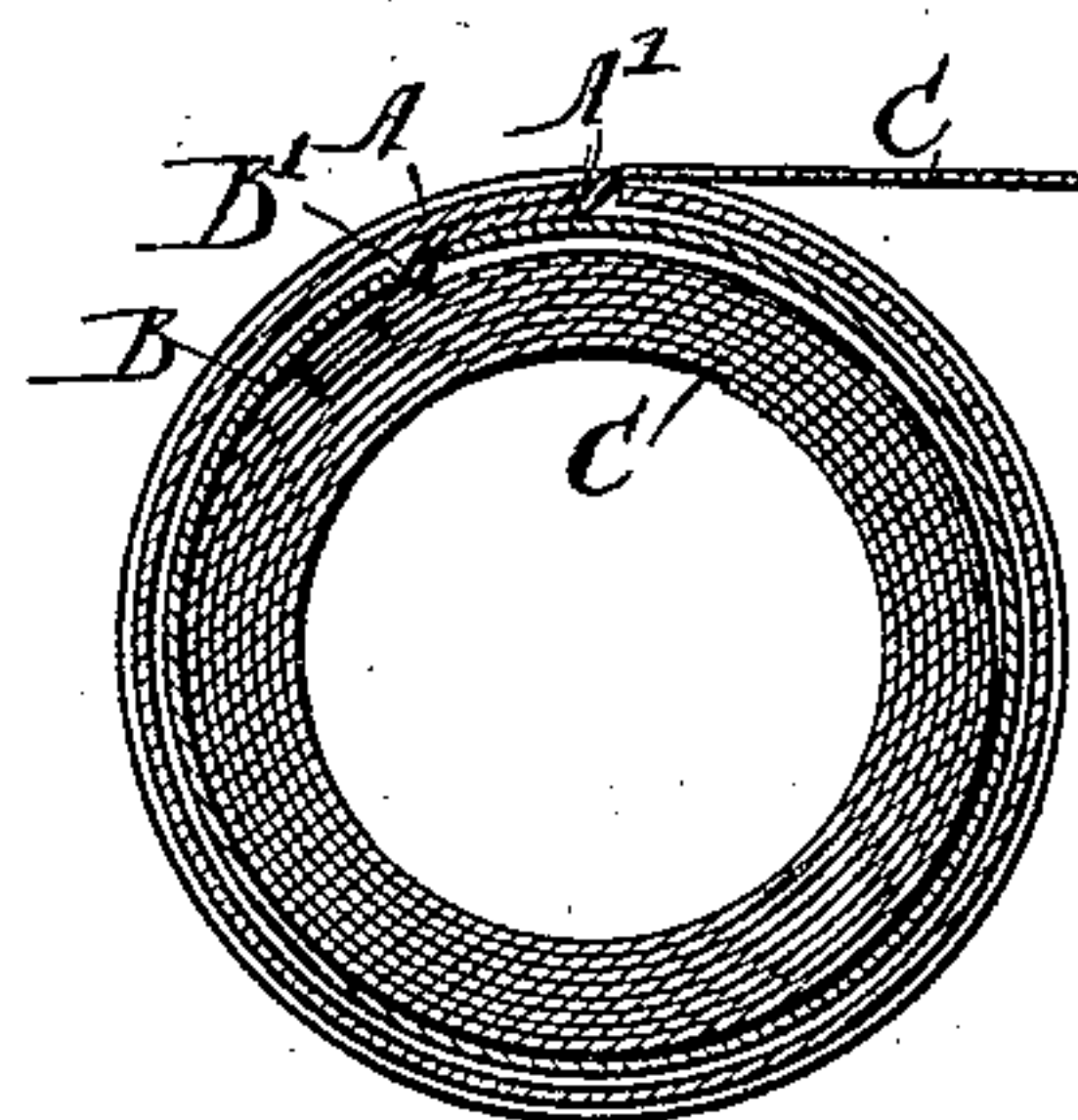
