

No. 847,907.

PATENTED MAR. 19, 1907.

L. COLAVECCHIO.  
ELEVATED CARRIER.

APPLICATION FILED FEB. 5, 1906.

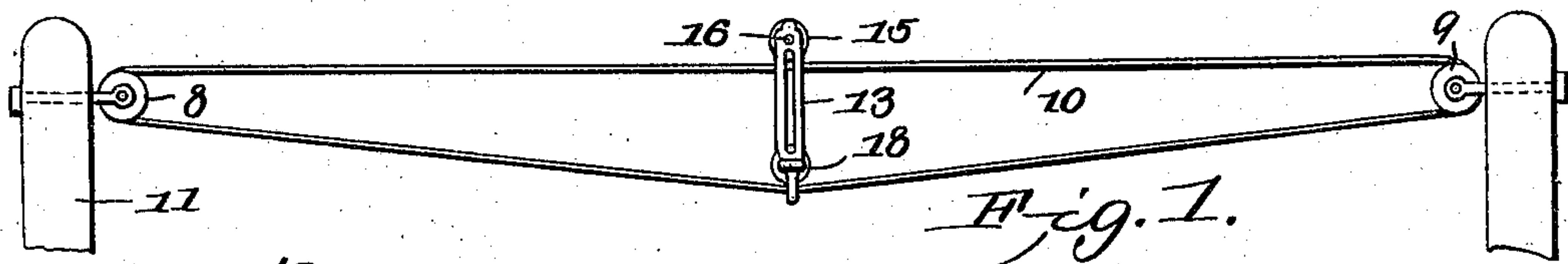


Fig. 2.

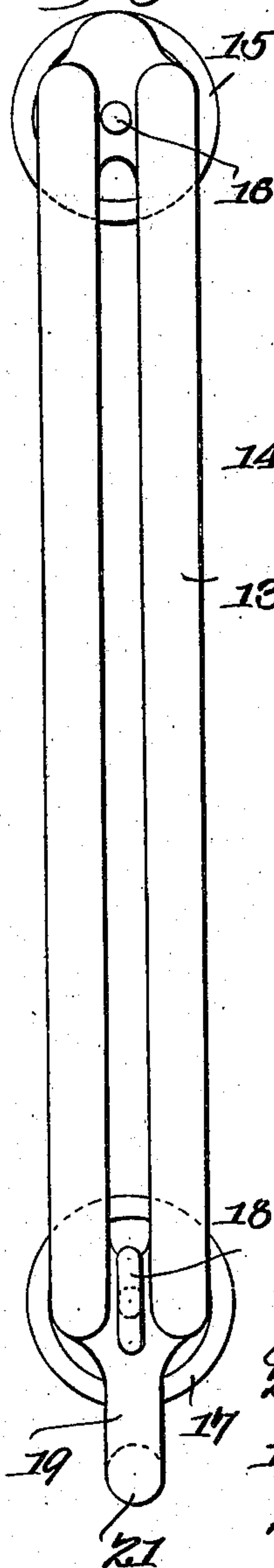


Fig. 3.

