

No. 876,859.

PATENTED JAN. 14, 1908.

M. R. COLLINS.
PNEUMATIC CARRIER.
APPLICATION FILED APR. 26, 1907.

Fig - 1 -

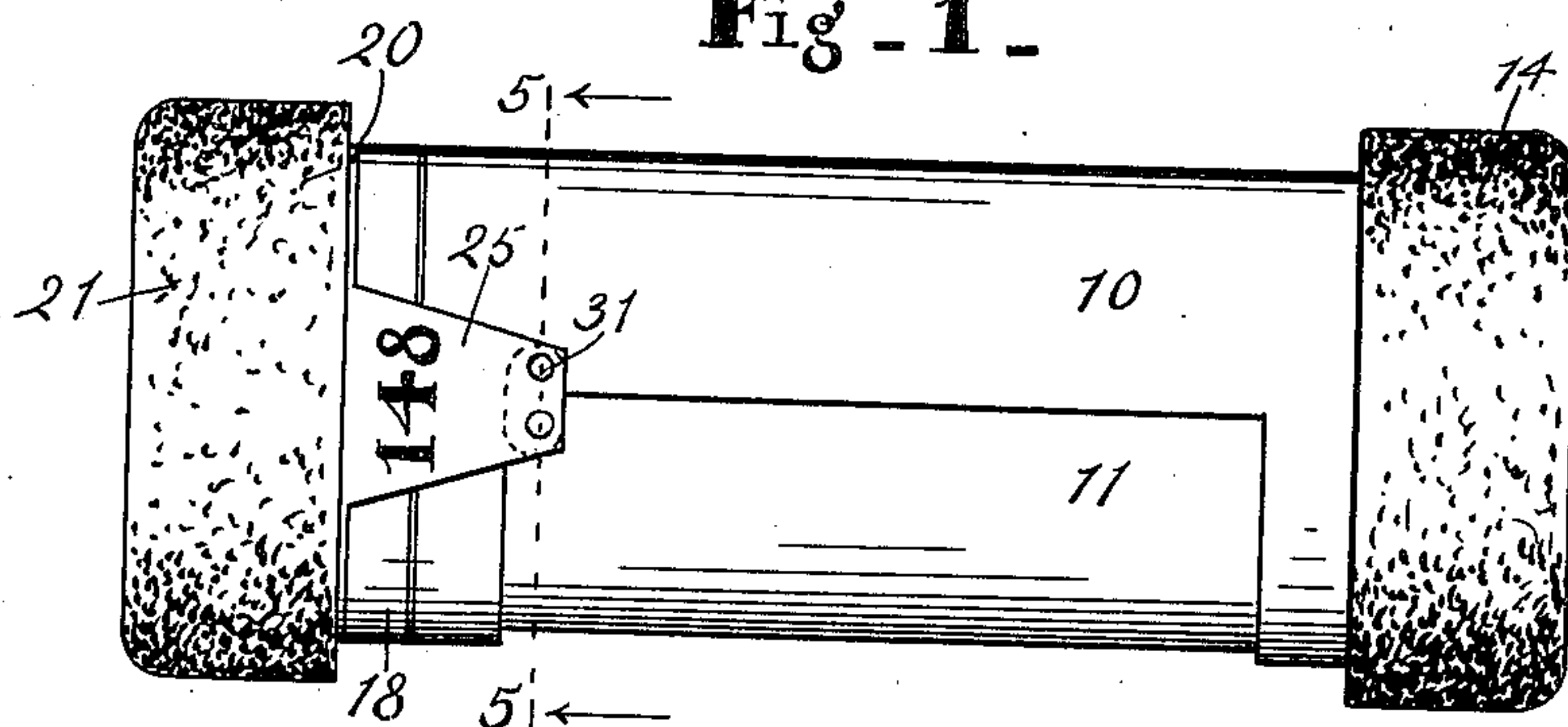


Fig - 2 -

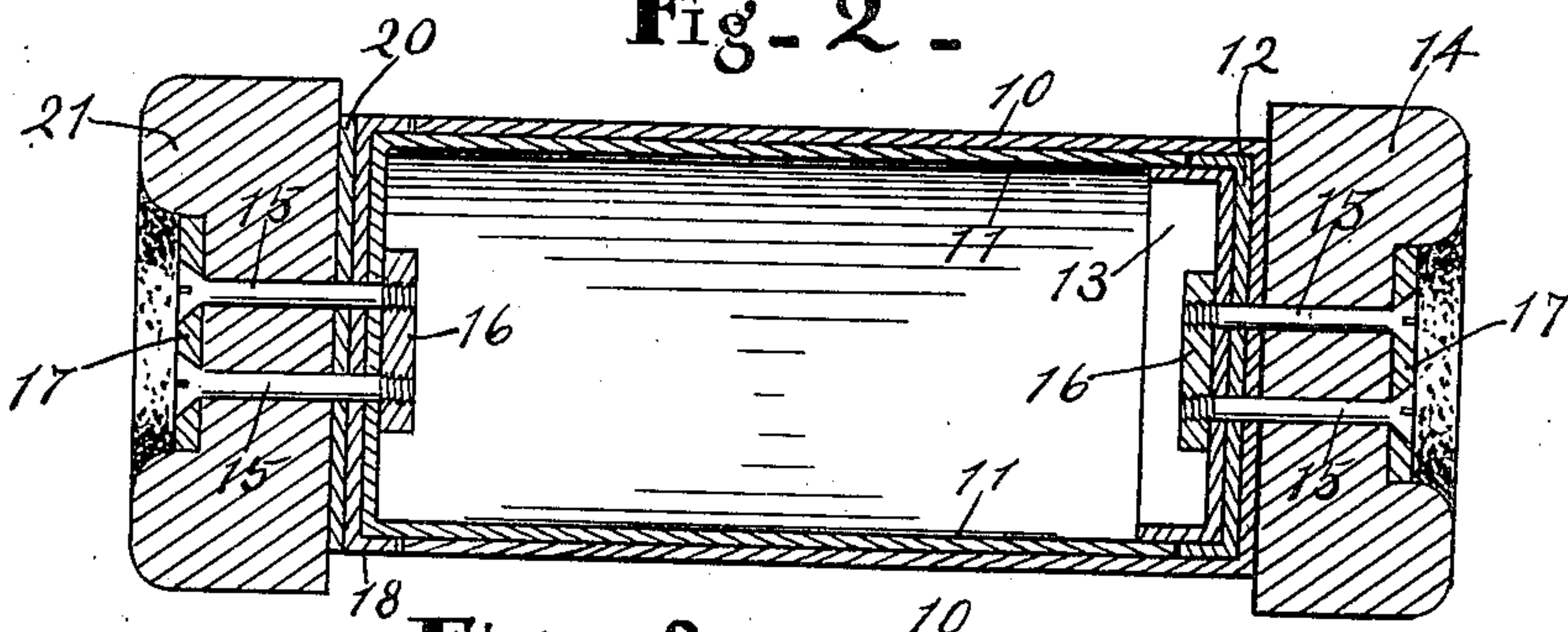