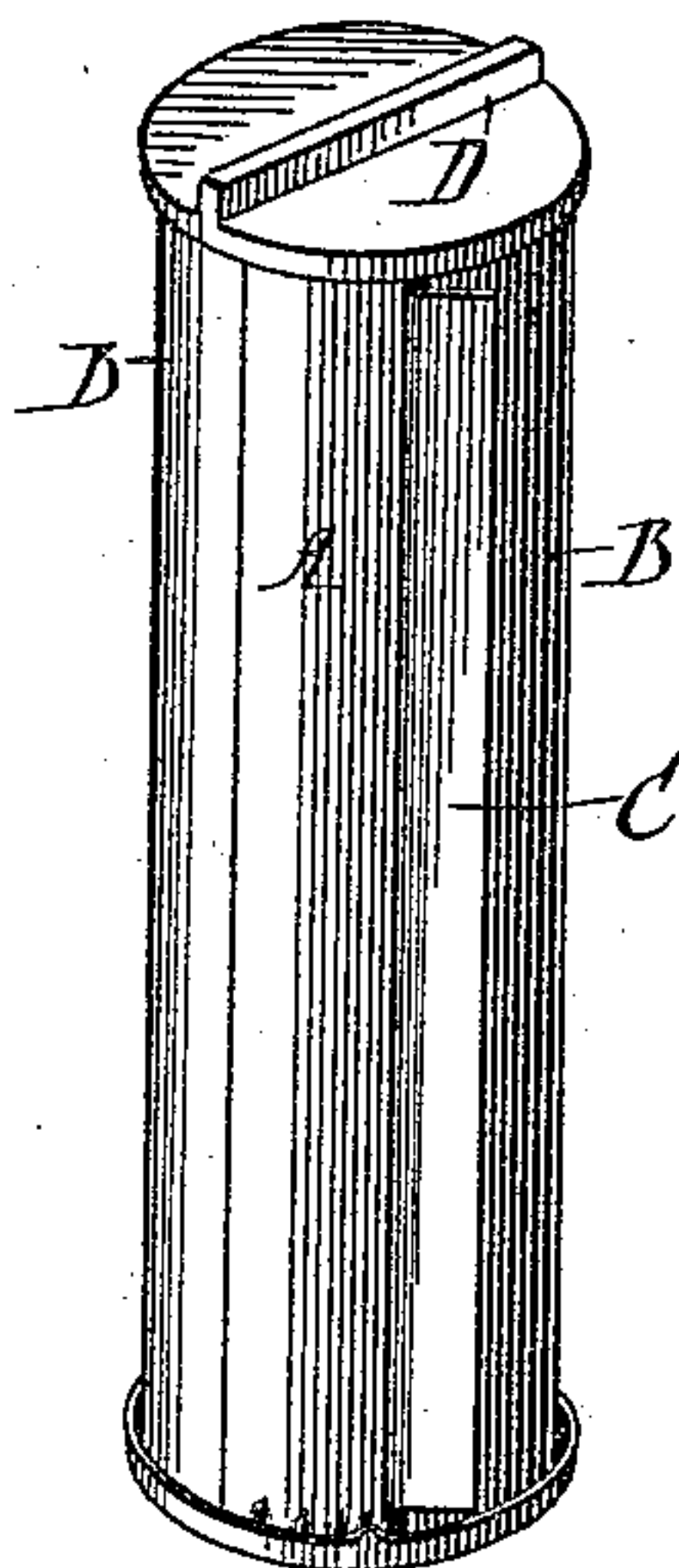


