C. E. YOUNG.

MAIL DELIVERY.

APPLICATION FILED MAR. 27, 1908.

906,598. Patented Dec. 15, 1908.

3 SHEETS—SHEET 1.

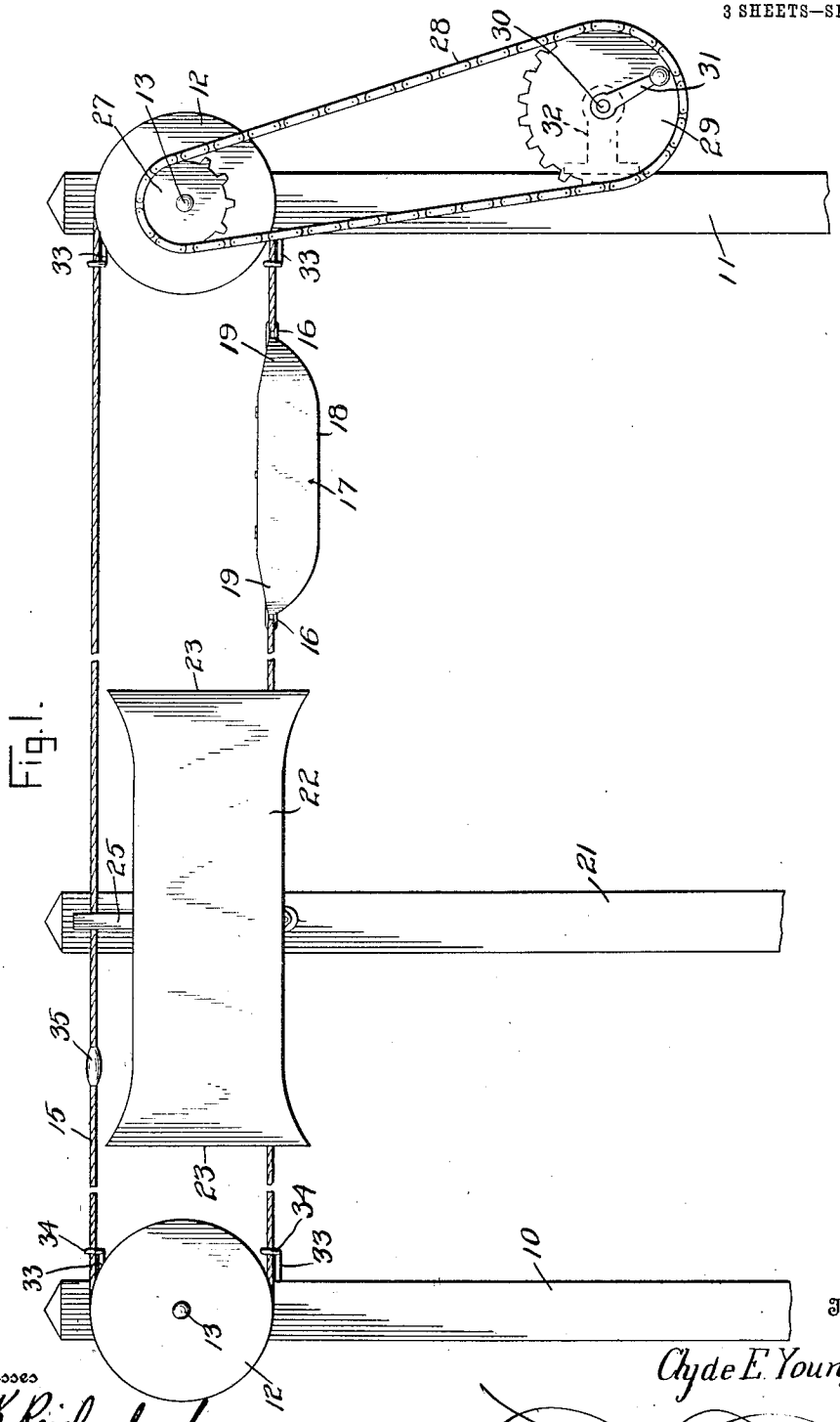


Fig. 1.

Witnesses

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3 SHEETS—SHEET 2.

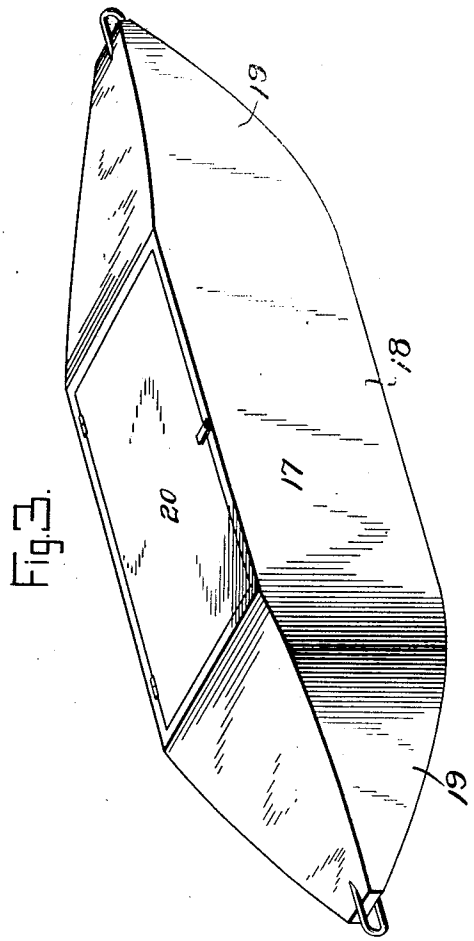


Fig. 3.