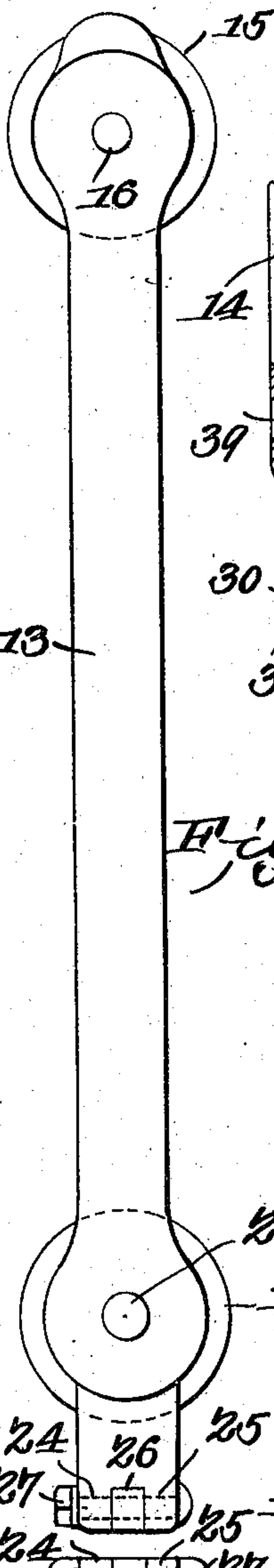
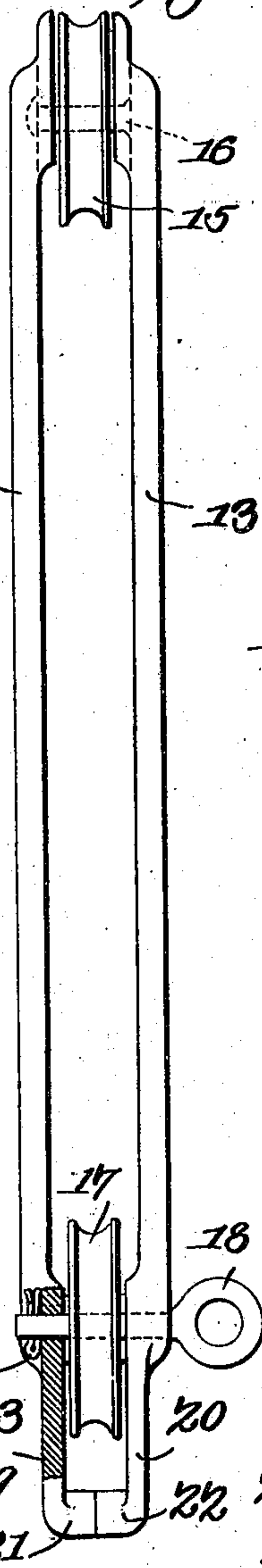


Fig. 7.