Fig. 5.



Witnesses:

Fred Berlach  
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Inventor:

Charles Whitney



# UNITED STATES PATENT OFFICE.

CHARLES WHITNEY, OF CHICAGO, ILLINOIS.

## SUPPLY-CASE FOR ROLL-HOLDERS IN PHOTOGRAPHIC CAMERAS.

SPECIFICATION forming part of Letters Patent No. 446,373, dated February 10, 1891.

Application filed May 17, 1890. Serial No. 352,230. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES WHITNEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Supply-Case for Roll-Holders in Photographic Cameras, of which the following is a specification.

My invention relates to a supply-case for the use of flexible negative films when used in ribbon form, and is made to operate in conjunction with a winding-post or a friction feed-roller, and also provides a light-tight case for the protection of the sensitized plates and a tension for holding the negative-ribbon straight when it is being drawn out for use. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents the supply-case closed ready for use. Fig. 2 represents the supply-case partially closed; Fig. 3, cross-section of Fig. 1; Fig. 4, cross-section of Fig. 1, showing slots overlapping to exclude light and to produce tension. Fig. 5 is a modification.

Similar letters refer to similar parts throughout the several views.

A is the outside case and B is the inside case, both of which are capped at one end and slotted, as represented at A' and B'. The cap on the case B projects sufficiently to form groove E, into which the end of case A enters. Groove E at one point has a slight ridge B<sup>2</sup>, projecting inwardly, and case A has slight corrugations A<sup>2</sup>, with which ridge B<sup>2</sup> engages for the purpose of preventing any sliding or slipping when the case A and B are closed for use.

Fig. 5 shows a modification of case A. A strip or section of tube A is therein shown, the remainder being dispensed with. This is to show that a narrow section will answer the purposes of the complete slotted tube for covering slot B<sup>2</sup> and for producing tension, or a sliding cover for a slot in a square case would answer a similar purpose. However, I use and prefer the two slotted cylinders A and B.

C' is the negative-ribbon and is spaced into equal distances and perforated and consecutively numbered for each plate.

In a previous application I have shown the

perforated and numbered negative-ribbon, and I have also shown in previous applications a winding-post and a friction feed-roller.

The advantages or improvements gained by my improved supply-case over the usual supply spools or cases previously used are, when filled with a roll or coil of sensitized negative-ribbon and closed and the outer case turned so that the slots have passed each other, I have a light-tight case, and the whole may be wrapped with any suitable paper to prevent moisture. Thus I have a complete supply-case, which may be filled with any of the well-known negative films in ribbon form ready for transportation or handling in any of the markets where similar goods are kept for sale or use.

My supply-case may be attached to the frame of a camera or roll-holder by any well-known mechanism. I show a cross-bar D, which I insert in a slot provided in the camera-case for that purpose.

The tension for holding the negative-ribbon straight when being drawn out for exposure is made by turning until the relative positions of the slots are as shown in Fig. 4, or as much of an overlap of the slots as may be required, the same being regulated in accordance with the thickness of the negative-ribbon which is being used.

In operation the case B is filled with a roll or coil of properly-sensitized negative-ribbon by rolling the negative-ribbon of sufficient amount for the purposes required and insert in the case, allowing the outer end of the ribbon to project through the slot. Then slide case A onto case B, with the slot in case A astride the projecting end of the negative-ribbon when the two cases are forced together. Then turn until the slots have passed each other sufficiently for the amount of tension required. Then place the supply-case into any camera or roll-holder that may have been previously adapted to receive it and connect the outer end of the negative-ribbon to the winding-post or the friction feed-roller, proceeding the same as with other supply cases or spools.

For transportation or shipping, after the cases are forced together and turned until the slots are well past each other then wrap with



any suitable paper and seal with wax or properly tie with string, and the article is complete as a supply-case for roll-holder cameras.

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

1. A supply-case for roll-holder cameras, comprising, in combination, two telescoping tubes A B, provided with longitudinally-extending slots and adapted to rotate one within  
10 the other, substantially as described.

2. A supply-case for roll-holder cameras, comprising, in combination, two telescoping tubes A B, provided with longitudinally-extending slots and adapted to rotate one within  
15 the other, and caps upon the outer ends of the tubes, substantially as described.

3. A supply-case adapted for attaching and detaching in a roll-holder camera, composed  
20 of case A and case B, with their slots adapted to produce a friction-tension on the negative-ribbon, substantially as described.

4. A supply-case for roll-holder cameras, composed of two slotted tubes, each capped  
25 at one end, one adapted to slide inside the other, the cap on the inside tube provided with a groove to receive the open end of the outside tube, substantially as described.

5. A supply-case for roll-holder cameras, provided with means for making it attachable  
30 and detachable to the same, composed of two hollow slotted tubes, one adapted to revolve within the other, for producing a friction-tension and a light-tight case, substantially as described.

6. As a new article of manufacture, the within-described supply-case for roll-holder cameras, consisting of case A and case B,  
35 adapted to contain a coil of sensitized negative-ribbon, substantially as described.

7. As a new article of manufacture, a cylindrical light-tight supply-case for sensitized negative-ribbon, comprising, in combination,  
40 a longitudinally-slotted tube adapted to contain a coil of sensitized negative-ribbon, and also adapted to rotate inside of a longitudinally-slotted tube, said slots adapted to pass  
45 each other for producing a light-tight case and a friction-tension, substantially as described.

CHARLES WHITNEY.

In presence of—

J. W. DYRENFORTH,  
M. J. FROST.