

No. 724,860.

PATENTED APR. 7, 1903.

H. M. HARDING.

ATTACHMENT FOR OVERHEAD ELECTRIC CARRIERS.

APPLICATION FILED APR. 21, 1902.

NO MODEL.

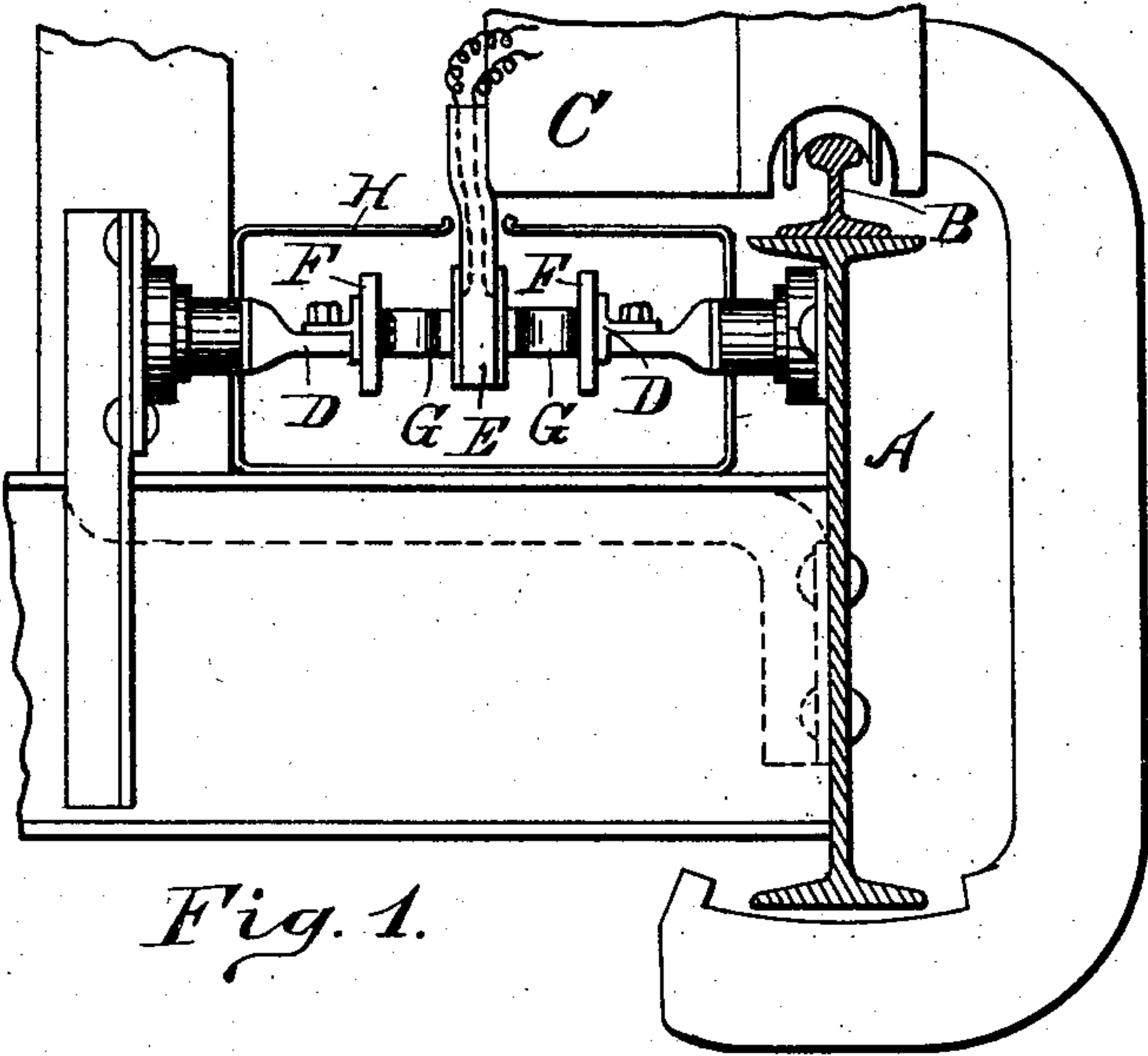


Fig. 1.