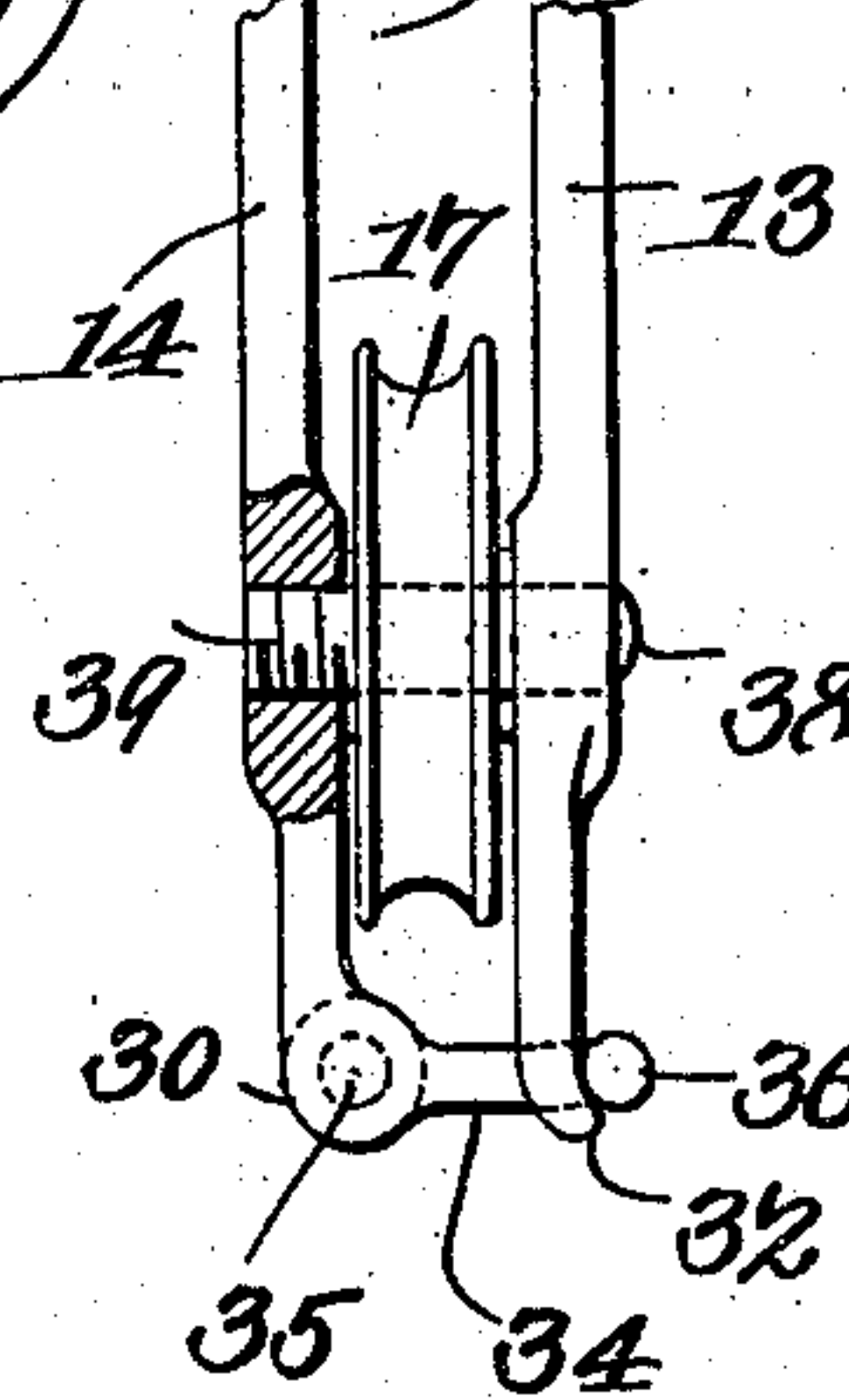


Fig. 8.

