

M. L. EMERSON.
CARRIER FOR PNEUMATIC DESPATCH TUBE APPARATUS.
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958,240.

Patented May 17, 1910.

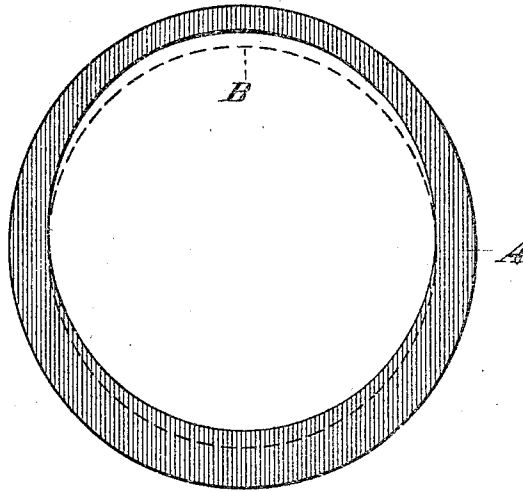


Fig. 1.

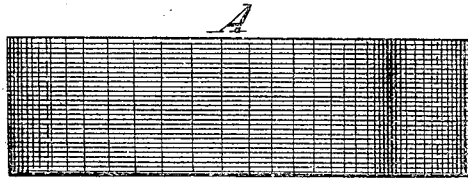


Fig. 2.

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UNITED STATES PATENT OFFICE.

MERTON L. EMERSON, OF BRAINTREE, MASSACHUSETTS.

CARRIER FOR PNEUMATIC-DESPATCH-TUBE APPARATUS.

958,240.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed September 24, 1908. Serial No. 454,624.

To all whom it may concern:

Be it known that I, MERTON L. EMERSON, of Braintree, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Carriers for Pneumatic-Despatch-Tube Apparatus, of which the following is a specification.

My invention relates to improvements in carriers for pneumatic despatch tube apparatus and especially to packing rings therefor.

In the accompanying drawings which illustrate a construction embodying my invention, Figure 1 is a sectional view through the packing ring. Fig. 2 is a side elevation of same.

Like letters of reference refer to like parts throughout the views.

In usual practice with pneumatic tubes, the carrier on being inserted into the tube, immediately turns to the same position and this brings the wear on the rings always at the same point. This is because it is impossible to build carriers so that their center of gravity lies in the main axis. This being the case, the carrier turns about its main axis until the center of gravity is in the lowest possible position. The result is that the carrier always slides on the same surface; the wear is therefore, wholly at this point, and the life of the packing ring is

therefore greatly lessened. By making the center hole of the packing ring A eccentric with the outside, as shown in the drawing, the packing ring will be considerably thicker at one point. This packing when placed on the carrier B should be so turned that it is practically opposite and at the nearest point to the center of gravity. The operation of the packing then is as follows: On the insertion of a carrier into the tube the same will immediately turn so that its center of gravity is at the lowest possible point. This will bring the wear on the packing at its thickest point and the result will be longer life of the packing ring.

Having thus described the nature of my invention and set forth a construction embodying the same, what I claim as new and desire to secure by Letters Patent of the United States is:

A packing ring for pneumatic despatch tube apparatus constructed of varying thicknesses and with its thickest and thinnest portions diametrically opposite.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses, this sixteenth day of September A. D. 1909.

MERTON L. EMERSON.

Witnesses:

M. F. GOODHUE,
L. G. BARTLETT.