Fig - 3 -

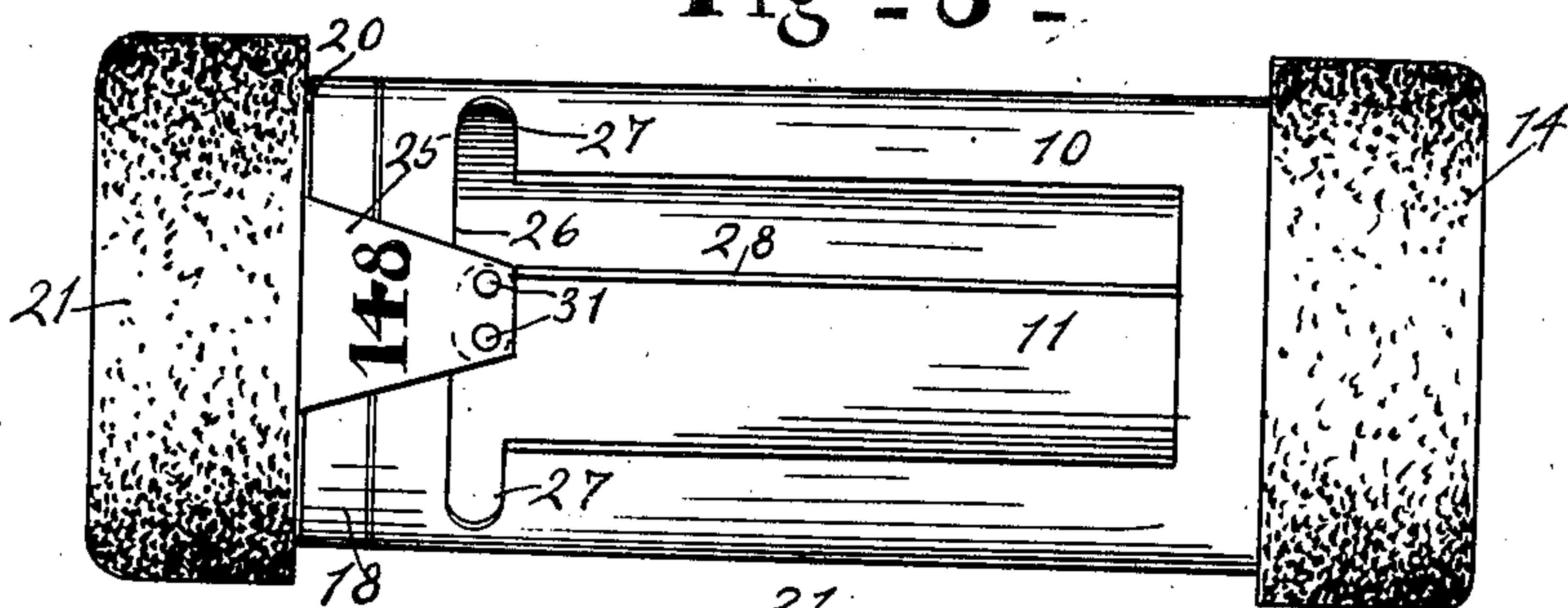


Fig - 4 -

