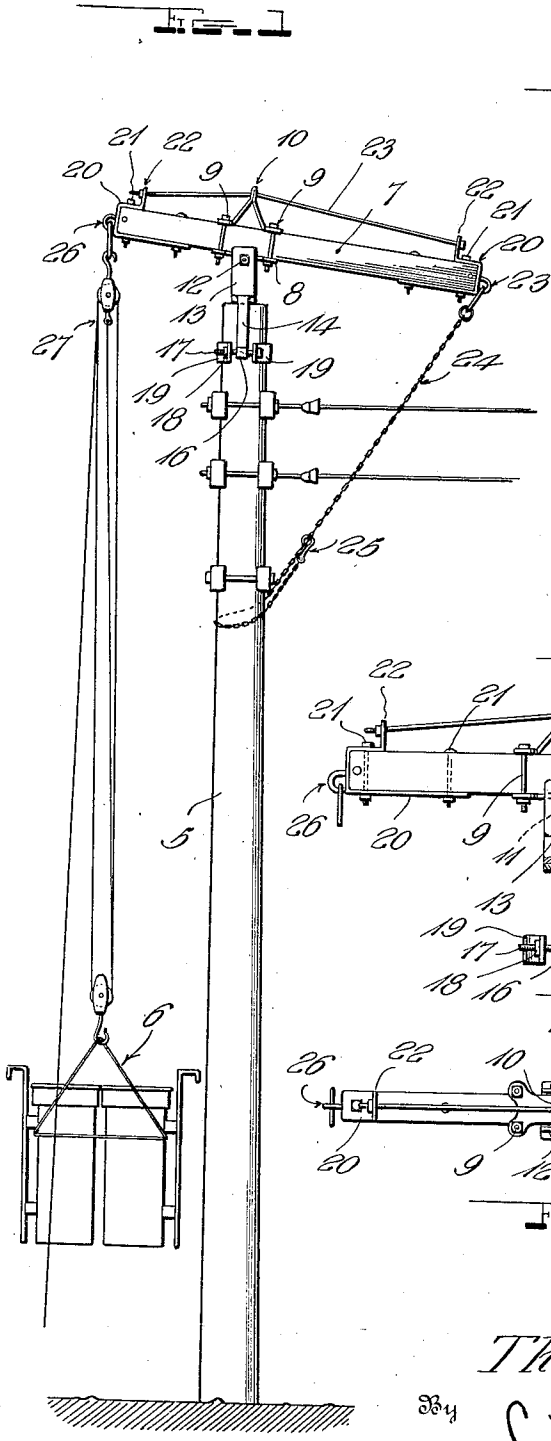
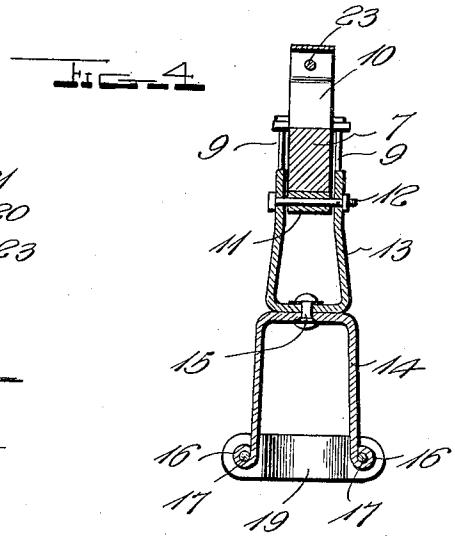
T. J. MORGAN.

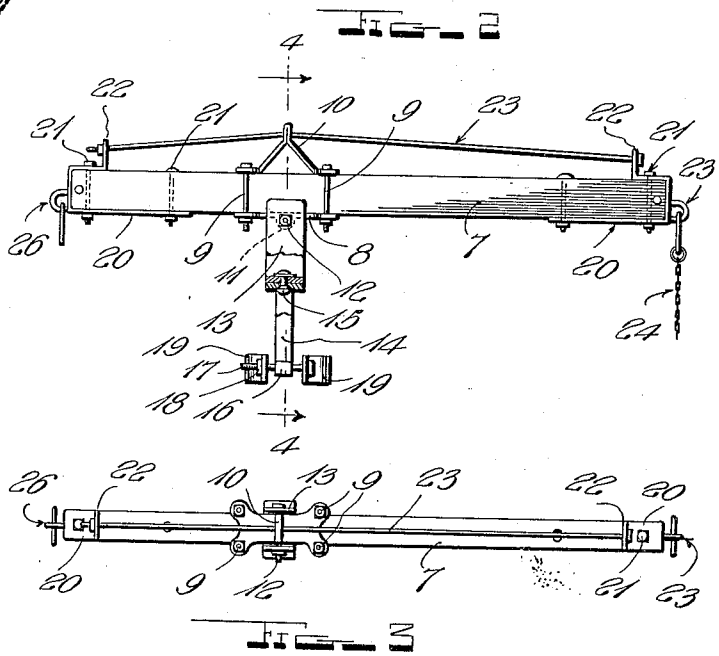
HOISTING APPARATUS.

