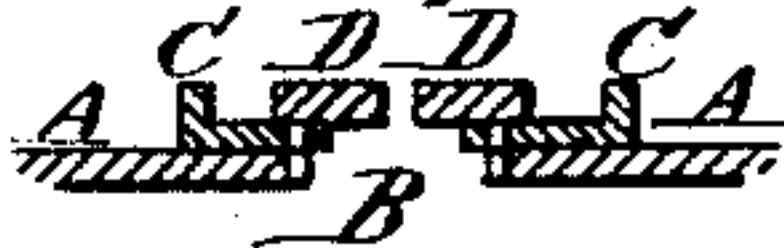
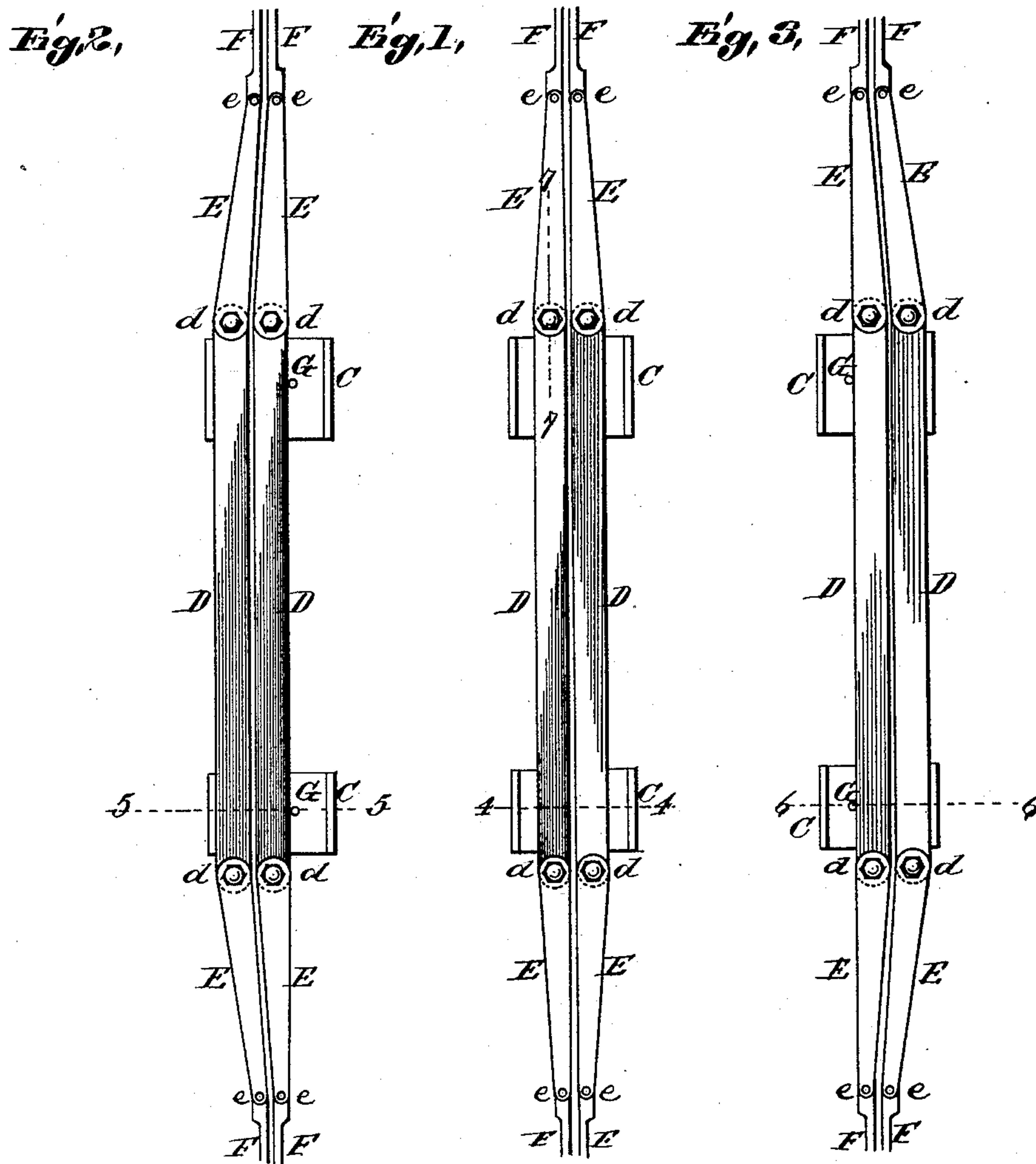


(No Model.)

R. P. WALSH.
CABLE RAILWAY.

No. 360,743.

Patented Apr. 5, 1887.



Witnesses

H. C. Knight

Edward Steer,



Inventor

Richard P. Walsh.

By his Attorneys

Attorneys
Knight Bros.

UNITED STATES PATENT OFFICE.

RICHARD P. WALSH, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-FOURTH
TO MIDDLETON D. DEGGE, OF SAME PLACE.

CABLE RAILWAY.

SPECIFICATION forming part of Letters Patent No. 360,743, dated April 5, 1887.

Application filed October 7, 1886. Serial No. 215,591. (No model.)

To all whom it may concern:

Be it known that I, RICHARD P. WALSH, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Cable Railways, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

10 Figure 1 is a top view of the improvement in working position. Figs. 2 and 3 are top views showing the improvement in other positions. Fig. 4 is a vertical cross-section at 4 4, Fig. 1. Fig. 5 is a vertical cross-section at 15 5 5, Fig. 2. Fig. 6 is a vertical cross-section at 6 6, Fig. 3. Fig. 7 is an enlarged vertical cross-section at 7 7, Fig. 1.

This is a device for changing the grip from one cable to another where there are two cables in the same conduit, and where the cable-grip is made with a grip-jaw on each side, one for each cable.

25 The device is applied to the top A A of the conduit, which at this part has a wide grip-opening, B, allowing side-play to the grip.

30 C C are supporting plates or chairs, upon which are laid rails D, that have transverse movement on the chairs. E E are rails by which the ends of the rails D are connected to the ends of the ordinary slot-rails, F, the parts being jointed together at d and e.

G G are pins by which the rails D may be held in either of the side positions. (See Figs. 2, 3, 5, and 6.)

These devices are placed at intervals along 35 the roadway, and, supposing it is desired to change from one cable to another, the change is made at one of these points.

In the operation of the device, we will suppose the right-hand cable has been in use and 40 it is desired to transfer the grip to the left-hand cable, the rails D are placed by an attendant in the position shown in Figs. 2 and 5, and the pins G inserted to hold them. When the grip comes between those rails, the right- 45 hand cable is discharged and the left-hand cable engaged. To engage the right-hand cable the parts are put in the position shown in Figs. 3 and 6.

I claim as my invention—

50 1. In a cable railway, the combination of the fixed slot-rails F, transversely-movable rails D, and connecting-rails E, substantially as set forth.

2. The combination of rails D E F, and con- 55 duit having a wide opening, B, beneath the rails D E, substantially as and for the purpose set forth.

RICHARD P. WALSH.

Witnesses:

SAML. KNIGHT,
EDW. S. KNIGHT.