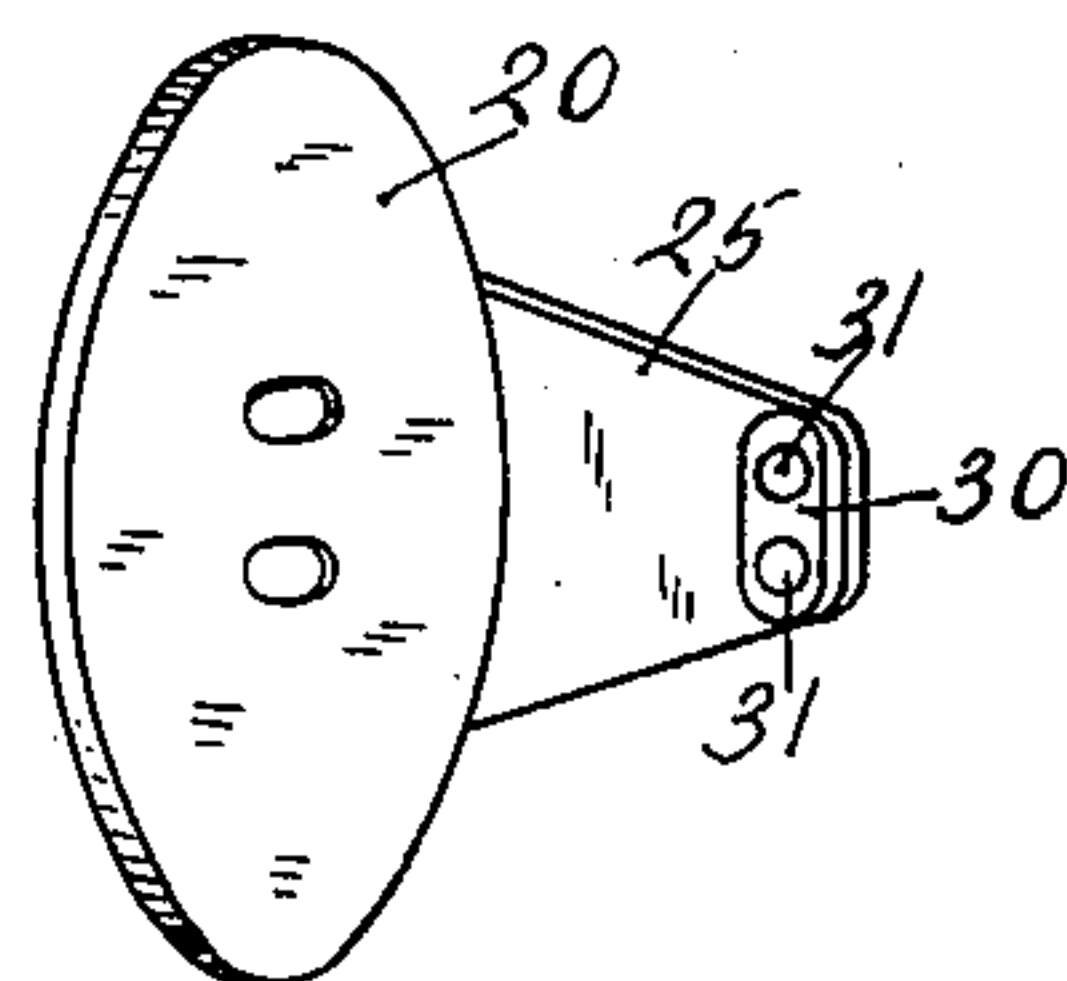


Fig-5 -

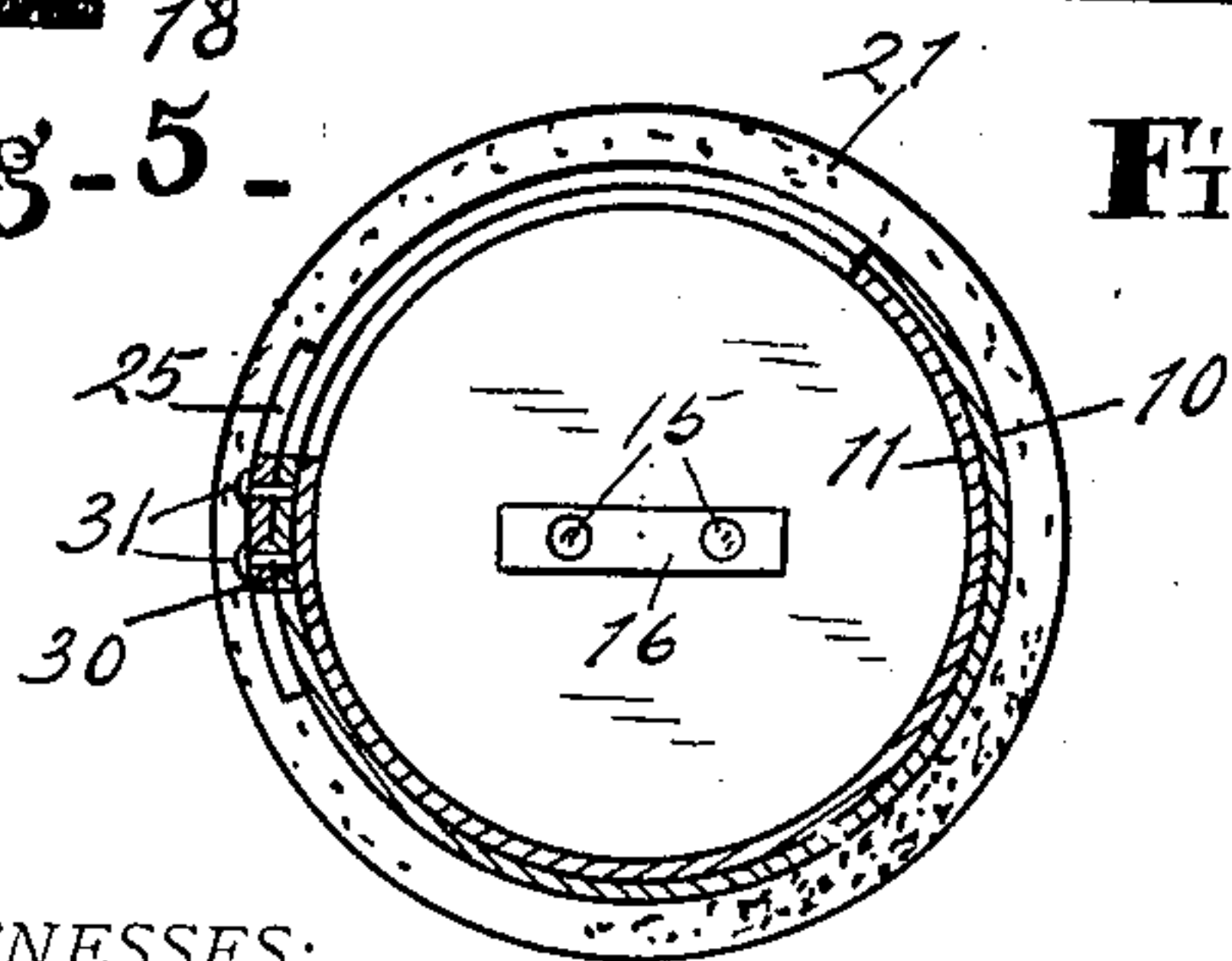
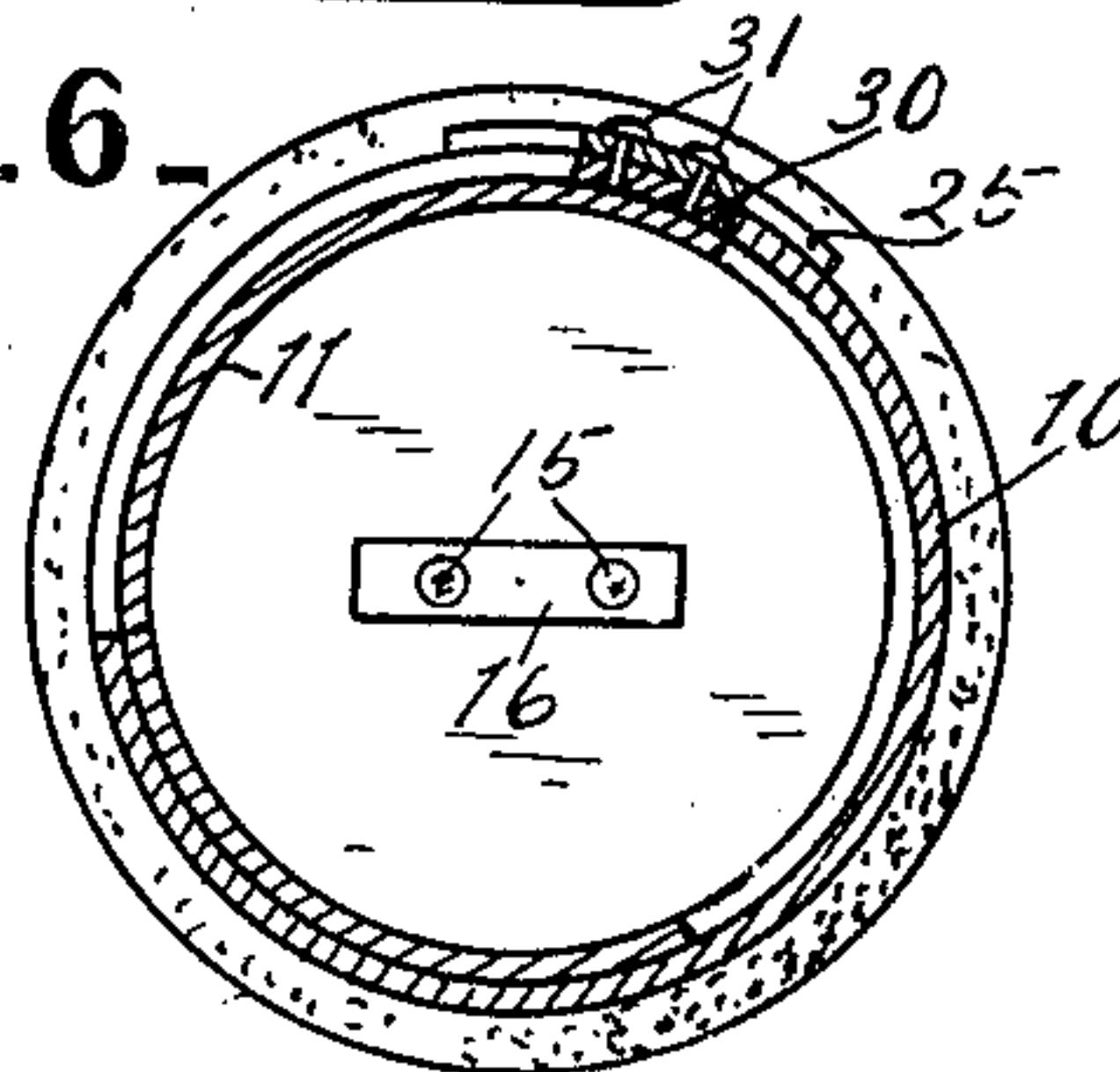


Fig-6 -



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PNEUMATIC CARRIER.