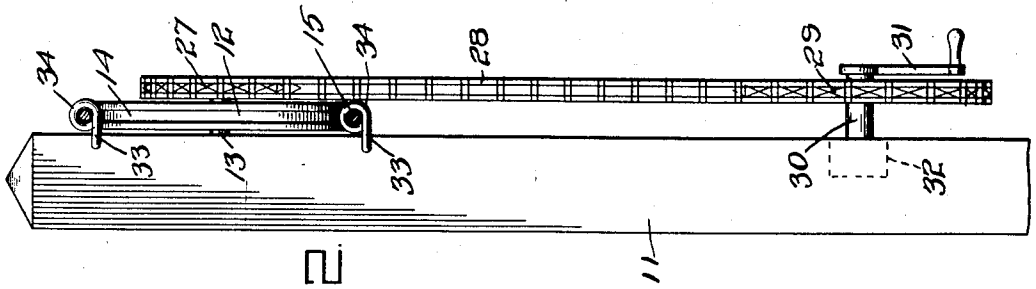


Fig. 2.

Witnesses

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3 SHEETS—SHEET 3.

Fig. 4.

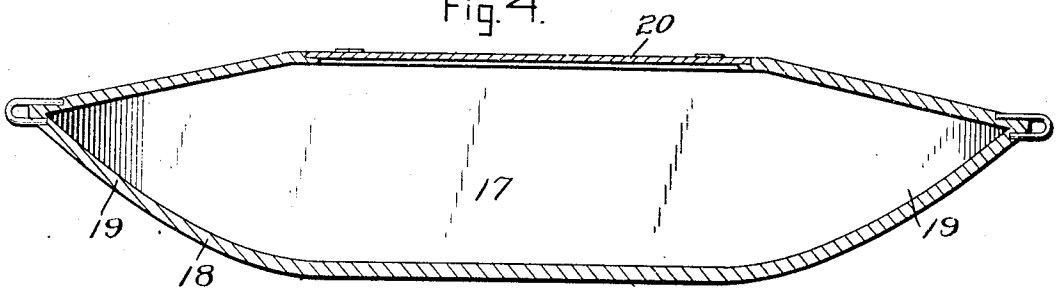


Fig. 5.

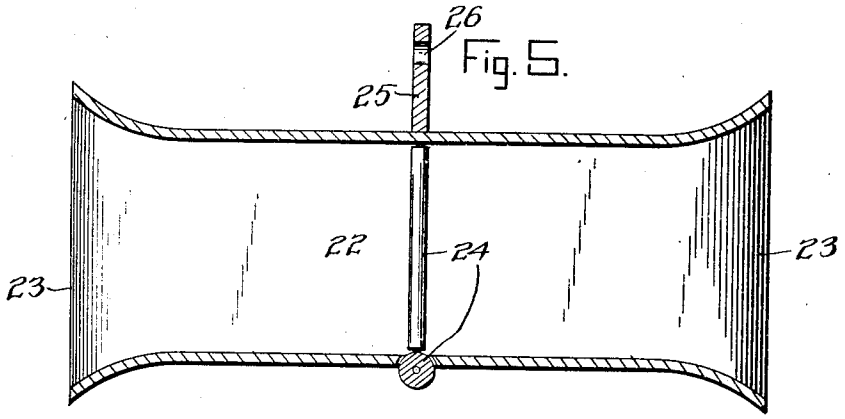
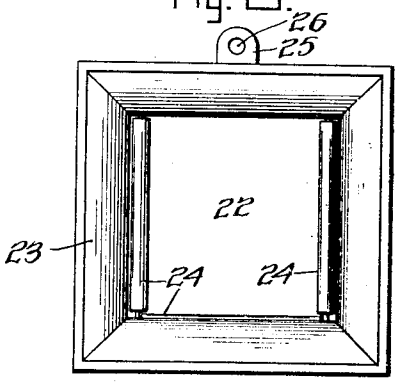


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

CLYDE E. YOUNG, OF ERDAHL, MINNESOTA.

MAIL-DELIVERY.

No. 906,598. Specification of Letters Patent. Patented Dec. 15, 1908.

Application filed March 27, 1908. Serial No. 423,723.

To all whom it may concern:

Be it known that I, CLYDE E. YOUNG, a citizen of the United States, residing at Erdahl, in the county of Grant, State of Minnesota, have invented certain new and useful Improvements in Mail Deliveries; 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.