APPLICATION FILED APR. 11, 1919.

1,319,964. Patented Oct. 28, 1919.







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HOISTING APPARATUS.

1,319,964. Specification of Letters Patent. Patented Oct. 28, 1919.

Application filed April 11, 1919. Serial No. 289,257.

To all whom it may concern:

Be it known that I, THOMAS J. MORGAN, a citizen of the United States, residing at Camp Kearny, in the county of San Diego and State of California, have invented certain new and useful Improvements in Hoisting Apparatus, of which the following is a specification.

My invention relates to hoisting apparatus, and has particular reference to such apparatus adapted to be connected with the upper portion of a telegraph pole, to raise apparatus to be secured to the upper portion of the pole.

An important object of the invention is to provide apparatus of the above-mentioned character, which is adapted to be placed upon the top of the telegraph pole or the like and to be clamped thereto, such apparatus being adjustable so that it will engage with poles of different sizes.

A further object of the invention is to provide apparatus of the above-mentioned character, which is radially and vertically adjustable, strong, and simple in construction.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same:

Figure 1 is a side elevation of apparatus embodying my invention;

Fig. 2 is a side elevation of the apparatus removed, parts being shown in section;

Fig. 3 is a plan view of the same, parts omitted; and

Fig. 4 is a vertical sectional view, taken on line 4—4 of Fig. 2.

In the drawings, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 5 designates a telegraph pole, and 6 apparatus to be arranged upon the upper portion thereof, as is well known.

My apparatus comprises a lever or beam 7, having a plate 8 arranged upon its lower side, this plate being clamped to the beams by bolts 9, engaging the ends of an inverted V-shaped bracket 10, arranged upon the top of the beam.

The plate 8 is provided with a depending transverse sleeve or bearing 11, pivotally receiving a transverse pin or bolt 12, passed through the upper apertured ends of an upper U-shaped element 13. This upper U-shaped element is pivoted to turn in a horizontal plane, upon an inverted lower U-shaped element 14, by means of a pivot element 15, as shown. The inverted U-shaped element 14 is adapted to straddle the top of the telegraph pole 5, as shown. The ends of the arms of the element 14 are bent to provide eyes 16, receiving bolts 17, carrying nuts 18. The bolts 17 engage curved clamping members 19, which engage the opposite sides of the telegraph pole, as shown. In view of the above description, it is apparent that the beam 7 may be swung in a vertical plane upon its pivot 12 or may be swung horizontally upon the pivot 15.

The beam 7 is provided at its opposite ends with attaching irons 20, secured thereto by bolts 21. These attaching irons are provided with upstanding apertured ears 22, receiving a diagonal brace rod 23, which is secured thereto and also engages the inverted V-shaped bracket 10. This rod and associated elements serve to strengthen the beam 7.

At one end of the beam 7, the attaching iron 20 is equipped with a loop 23, connected with a flexible element or chain 24, the free end of which is adapted to be passed about the telegraph pole 5 and is equipped with a hook 25 to engage with a selective link of the chain.

The opposite attaching iron 20 carries a loop 26, having a hoisting device, such as a block and tackle 27 connected therewith. This block and tackle may be of the usual construction, and it is connected with the apparatus 6 to lift the same.

The operation of the apparatus is as follows:

When the beam 7 is secured to the upper end of the telegraph pole 5, as indicated in Fig. 1, it may be suitably vertically adjusted and also swung horizontally to the desired position. The chain 24 prevents the beam from partaking of improper swinging movements upon the pivot 11. The block and tackle 27 is now operated in the usual manner to hoist the apparatus 6 to the upper portion of the pole, the apparatus being secured thereto in the usual manner. After the hoisting work is completed, my device may be readily detached from the upper end of the pole, as is obvious.

It is to be understood that the form of

my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

An apparatus of the character described a beam, U-shaped element pivotally secured thereto, whereby said beam may swing in a vertical plane, an inverted U-shaped element supporting said first named U-shaped element and pivotally connected thereto, eyes formed in the lower ends of the arms of said inverted U-shaped member a pair of curved clamping members provided with openings formed in their ends and bolts extending through said openings and the eyes of said inverted U-shaped element.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS J. MORGAN.

Witnesses:
RALPH MCCLATCHY,
STARR V. MONSEES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."