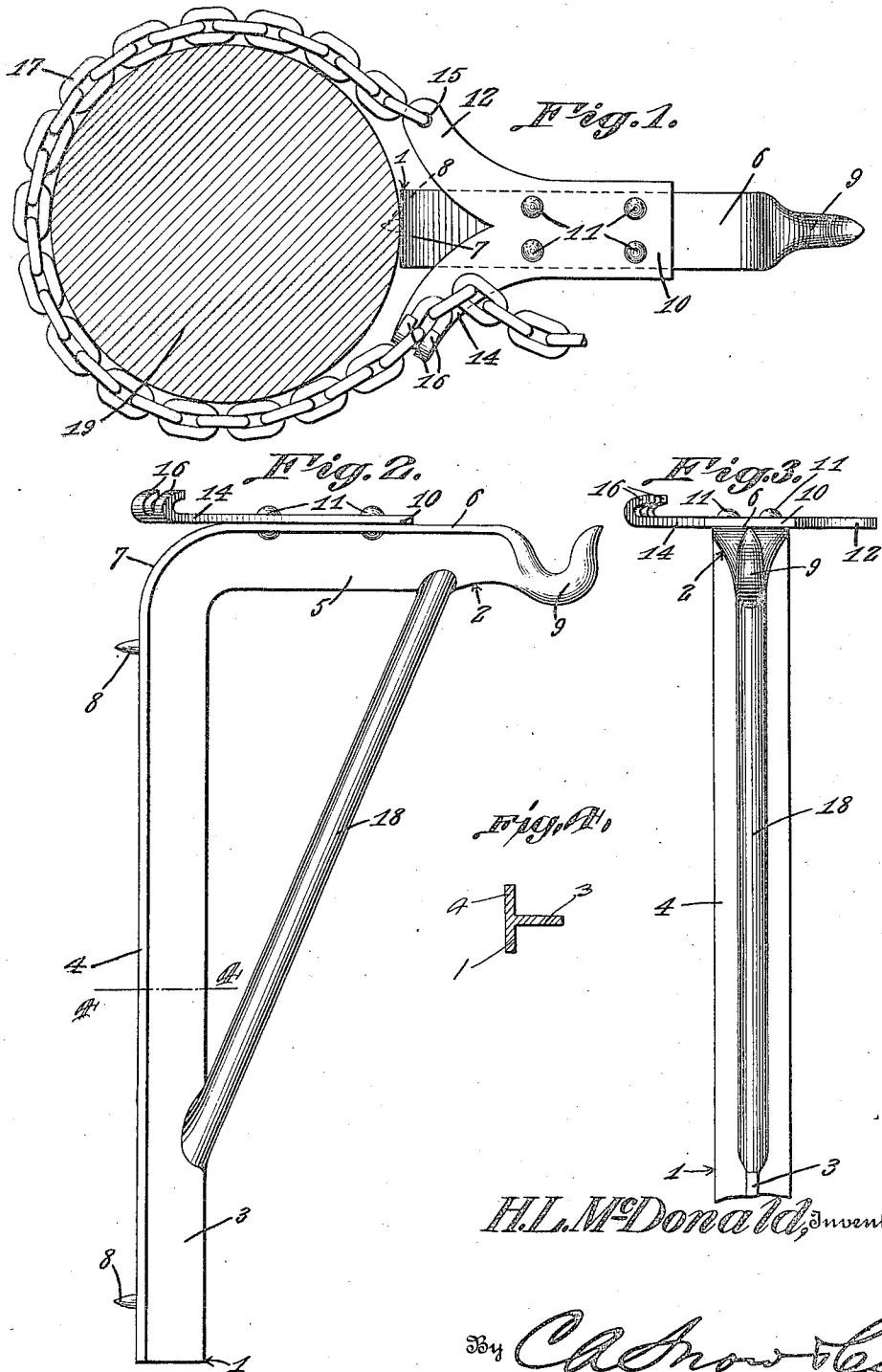


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1,444,746.

H. L. McDONALD.
TRANSFORMER CRANE.
FILED JAN. 14, 1921.



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UNITED STATES PATENT OFFICE.

HARRY L. McDONALD, OF EVELETH, MINNESOTA.

TRANSFORMER CRANE.

Application filed January 14, 1921. Serial No. 437,294.

To all whom it may concern:

Be it known that I, HARRY L. McDONALD, a citizen of the United States, residing at Eveleth, in the county of St. Louis and State of Minnesota, have invented a new and useful Transformer Crane, of which the following is a specification.

This invention aims to provide a simple bracket adapted to be used for raising transformers on poles, and for other purposes, the construction being such that the bracket is strong, inexpensive to manufacture and capable of ready adjustment.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

I do not bind myself to the specific form shown and described, since, within the scope of what is claimed, a mechanic may work changes without departing from the spirit of the invention.

In the drawings:—Figure 1 shows in top plan, a device constructed in accordance with the invention, the pole or support appearing in section; Figure 2 is a side elevation of the bracket, the binding chain being removed; Figure 3 is a front elevation of the bracket; Figure 4 is a cross section on the line 4—4 of Figure 2.

The device comprises a body 1 and an arm 2 outstanding from the body at right angles thereto. Both the body and the arm are T-shaped in cross section, the body including a web 3 and a flange 4, the arm including a web 5 and a flange 6. Where the flanges 4 and 6 join, the bracket is convexed as indicated at 7. Support-engaging elements 8 (prongs) project rearwardly from the flange 4 of the body 1. The flange 6 and the web 5 of the arm 2 merge into a suspension element 9, which may be a hook.

A member 10 in the form of a plate is superposed on the flange 6 of the arm 2 and is connected thereto by securing devices 11. At its rear end, the plate 10 is bifurcated to form laterally extended fingers 12 and 14. The finger 12 has an opening 15, the finger 14 terminating in a grip 16, which may be a claw. One end of a flexible ele-

ment 17 (chain) is mounted in the opening 15. A brace 18 extends between the web 5 of the arm 2 and the web 3 of the body 1, the ends of the brace being welded to the webs, if considered expedient.

The chain 17 is placed around a pole 19 or other support, the chain being engaged detachably with the grip 16. The body 1 bears against the pole 19, the prongs 8 entering the pole and taking practically all of the weight off the chain 17. Clearly, a transformer or other object may be raised by tackle suspended from the member 9. When it is desired to adjust the bracket vertically the body 1 may be swung outwardly at its lower end, away from the pole 19, thus slacking the chain 17. After the desired adjustment has been made, the body 1 may be swung downwardly against the pole, the prongs 8 entering the pole as soon as weight is applied to the hook 9. The convexity at 7 forms a rocker on which the bracket may be swung as aforesaid, and because the arms 12 and 14 diverge, the rocker at 7 is permitted to come into contact with the pole 19.

I claim:—

A device of the class described comprising a body and an outstanding arm disposed substantially at right angles to the body, each being T-shaped in cross section and including a web and a flange, the flanges of the body and the arm being curved, where the body joins the arm, to form a convexed rocker, the web and the flange of the arm merging into a suspension element; a brace extended between the web of the arm and the web of the body; a member superposed on the flange of the arm, said member being bifurcated at its rear end to form diverging fingers which project laterally beyond the flange of the arm, one finger being provided with a grip; means for securing said member to the flange of the arm; and a flexible element attached to the other finger and detachably engageable with the grip.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

HARRY L. McDONALD.