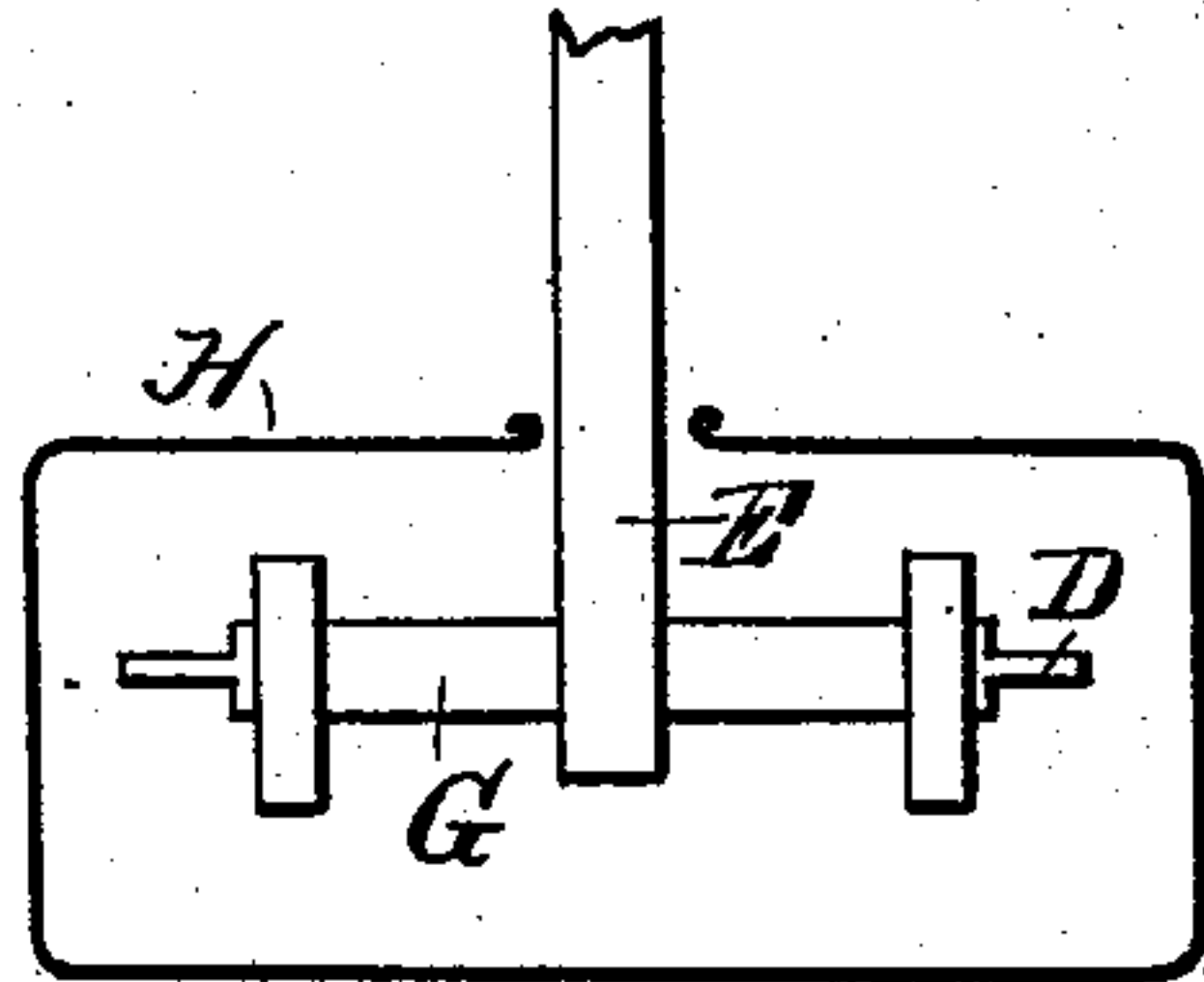


Fig. 3.

