

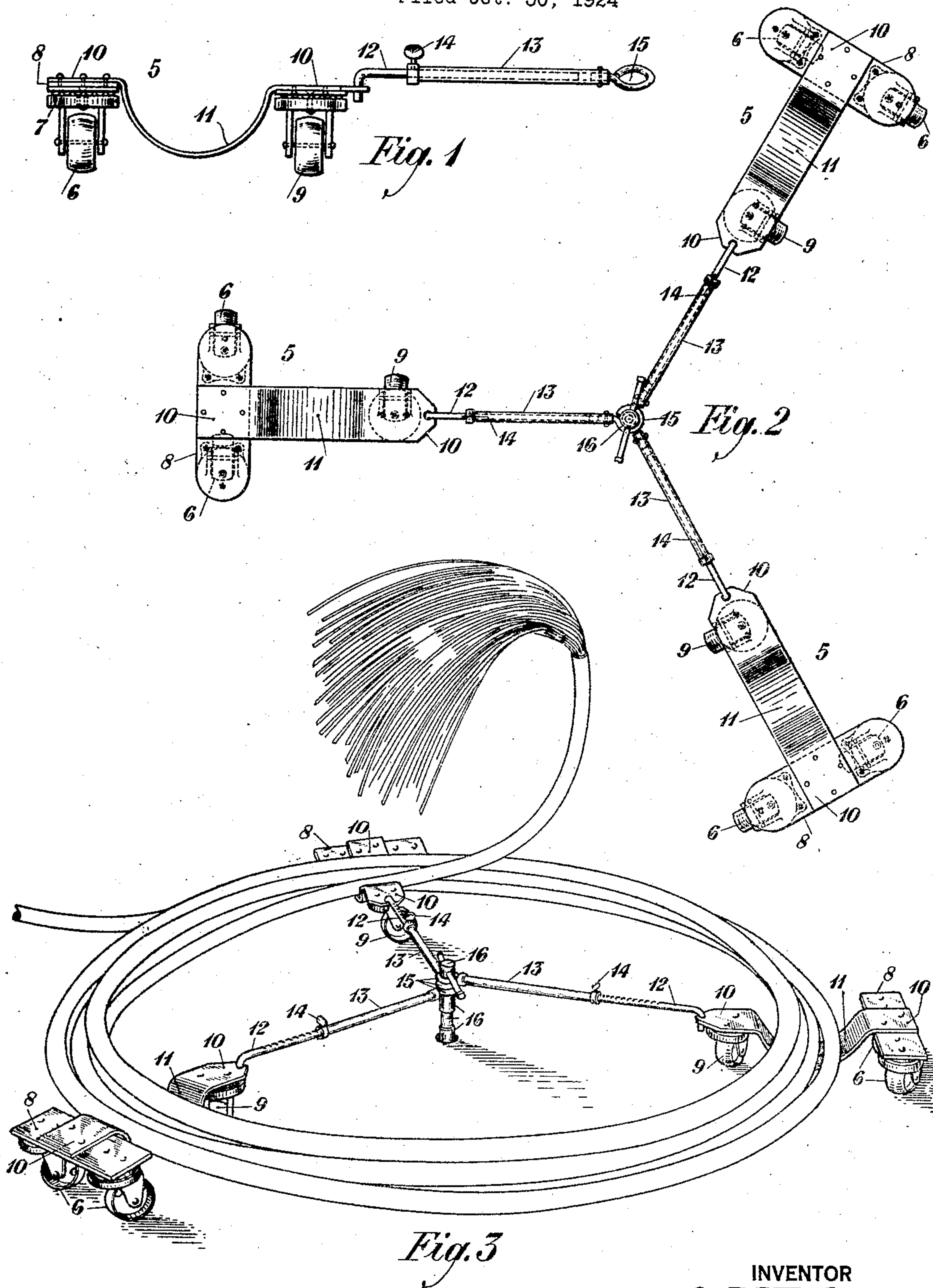
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C. M. HERBERT

DEVICE FOR COILING CABLES

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UNITED STATES PATENT OFFICE.

CLIFFORD M. HERBERT, OF BROOKLYN, NEW YORK, ASSIGNOR TO AMERICAN TELEPHONE AND TELEGRAPH COMPANY, A CORPORATION OF NEW YORK.

DEVICE FOR COILING CABLES.

Application filed October 30, 1924. Serial No. 746,900.

To all whom it may concern:

Be it known that I, CLIFFORD M. HERBERT, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Devices for Coiling Cables, of which the following is a specification.

This invention relates to devices for coiling cables, and more particularly to arrangements of this character which are adapted for coiling house cables.