No. 876,859.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed April 26, 1907. Serial No. 370,506.

To all whom it may concern:

Be it known that I, MAJOR R. COLLINS, of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Pneumatic Carrier; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

This invention relates to a pneumatic carrier of the type that consists of two cylindrical shells or casings, one of which surrounds and slides over the other and in use turns on the other so as to open and close the carrier.

The object of the invention is to simplify the construction and provide a convenient and preferably a single means for holding the two casings or shells from separation, stopping the rotation of the same in either direction and providing a readily removable plate upon which the number of the carrier may be stamped.

Heretofore it has been the practice to stamp the number of the carrier upon the outer casing, the result being that when it is desired to change the number of the carrier the outer casing or shell of the carrier must be removed. With my invention, the number being placed upon a small detachable plate, the number of the carrier can be changed very quickly and without affecting or changing the casings or shells or other parts of the carrier.

The nature of the invention will be understood from the accompanying drawings and the following description and claims:

In the drawings, Figure 1 is a plan view of the carrier closed. Fig. 2 is a central longitudinal section through the carrier. Fig. 3 is a plan view of the carrier partially open. Fig. 4 is a perspective view of the added plate which is the chief part added by my invention. Fig. 5 is a transverse section on the line 5—5 of Fig. 1, the carrier being open. Fig. 6 is a section on the same line with the carrier closed.

Referring now to the details of the construction as shown herein to illustrate the general nature of my invention, there is an outer shell 10 tubular in form and closed at one end and an inner shell 11 fitting within said outer shell and tubular in form and likewise closed at one end. Said outer shell has within and secured to its closed end cap

plates 12 and 13, the cap 13 being within the cap 12 and both being disks with annular flanges extending inward from the body of the disk, the flange on the inner cap 13 being longer than the flange on the other cap 12 so that the cap 12 serves as a stop for the open end of the inner shell 11, while the cap 13 serves as a guide and support therefor. A felt 14 is rigidly secured to the closed end of the outer shell by bolts 15 and the double nut 16, the heads of the bolts being embedded in the plate 17 countersunk in the outer surface of the felt 14. Likewise, the inner shell 11 has secured to its closed end and outside thereof a cap 18 that corresponds in shape and function with the cap 12. Upon this cap plate 18 I place an additional disk 20 and secure to the inner end of the closed shell the felt 21 by means of bolts 15, double nut 16 and countersunk plate 17, the bolts extending through the plate 20, as well as the other parts, so as to hold it rigidly in position.

All of the carrier thus far described is old so far as my present invention is concerned, excepting the disk 20. It is added and has secured to it the plate 25 that extends at a right angle from the periphery of the disk 20 and preferably curved so as to conform to the curved surface of the outer shell 10. This plate 25 projects beyond the margin of the opening into the shell 10, said marginal strip 26 extending transversely of said outer shell and having the notches 27 at each end of said marginal portion 26. The extreme outer end of the plate 25 engages with the inner shell 11 near the marginal line 28 of the opening into said shell with preferably a stop block 30 secured to the under surface of said plate 25 by the rivets 31, said block being of substantially the same thickness as the shell 10 and resting loosely upon the inner shell 11 near its marginal line 28, substantially as shown in Fig. 3. The ends of the stop block 30 are round, substantially the same as the ends of the notches 26 and 27 and said block has substantially the same width as said notches, so that at the limits of the rotary movements of the plate 148 said block will fit in and fill the notches 27. Since the disk 20 is secured by the bolts 15 to the inner shell, said plate 25 and stop block 30 will revolve with said shell. Since the plate 25 and stop block 30 overlap the marginal strip 26 of the outer shell, they unite and hold together the inner and outer shells.