The invention relates to a conveying apparatus and more particularly to an apparatus for transporting mail from one locality to another, and is especially adapted for use in connection with rural delivery routes where the point of the delivery and collection of the mail is located at a distance from the residence or place of business of the person for whom the mail is intended.

The primary object of the invention is the provision of a conveying apparatus having grooved pulley terminals arranged at a distance from each other, a cable trained over the grooved portion of the pulley terminals and having its free ends connected to a receptacle such as a letter box for receiving letters, packages, and the like, which receptacle is adapted to be moved from one terminal to the other by manipulation of the cable, and tunnels arranged intermediate the terminals through which the receptacle passes for aiding the travel and also forming supports for the cable to prevent sagging thereof.

Another object of the invention is the provision of a conveying apparatus including a cable and a receptacle carried thereby for receiving mail and other articles adapted to be transported from one locality to another, said cable having means thereon to indicate the position of the receptacle when the latter has reached the end of its course.

A further object of the invention is the provision of a conveying apparatus which is simple in construction, durable, efficient in operation and inexpensive in the manufacture.

In the drawings accompanying and forming part of this specification is illustrated in detail one advantageous form of embodiment of the invention which, to enable those skilled in the art to practice said invention, will be set forth at length in the following description, while the novelty of the invention will be included in the claims succeeding said description.

In the drawings Figure 1 is an elevation of the delivery apparatus. Fig. 2 is a side view of one terminal supporting a pulley and means for operating the latter. Fig. 3 is a detail view of the mail receiving receptacle. Fig. 4 is a longitudinal sectional view thereof. Fig. 5 is a longitudinal sectional view of one tunnel included in the apparatus. Fig. 6 is an end view thereof.

Similar characters indicate corresponding parts throughout the several views.

In the drawings the numerals 10 and 11 designate the terminal posts arranged at any suitable distance apart with respect to each other and may be of any suitable shape and material, though preferably of wood and of square shape and cross section. Near the upper end of each terminal post 10 and 11 is mounted a pulley wheel 12 which is pivotally connected to said post as at 13. In the peripheral edge of each pulley is a groove 14 for receiving a cable 15, the latter having its free ends provided with loop members 16 forming fastenings for securing said ends to a receptacle 17 adapted to receive mail or other articles for transportation from the terminal post 10 to the terminal post 11 and includes a boat shaped casing 18, producing tapering ends 19 and a hinged cover 20 forming a closure for said receptacle. Intermediate the terminal posts 10 and 11 are posts 21, the same being spaced a suitable distance from each other. Mounted upon the upper extremity of each post 21 is a casing 22 having flared opposite end mouth portions 23 and which forms a tunnel through which the receptacle 17 passes during its travel from one terminal post to another. At the interior of each casing 22 and on each side thereof are frictional rollers 24 for contacting with the receptacle 17 when passing through the tunnels and also over which passes the cable 15 to prevent sagging thereof intermediate the terminal posts.

Projecting upwardly from the casings 22 is lug 25 having an opening 26 for receiving and through which passes the cable 15 and thereby forming supporting brackets for such cable. Fixed to the pulley 12, carried by the terminal post 11, is a sprocket wheel 27, over which passes a sprocket chain, 28, the latter trained over a driving sprocket 29

having a journal 30 terminating in a crank 31. Said journal has its bearings in a bracket 32 carried by the terminal post 11. On each terminal post 10 and 11 are brackets 33 having eyes 34 through which passes the cable 15 and is adapted to form a stop to limit the movement of the receptacle 17 at the said terminals respectively. Midway between the free terminals of the cable 15 is a member 35 adapted to indicate the position of the receptacle when traveling between the terminal posts 10 and 11 and also to afford means for determining when said receptacle reaches one terminal or the other.

Having described the invention, what is claimed is:—

1. A conveying apparatus comprising terminal posts, grooved pulleys connected to said posts, a cable trained over the pulleys and suspended thereby, a receptacle connected to the intermediate portion of the cable, tunnels arranged between the posts, means on the tunnels through which the cable passes to prevent sagging thereof, frictional means within the tunnels and coöperative with the receptacle, manually operable means for actuating one of the pulleys to impart movement to the cable, and terminal stops for the receptacle.

2. A conveying apparatus comprising terminal posts, grooved pulleys connected to said posts, a cable trained over the pulleys and suspended thereby, a receptacle connected to the intermediate portion of the cable, tunnels arranged between the posts, means on the tunnels through which the cable passes to prevent sagging thereof, frictional means within the tunnels and coöperative with the receptacle, manually operable means for actuating one of the pulleys to impart movement to the cable, terminal stops for the receptacle, and means on the cable to indicate the position of the receptacle between the posts.

In testimony whereof, I affix my signature, in presence of two witnesses.

CLYDE E. YOUNG.

Witnesses:

EDWIN RATHE,

EDWIN EIDAL.