

A. A. MAURER.
MAIL CARRIER SUPPORT.
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915,102.

Patented Mar. 16, 1909.

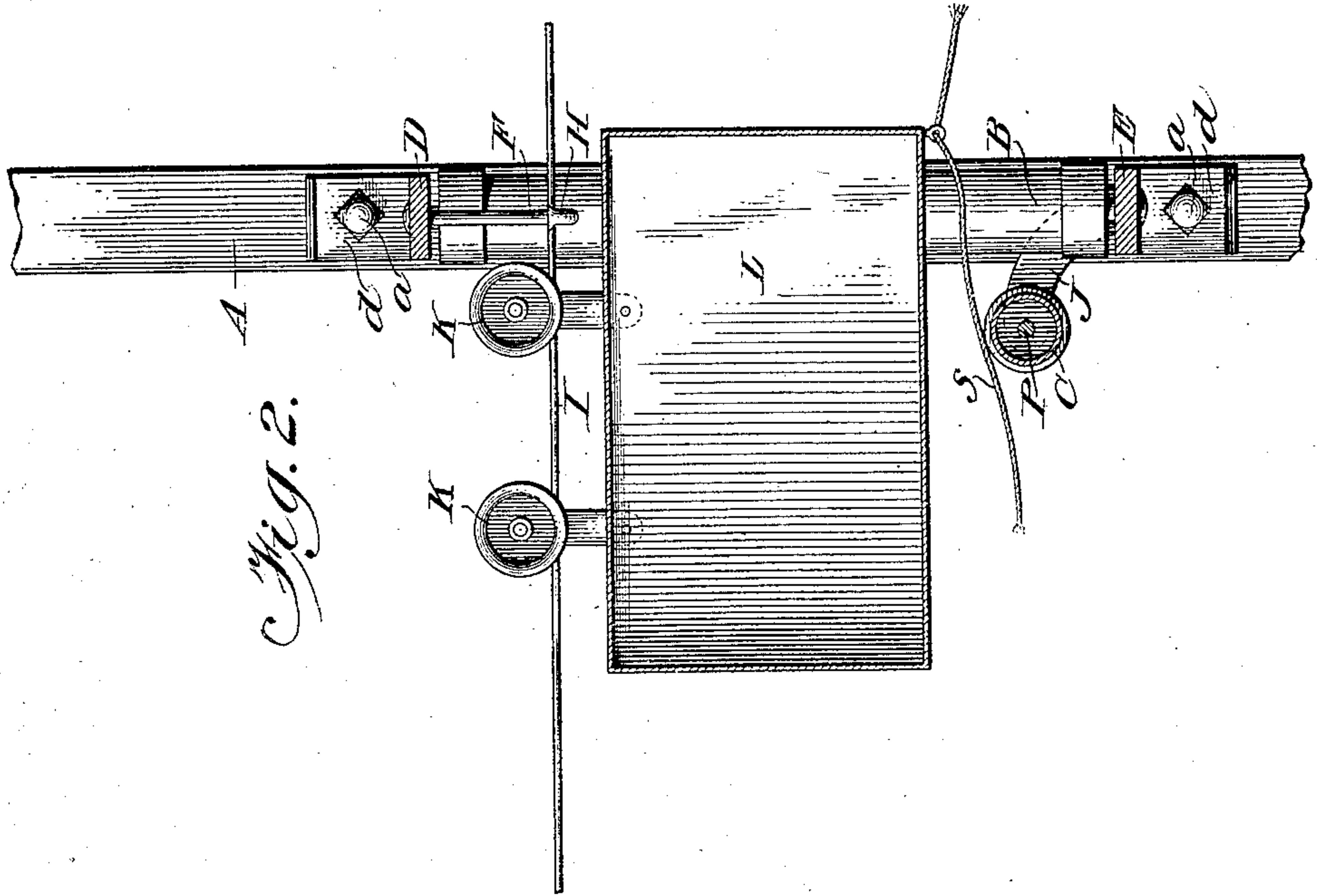


Fig. 2.