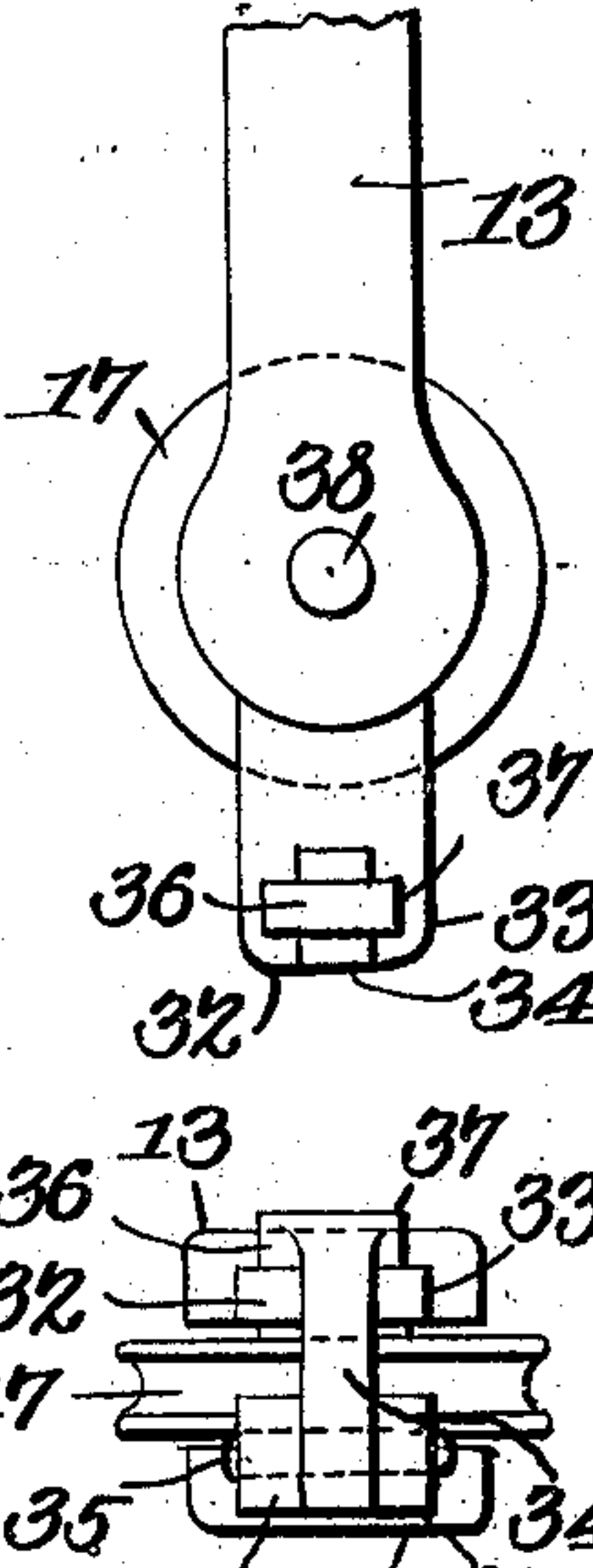


Fig. 4.

Fig. 9.