It is the practice in the installation of house cables in a building to take measurements of the distance between the floors in which the cable is to be placed. The right lengths of cable are then cut and spliced into a cable or riser which is to be installed in the building. Considerable difficulty has been experienced in the formation of the cable with its spliced portions into a comparatively compact coil which may be easily transported and readily installed. Accordingly, it is an object of this invention to provide a simple and comparatively inexpensive device for coiling house cables in an expeditious manner, so that their transportation and installation may be accomplished with a minimum amount of time and labor. This and further objects will be apparent from the following description, when considered in connection with the accompanying drawing, in which one embodiment of the invention is illustrated.

In the drawing, in which like characters of reference designate similar parts throughout, Figure 1 is a side elevation of one of the truck members used with the device; Fig. 2 is a top plan view illustrating the relative positions of a plurality of truck members; and Fig. 3 is a perspective view of the improved device.

Referring to the drawing, the numeral 5 represents truck members of which there are three illustrated in the present instance. Each of the truck members 5 are provided at their outer sides with a pair of rollers 6, the trunnions of which are journaled in the flanges depending from the lower parts of the casings 7 in which are positioned ball-bearings or other similar members which are adapted to swivel or trail. The upper portions of the casings 7 are connected by a metal strap 8 which may be riveted or otherwise secured thereto, and this strap serves to hold the pair of rollers 6 together.

At the inner side of the truck members, single roller elements 9 are provided, and these may be fashioned similarly to either of the pair of rollers 6. Saddle members 10 connect the single rollers 9 with the outer pair of rollers 6 to form the unitary trucks 5. These saddle members, which may be composed of any suitable metal, have their ends lying in a horizontal plane, and the intermediate portions 11 thereof are bent downwardly in substantially semi-circular form. The outer ends of the saddle members 10 are riveted or otherwise secured to the straps 8, and the inner ends of the saddle members 10 are secured to the upper ball-bearing casings of the rollers 9. The trucks when thus formed are of substantially T-shaped form.

The inner ends of the saddle members 10 extend beyond the edges of the ball-bearing casings of the rollers 9, and terminate in blunt points in which openings are provided. Although the present construction is indicated as having rods 12 with L-shaped ends which pivotally register in these openings, said rods may be rigidly affixed to the extended ends in any suitable manner, and the remaining portions of said rods may be telescopically positioned within hollow cylindrical pipes 13. Thumb screws 14 are threaded through the members 13 and engage notches cut on the upper surfaces of the rods 12 for the purpose of holding the members 12 and 13 in their adjusted position. The ends of the members 13 are provided with circular eyelets 15 which may be affixed thereto in any desired manner. These eyelets positioned one upon the other, encircle a pin 16 which is secured to the floor centrally of the truck members 5, so that the arms comprising the members 12 and 13, with the pin 16 as an axis extend radially therefrom to the truck members 5 and permit the rotation of the truck members about the pin. The central pin 16 may be screwed or attached to the floor in any suitable manner, and when the eyelets 15 of the radial arms are in encircling position thereon, a threaded coupling having a cross-pin is screwed down on the central pin 16 to prevent the displacement of said eyelets.

In the operation of the device, which in the present instance consists of three small trucks, the central pin is screwed into the floor of the workshop where the coil is to

be wound. The device may be placed near a splicer's bench, and as the cable is spliced it is coiled by a helper as the trucks are rotated around the central pin. When a
5 sufficient length of coil is placed upon the device, the central pin is removed from the floor and the radial arms are removed from the small trucks, and the cable is pulled
10 over to its proper location ready for shipment.

What is claimed is:

1. A device for coiling cable comprising a plurality of saddle members, rollers for each of said members, means centrally
15 positioned with respect to said saddle members, and slidingly adjustable arms extending radially from and connecting said means with said saddle members.

2. A device for coiling cable comprising a
20 plurality of truck members having rollers at either end thereof, a saddle member disposed between said rollers, a central pin, and arms extending radially therefrom to said truck members to so position them as to permit the

seating of the convolutions of cable upon the
saddle members. 25

3. A device for coiling cable comprising a plurality of saddle members of substantially semi-circular form, rollers positioned at either end of said members, means centrally
30 positioned with respect to said saddle members, and adjustable arms extending radially from and connecting said means with saddle members.

4. A device for coiling cable comprising a
35 plurality of truck members having rollers at either end thereof, a saddle member of substantially semi-circular form disposed between said rollers, a central pin, and adjustable arms pivotally attached to said pin and
40 extending radially therefrom to said truck members to so position them as to permit the seating of the convolutions of cable upon the saddle members.

In testimony whereof, I have signed my
45 name to this specification this 29th day of October 1924.

CLIFFORD M. HERBERT.