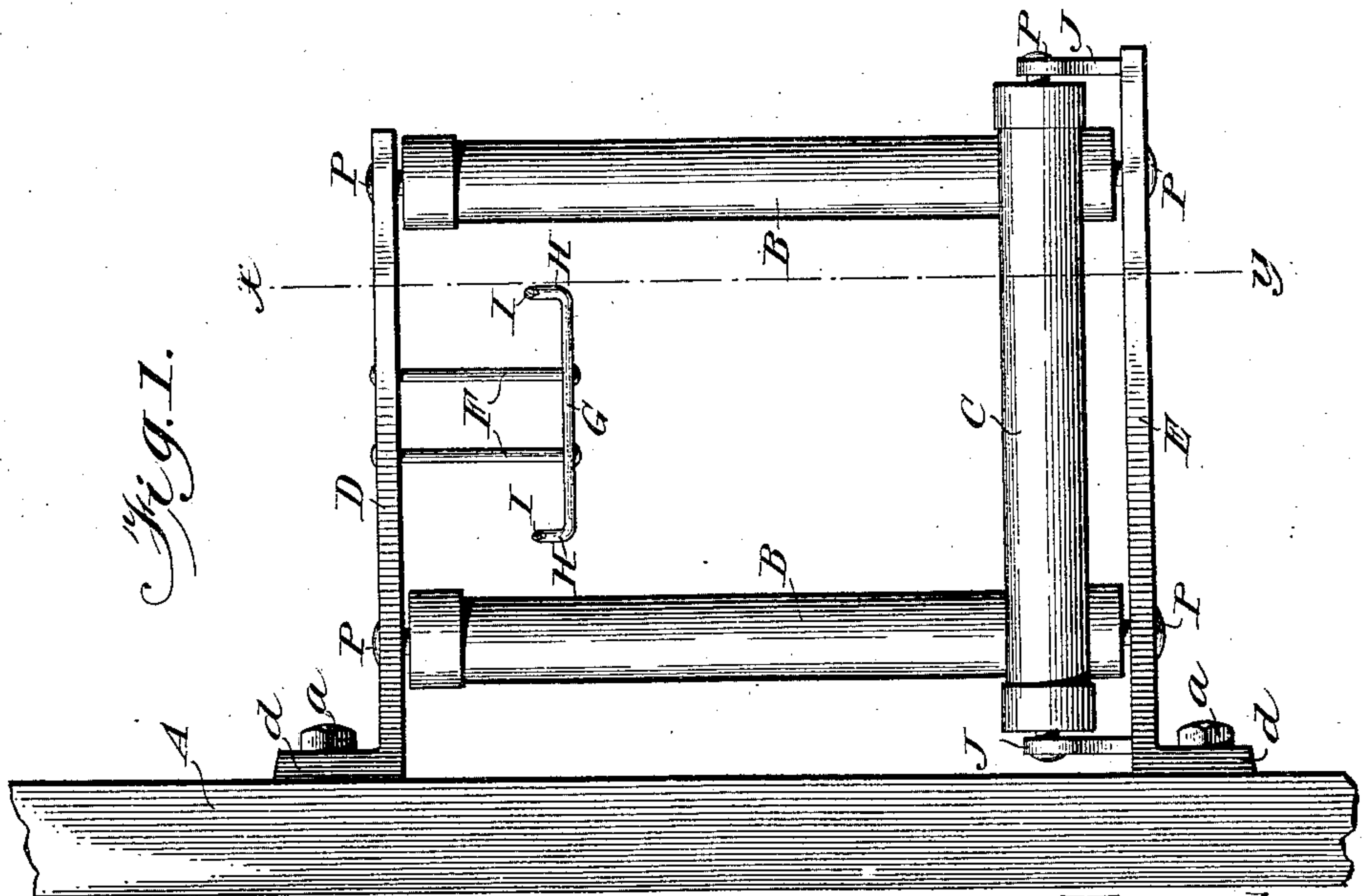


Fig. 1.