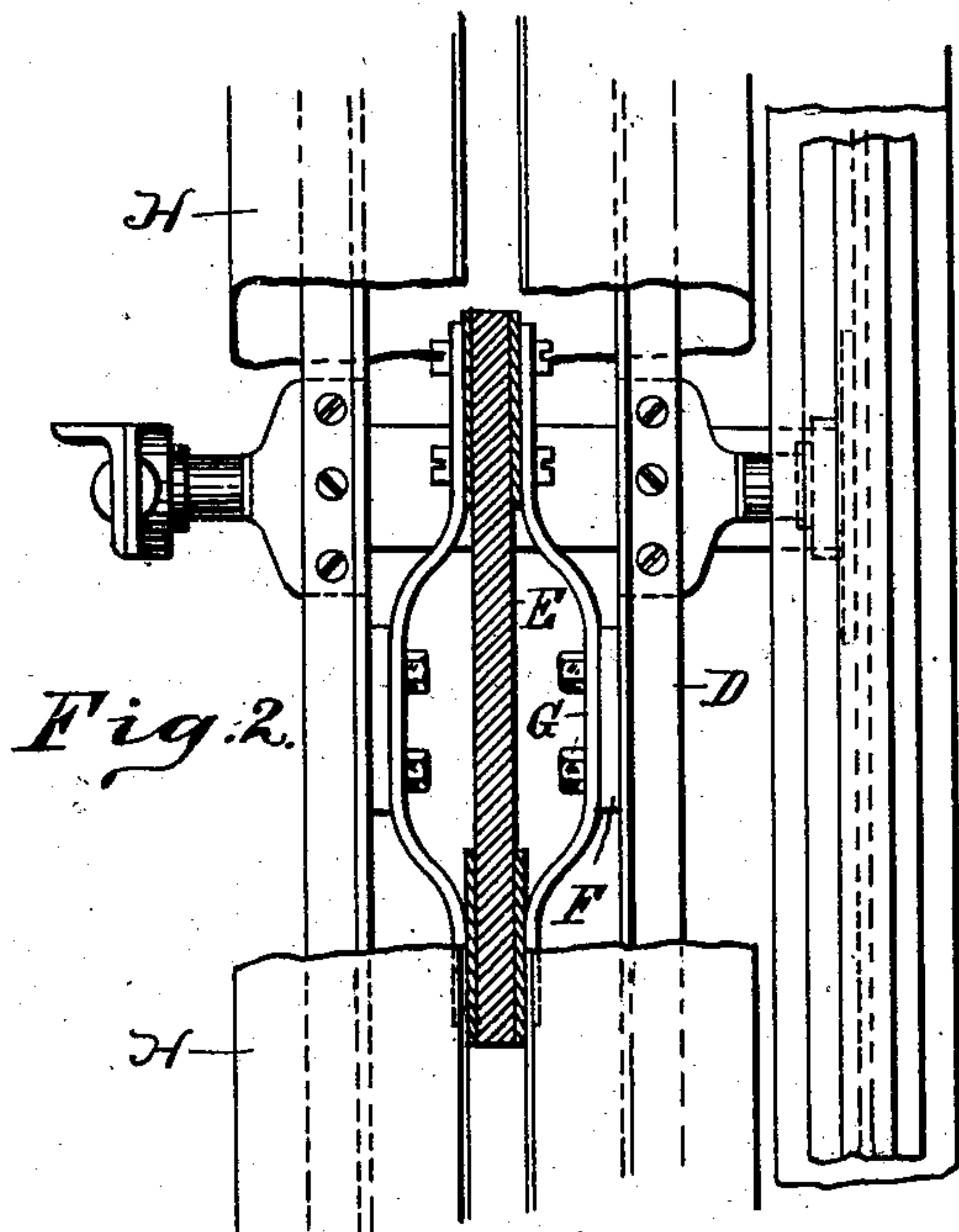


Fig. 2.