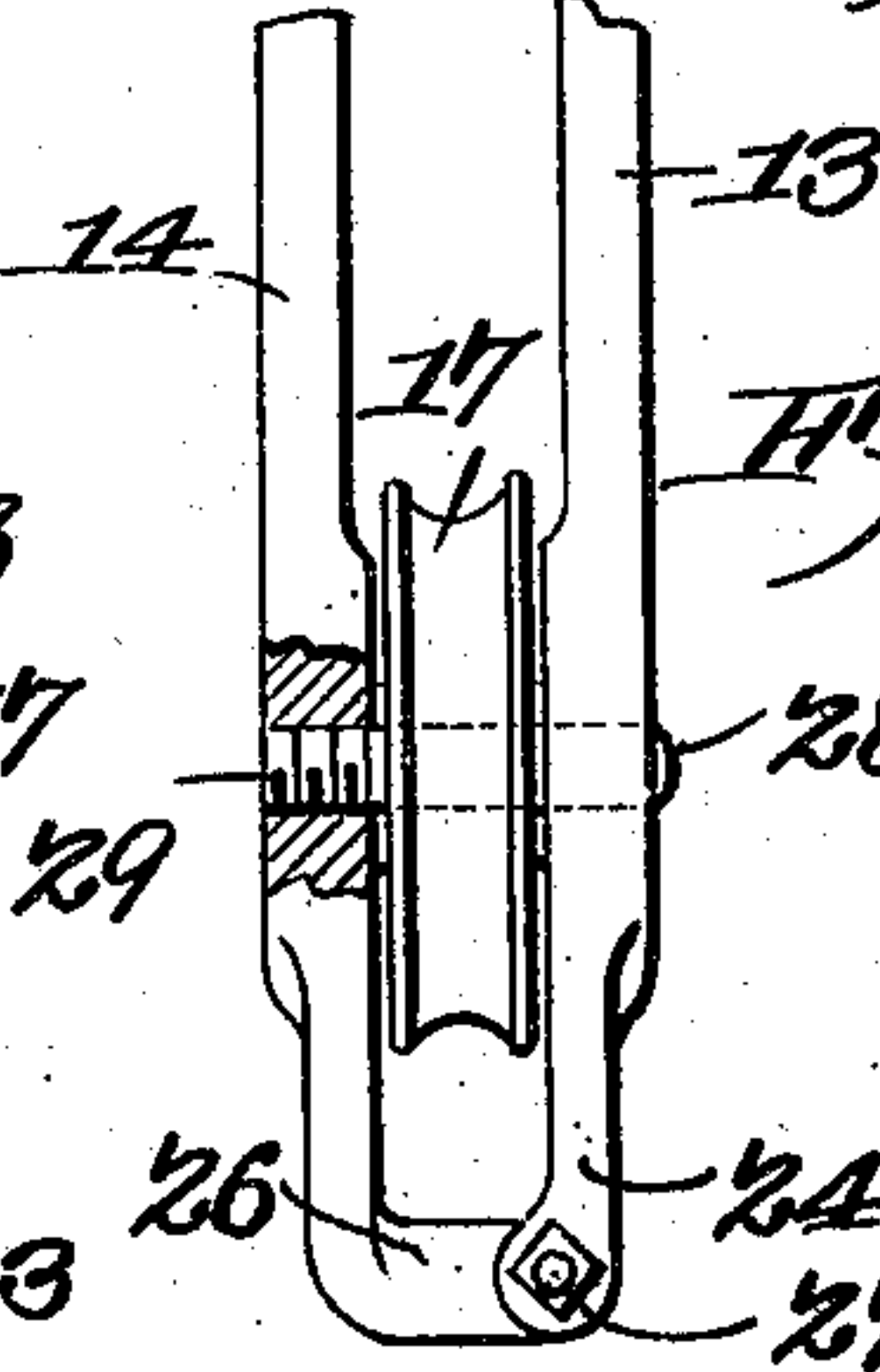
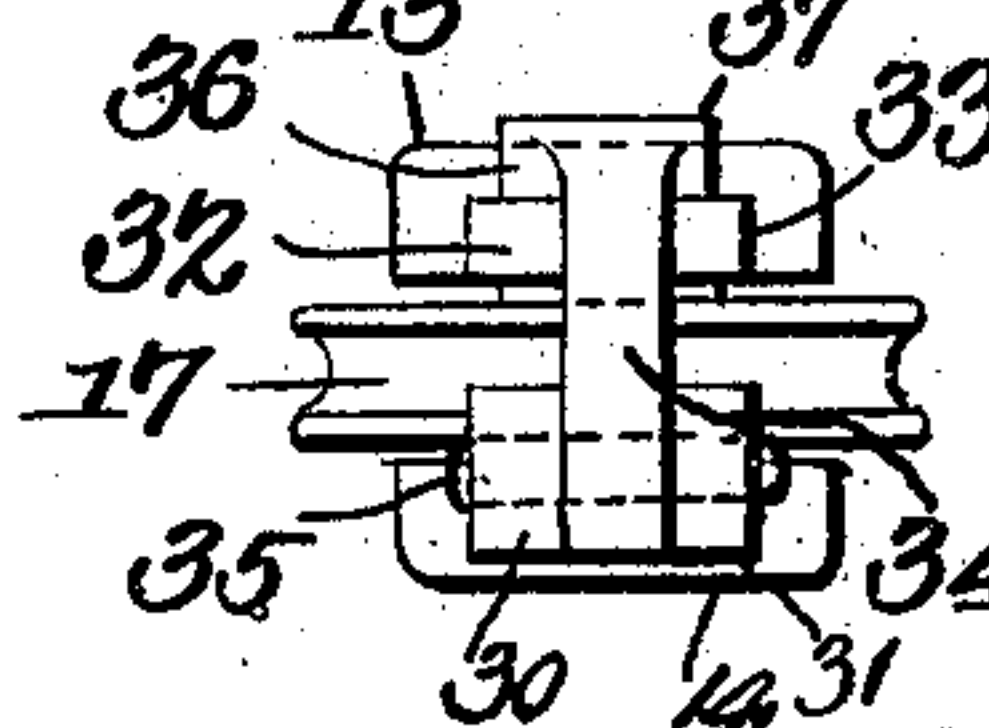