Witnesses:
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By Hiram B. Swartz Atty.

UNITED STATES PATENT OFFICE.

ALVIN A. MAURER, OF DALTON, OHIO.

MAIL-CARRIER SUPPORT.

No. 915,102.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed January 14, 1909. Serial No. 472,385.

To all whom it may concern:

Be it known that I, ALVIN A. MAURER, a citizen of the United States, residing at Dalton, in the county of Wayne and State of Ohio, have invented a new and useful Mail-Carrier Support, of which the following is a specification.

My invention relates to apparatus for delivering mail at a distance from its deposit in a carrier box, and particularly to means for supporting the cable or cables whereon the carrier box is transmitted. Its object is to provide a simple and adequate means for supporting the cables in such a manner as to accommodate bends in the course in either lateral or vertical direction without interfering with the transit of the carrier, and also to support the cable which actuates the carrier from end to end of the route, and to prevent lockage and entanglement of the operative parts, and a mail box carriage in connection.

My invention is illustrated by the accompanying drawings, in which—

Figure 1 is a side view of my carrier support or hanger; Fig. 2 is a vertical cross section of Fig. 1 on line X Y, showing also the carrier box in position on the cable.

In the drawings similar letters of reference indicate like parts.

A is a post to which the hanger is solidly attached by means of bolts *a a*.

B B are vertical rollers mounted on the frame D E by means of pivots P. For convenience of manufacture I use sections of ordinary metal pipe for the rollers with a perforated metal cap screwed on each end thereof, and insert a bolt from end to end which forms an axis for the roller, and by solidly connecting the ends of the bolt to the frame D E make the same rigid. C is a horizontal roller of like construction which is pivotally mounted in supports J, a short distance in front of the lower ends of the said vertical rollers B by means of a similar bolt which serves as an axis for the same.

F F are rods suspended from the frame D at the lower ends of which a cross bar G is attached, and the ends of this cross bar are turned upwardly, as at H, and adapted to receive and securely hold in position the cables I I. A mail box L is adapted to be carried on said cables on flanged wheels K, and to be drawn back and forth by means of an attached cable S, the said cable being supported by the horizontal roller C and kept in

position thereon by the vertical rollers B, which also serve to prevent the mail box from lockage as it passes between and over the same. By these means the course of the supporting cables I may be turned at each hanger without interfering with the transit of the mail box or the propelling cable S, and a simple and efficient mechanism is afforded for transporting the mail box from end to end of the line any reasonable distance from point of delivery or variation in the direction either laterally or vertically.

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

1. In a mail carrier apparatus, a support or hanger comprising a pair of parallel vertical rollers mounted in a frame, a cable support suspended between said rollers, a horizontal roller mounted a short distance in front of the lower ends of said vertical rollers, means for pivotally supporting said rollers in relative position, and means for attaching said hanger to a standard, substantially as set forth and for the purpose specified.

2. In a mail carrier device, a hanger for cables, comprising a pair of parallel vertical rollers pivotally mounted in a frame, a cable support suspended between said rollers, a transverse roller pivotally mounted in said frame in front of said vertical rollers and across their lower ends and means for attaching said hanger to a standard, substantially as set forth and for the purpose specified.

3. In a mail carrier apparatus, the combination with a hanger comprising a pair of parallel vertical rollers pivotally mounted in a frame, a transverse roller pivotally mounted in said frame horizontally in front of the lower ends of said vertical rollers, a cable support suspended between said vertical rollers, a cable secured thereon, a mail box suspended from flanged pulleys on said cable, a cable attached to said mail box adapted to be actuated between said rollers over said horizontal roller, and means for attaching said hanger to a support, substantially as set forth and for the purpose specified.

In witness whereof I hereunto set my hand.
ALVIN A. MAURER.

Witnesses:

W. W. MARTIN,
W. H. WINKLER.