

(No Model.)

T. W. FLYNN.

FRICTION ROLLER FOR WIRE CABLES.

No. 319,217.

Patented June 2, 1885.

Fig. 1.

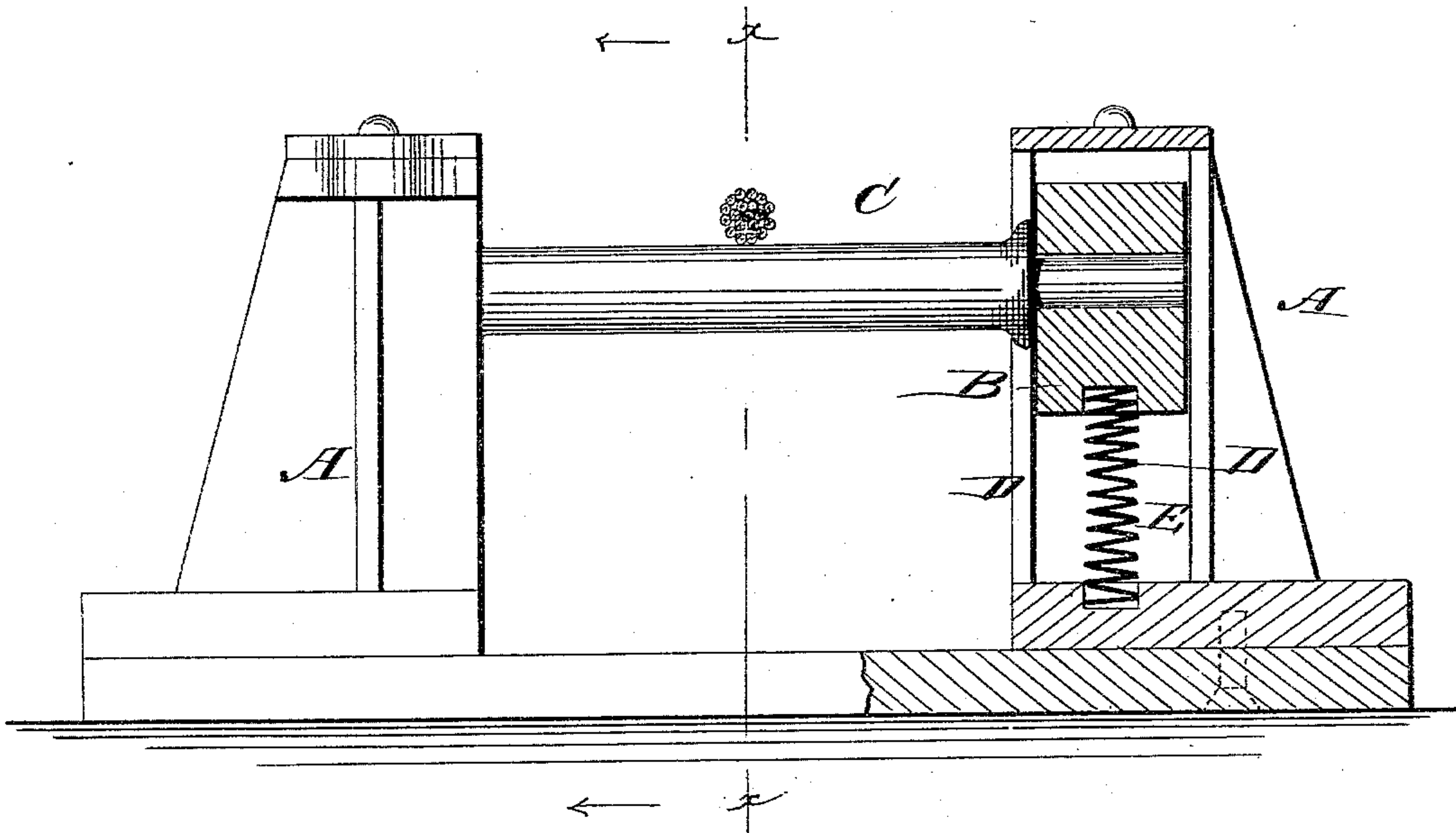
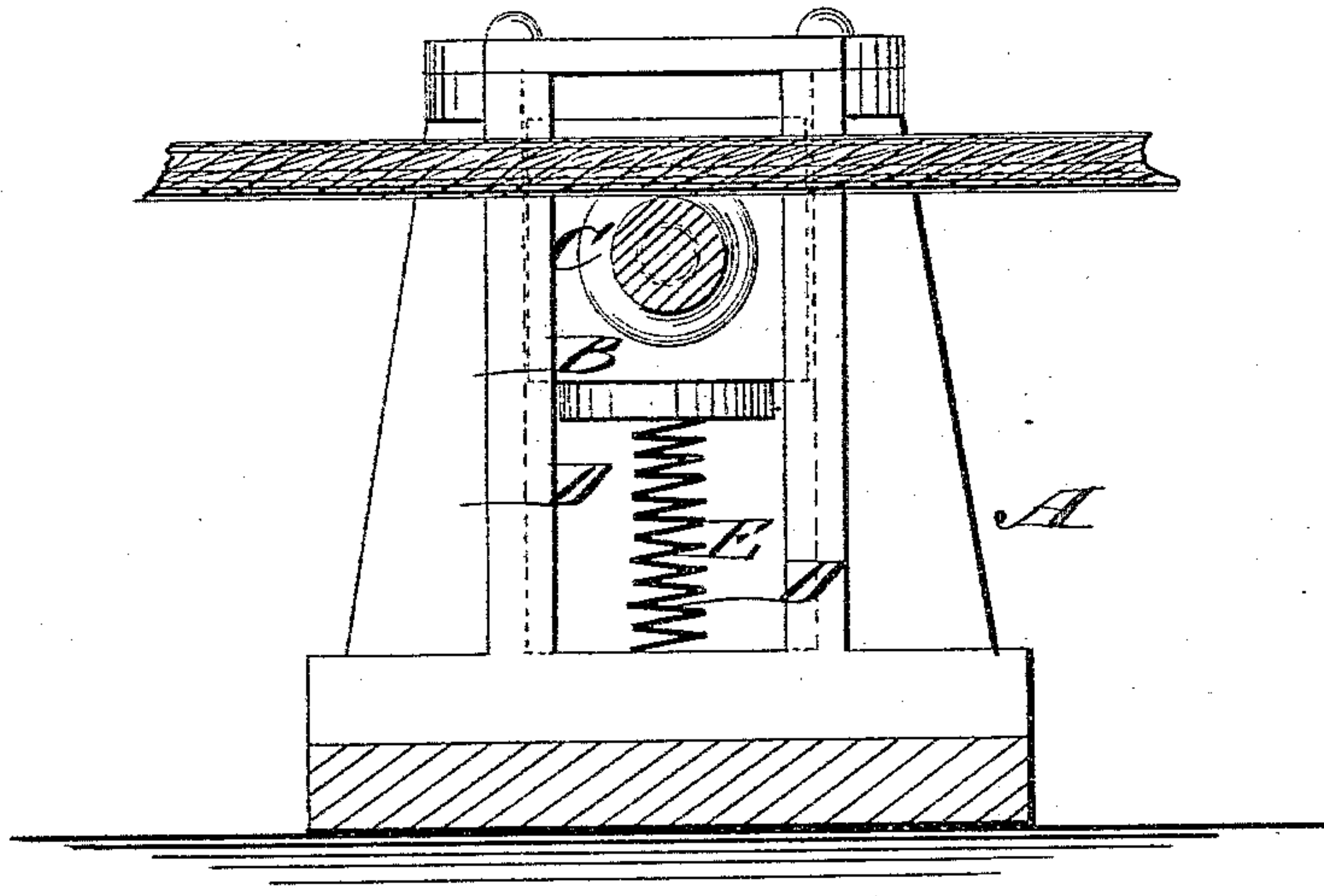