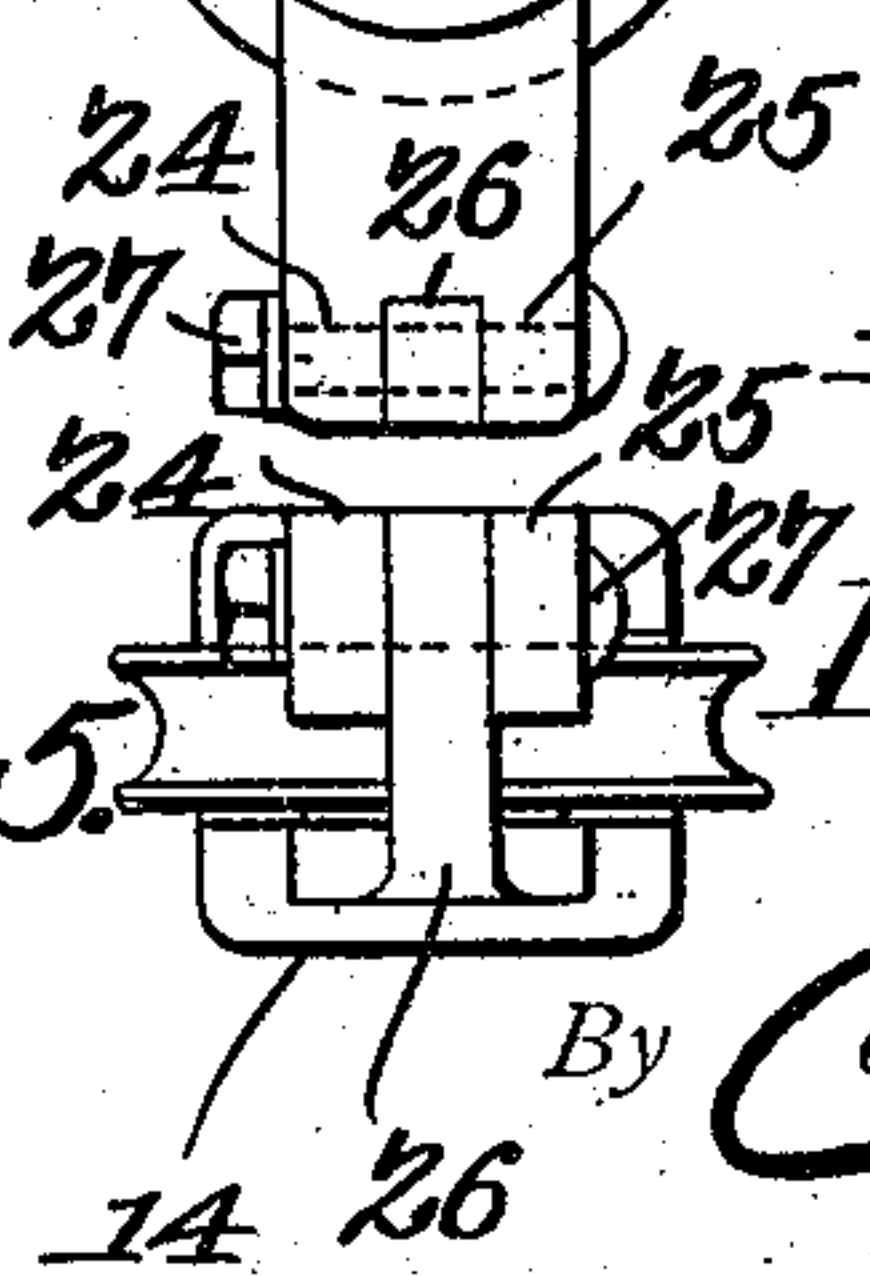