The number of the carrier, herein "148", is placed upon the plate 25, so that the number of the carrier is conveniently located upon the side containing the openings into the carrier and also the plate on which it is mounted is readily removable. When it is desirable to change the number of the carrier, the screws 15 at the left hand end are loosened, the disk 20 with the plate 25 thereon removed and another disk and plate put in its place, with the desired new number thereon. No part, therefore, of the carrier is destroyed or thrown away or even changed excepting the additional disk and plate shown in Fig. 4. It is observed, therefore, that in the part added by me, the disk 20, plate 25 and stop 30 are integral or secured together to make one piece and practically performs three functions. This is a removable number plate. It holds the inner and outer shells together from escaping from each other longitudinally. It also serves as a stop for limiting the rotary movement of the shells in both directions.

What I claim as my invention and desire to secure by Letters Patent is:

1. In a pneumatic carrier, the combination with inner and outer cylindrical shells, of means removably secured at one end of said shells and extending over a portion of the cylindrical surface of the outer shell for receiving the number of the carrier.

2. In a pneumatic carrier, the combination with the inner and outer shells and felt ends, of a disk removably secured between one felt end and the adjacent shell and having on its periphery a number plate adjacent to and conforming to the curvature of the outer shell.

3. In a pneumatic carrier, inner and outer shells one insertible in the other longitudinally, said outer shell having an opening with one margin extending transversely thereof, and means secured to the end of the inner shell and projecting beyond said marginal line in said opening whereby the two shells will be prevented from escaping from each other.

4. In a pneumatic carrier, the combination of inner and outer cylindrical shells, the inner shell being longitudinally insertible in the outer shell and the outer shell having an opening in its periphery for the insertion of cash or the like with a marginal line transversely of the outer shell and nearer the open end thereof, and a plate secured to the end of said inner shell and projecting beyond said marginal portion of the outer shell whereby the two shells are held from independent longitudinal movement.

5. In a pneumatic carrier, the combination of inner and outer cylindrical shells, the inner shell being longitudinally insertible in the outer shell and the outer shell having an opening in its periphery for the

insertion of cash or the like with a marginal line transversely of the outer shell and nearer the open end thereof, and a plate secured to the end of said inner shell and projecting over said marginal portion of the outer shell whereby the two shells are held from independent longitudinal movement.

6. In a pneumatic carrier, inner and outer shells one insertible in the other longitudinally, said outer shell having an opening with one margin extending transversely thereof, a disk secured to the end of the inner shell with a plate extending from the periphery thereof to the opening in the outer shell, and a block secured to the outer end of said plate and arranged to prevent the escape of said shells from each other and to serve as a stop to limit the rotary movement of the shells.

7. In a pneumatic carrier, inner and outer shells one insertible in the other longitudinally, said outer shell having an opening with one margin extending transversely thereof, a disk secured to the end of the inner shell with a plate extending from the periphery thereof to the opening in the outer shell, and a block secured to the outer end of said plate and extending inwardly to prevent the escape of said shells from each other and to serve as a stop to limit the rotary movement of the shells.

8. In a pneumatic carrier, inner and outer shells, one insertible longitudinally into the other and the outer shell having a peripheral opening for the insertion of cash and the like, there being a marginal strip along one end of the outer shell, and stop notches adjacent said marginal strip at each side of said opening, and a disk secured to the end of the inner shell with a plate projecting from its periphery across and beyond said marginal strip in the outer shell with a downward extension from its outer end, the ends of said downward extension conforming in shape with the ends of said stop notches.

9. In a pneumatic carrier, inner and outer shells one insertible in the other longitudinally, said outer shell having an opening with one margin extending transversely thereof, a disk secured to the end of the inner shell with a plate extending from the periphery thereof to the opening in the outer shell, and a block secured to the outer end of said plate and extending inwardly to prevent the escape of said shells from each other and to serve as a stop to limit the rotary movement of the shells, and the number of said carrier placed upon said plate.

In witness whereof, I have hereunto affixed my signature in the presence of the witnesses herein named.

MAJOR R. COLLINS.

Witnesses:

V. H. LOCKWOOD,
N. ALLEMONG.