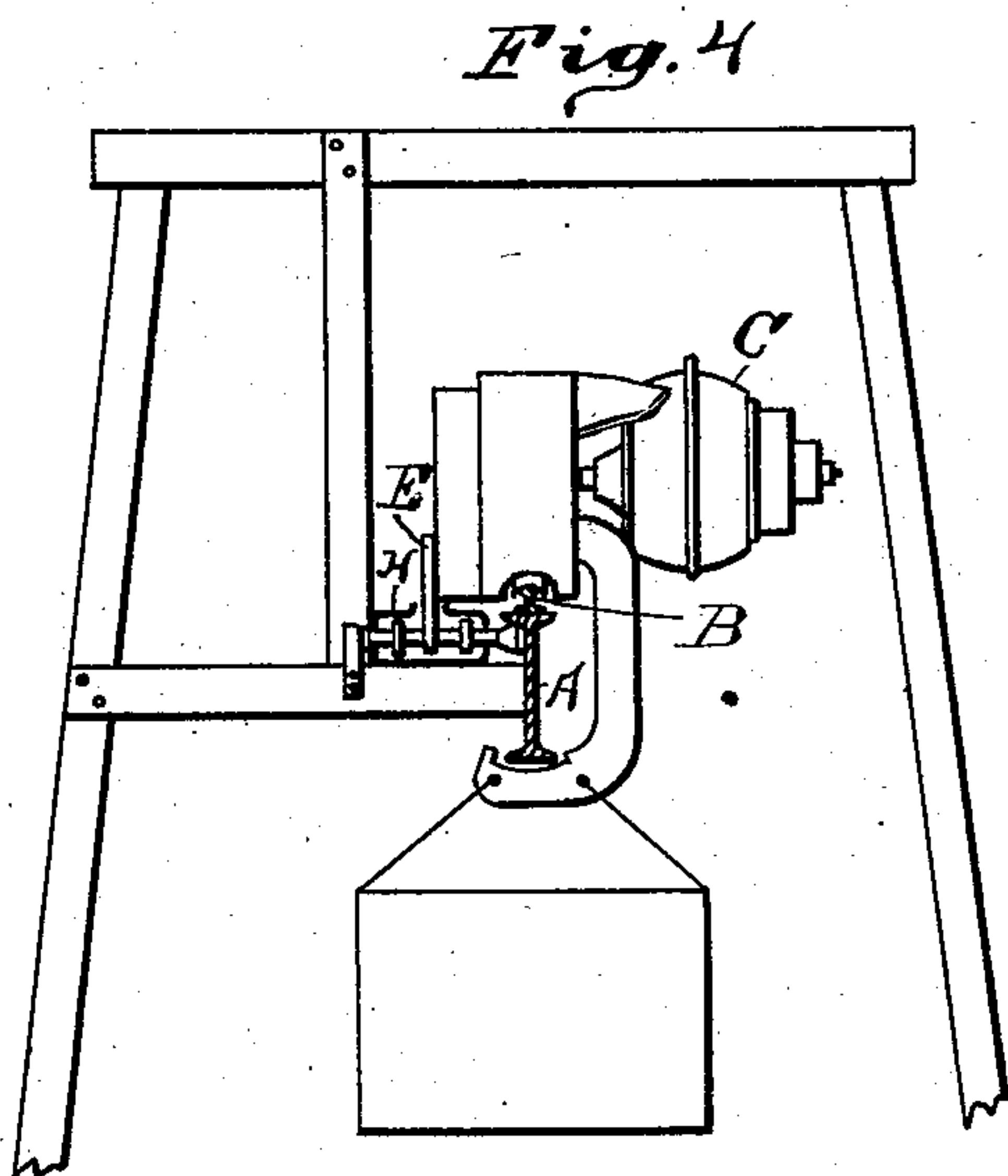


Fig. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY M. HARDING, OF NEW YORK, N. Y.

ATTACHMENT FOR OVERHEAD ELECTRIC CARRIERS.

SPECIFICATION forming part of Letters Patent No. 724,860, dated April 7, 1903.

Application filed April 21, 1902. Serial No. 103,899. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. HARDING, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented certain new and useful Improvements in Attachments for Overhead Electric Carriers, of which the following is a specification.

The object of my invention is to obviate
10 the danger of fires on docks, warehouses, piers, &c., where inflammable goods are stored from the dropping of sparks or hot metal particles from overhead electric conductors used for conveying current to electric carriers.

In the drawings of this specification, Figure
15 1 is a view showing the overhead rail, the conductors, and a portion of the electric carrier. Fig. 2 is a plan view of the same, parts being shown in section and other parts broken
20 away. Fig. 3 is a diagrammatic view further illustrating the invention. Fig. 4 is a sectional view showing the apparatus complete with the carrier.

A represents a girder or beam of the structure which supports the rail B, on which
25 runs the electric carrier or telfer C.

D represents the electric conductors supplying the current for the carrier, these being of well-known shape and being insulated from
30 their support in the customary manner.

E represents the plow, attached to the electric carrier, which plow carries the contact-shoes F, which are normally forced out by
35 springs G against the conductors D. This is an ordinary and well-known construction and need not be described further.

Surrounding the electrical conductors on the top, side, and bottom is a casing H, which

may be of sheet metal or any desired non-inflammable material. This casing has at the
40 top a slot through which the plow of the electric carrier passes. At the sides are orifices through which the supports for the electric conductors pass, as clearly illustrated in Fig. 1. These orifices are made the same size as
45 the supports. It will be seen from this construction that sparks or pieces of molten or hot metal falling from the conductor or from the contact-pieces will be caught and retained in the casing, thus entirely obviating all dan-
50 ger from fire. The slot may be on the side or on any place save the bottom of the casing.

What I claim, and desire to secure by Letters Patent, is—

1. In a device for overhead electric carriers, 55 the combination with the conductors for the electric current of a protective casing surrounding said conductor in such a manner as to prevent the falling of sparks or the like, substantially as described. 60

2. In a device for overhead electric carriers, the combination with the conductors for the electric current of a protective casing surrounding said conductor in such a manner as to prevent the falling of sparks or the like, 65 said conductor being provided with an orifice or slot through which the plow of the electric carrier passes, substantially as described.

In testimony whereof I have hereunto set my hand, in the city, county, and State of
70 New York, this 10th day of April, 1902.

HENRY M. HARDING.

In presence of—

LOUIS N. WHEATON,
E. M. HARMON.