Fig. 6.

WITNESSES:

*E. H. Howard*  
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Fig. 5.



Luigi Colavecchio,  
INVENTOR.

By *C. H. Howard*  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

LUIGI COLAVECCHIO, OF MIDDLETOWN, CONNECTICUT.

## ELEVATED CARRIER.

No. 847,907.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed February 5, 1906. Serial No. 299,562.

*To all whom it may concern.*

Be it known that I, LUIGI COLAVECCHIO, a citizen of the United States, residing at Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Elevated Carrier, of which the following is a specification.

This invention relates to elevated cable-carriers, and has for its object to provide a simply-constructed device whereby the two parts of the cable are supported and prevented from becoming entangled or intertwined by the wind.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

In the drawings, Figure 1 is a side elevation of a conventional carrier structure with the improved device applied. Fig. 2 is a front view. Fig. 3 is a side view, partly in section, of the improved runner portion of the device enlarged. Fig. 4 is a front view of a modified form of the device. Fig. 5 is an end elevation of the same. Fig. 6 is a side view of a portion of the modified structure shown in Figs. 4 and 5. Fig. 7 is a side view. Fig. 8 is a front view, and Fig. 9 is an end view, of a portion of the device illustrating another modification in the construction.

In this improved apparatus is embraced an endless carrier-cable 10, suitably supported as by spaced posts 11 12, carrying guide-sheaves 8 and 9, over which the cable operates.

The supporting means may be of any suitable character and located at any distance apart and at any distance from the ground, and any number of the endless cables may be employed and placed side by side or otherwise disposed.

The improved device herein described is designed to prevent the two sides of the cable from becoming entangled or entwisted by the action of the wind, and consists of two spaced bars 13 14, having a guide-sheave 15 pivoted between them at one end at 16, and a

guide-sheave 17 pivoted between them by a stud or pivot 18 near the other ends.

The side bars 13 14 are extended below the lower sheave 17 and provided with suitable fastening means which may be detached when the device is to be placed upon the endless line 10 and fastened in position to hold the bars in place and prevent either the displacement of the line or of the parts of the improved device.

In the structure shown in Figs. 1, 2, and 3 the depending portions of the side bars are reduced in size, as shown at 19 20, and the reduced portions provided, respectively, with inwardly-projecting lugs 21 22, the pin 18 being utilized to hold the parts detachably connected by means of a spring-key 23, so that when the pivotal stud 18 is removed the side bar 13 may be swung laterally on the upper stud or pivot 16, thereby to permit the device to be readily positioned on the line.

In Figs. 4, 5, and 6 the depending portion of one of the side bars is forked, as shown at 24 25, and the other bar provided with a lateral arm 26, fitting at its terminal within the forked portion and secured in position by a bolt 27, extending through apertures in the forked members and the arm.

In the structure shown in Figs. 4, 5, and 6 the lower sheave 17 is mounted upon a pivot or stud 28, threaded at 29 into one of the side bars.

In Figs. 7, 8, and 9 the depending portions of the side bars are forked, as shown at 30 31 and 32 33, the forks 30 31 having an arm 34 pivoted therein at 35 and provided with transverse lugs 36 37 at its free end for bearing against the outer faces of the forked portions 32 33.

In the structure shown in Figs. 7, 8, and 9 the lower sheave 17 is mounted upon a pivot or stud 38, threaded at 39 in one of the bars. By this simple means the device may be readily arranged upon the endless line 10 and prevent them from becoming entangled when in use.

As many of the devices may be employed upon each line as required.

Having thus described the invention, what is claimed is—

1. A device of the class described comprising an elongated frame including parallel side bars and having their upper ends spaced apart and their lower ends connected, a stationary stud connecting the upper ends of



the bars, a removable stud connecting the lower ends of said bars, and sheaves interposed between the side bars and mounted for rotation on the studs, one of said bars being  
5 movable laterally on the upper stud when the lower stud is removed.

2. A device of the class described comprising an elongated frame including parallel side bars having their upper ends spaced  
10 apart and their lower ends connected, a stationary stud extending transversely of the upper ends of the bars, a removable stud connecting the lower ends of said bars and having one end thereof provided with a terminal finger-piece and its opposite end extended beyond the adjacent side bar and provided with an aperture, a fastening device seated in said aperture, sheaves interposed between the side bars and mounted for rotation on the studs, one of said side bars being  
15 movable laterally on the upper stud when the lower stud is removed.  
20

3. A device of the class described comprising an elongated frame including parallel side bars having their upper ends spaced  
25 apart and their lower ends provided with inwardly-extending lugs disposed in contact with each other and forming a closure for one end of said frame, a stationary transverse stud connecting the upper ends of said bars, a  
30 removable transverse stud connecting the lower ends of said bars, and sheaves interposed between the bars and mounted for rotation on the studs, one of said bars being movable laterally on the upper stud when  
35 the lower stud is released.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

LUIGI COLAVECCHIO.

Witnesses:

JOHN B. COUGHLIN,  
WM. F. TEYNAU.