Fig. 2.



WITNESSES:

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THOMAS W. FLYNN, OF POTTSVILLE, PENNSYLVANIA.

FRICTION-ROLLER FOR WIRE CABLES.

SPECIFICATION forming part of Letters Patent No. 319,217, dated June 2, 1885.

Application filed October 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. FLYNN, of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented a new
5 and useful Improvement in Friction-Rollers for Wire Cables, of which the following is a full, clear, and exact description.

My invention consists in an improved friction-roller for use with running wire cables
10 where they need support, and is so constructed and arranged as to prevent rapid wear on either the cable or roller, as hereinafter described and claimed.

Reference is to be had to the accompanying
15 drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional elevation of the roller and its supports, and Fig. 2 is a transverse
20 section on line *x x* of Fig. 1.

A A are stands fixed to their base or support and carrying the boxes B, in which the roller C is journaled. The boxes B are held
25 in place by guides D on the stand, so that they are free to move vertically, and are pressed upward by spiral springs E beneath them. The roller C is preferably made of wood, so as not to wear the cable. These rollers may be

used at mine slopes and levels, in street cable railways, and wherever a running cable is
30 used, either to prevent sagging or at changes of level or direction. The stands are to be set according to the special location. The roller being allowed by the springs to give way to pressure and also turning freely, the wear is
35 reduced to a minimum. The roller also allows a limited amount of side sway of the cable instead of confining it as grooved wheels do, and thus furnishes a wider wearing-surface. The stands protect the boxes, and, if desired,
40 a casing covering all except the roller may be placed around the stands.

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

1. The friction-roller C for wire cables, 45 formed with a plain cylindrical surface to allow lateral play to the cable, and spring-boxes for supporting the ends of said rollers.

2. The combination of the roller C, boxes B, stands A, and springs E, substantially as de- 50 scribed, for use with wire cables, as specified.

THOMAS W. FLYNN.

Witnesses:

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