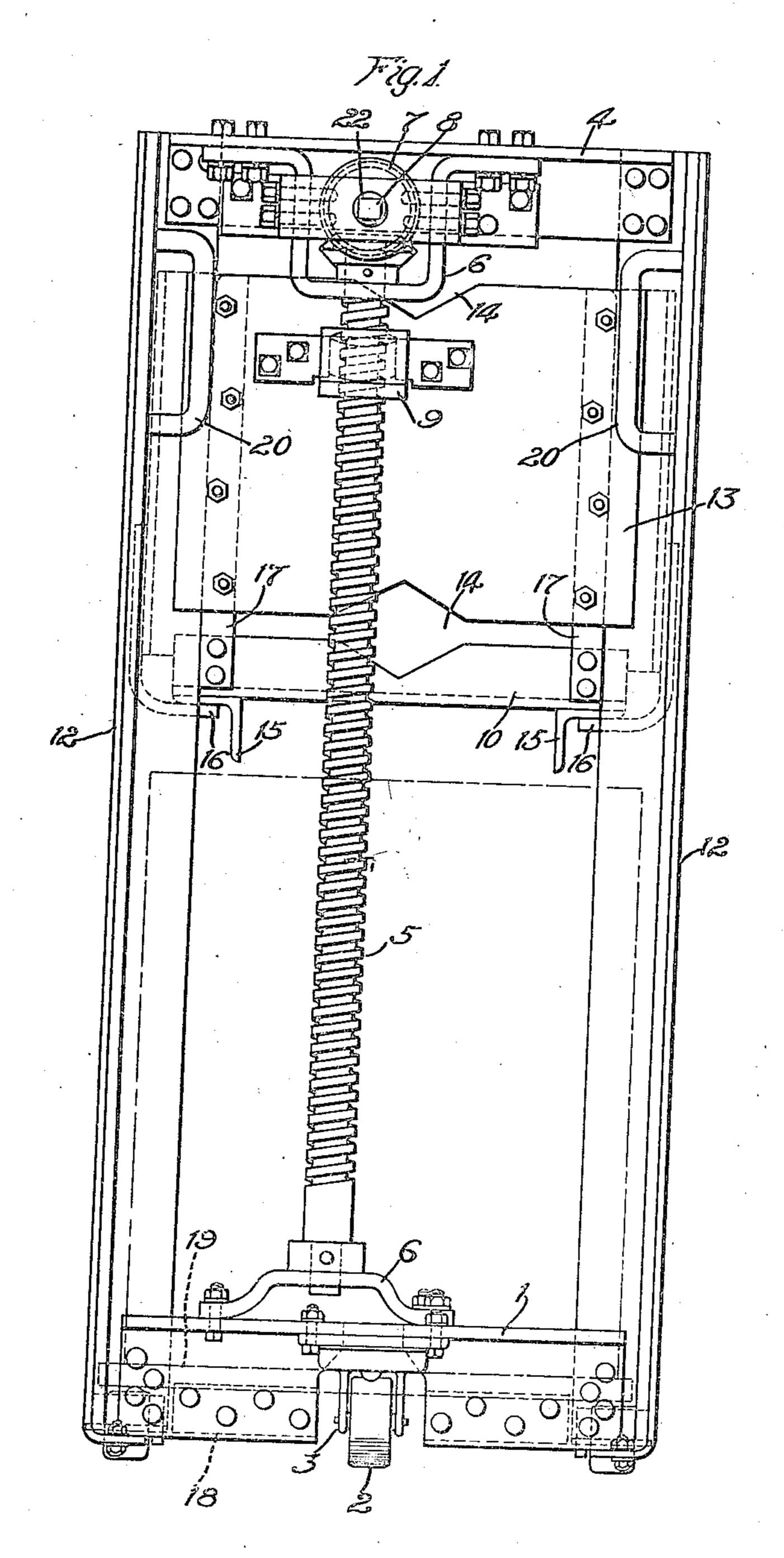
A. H. BAKKEN. TANK LIFTING TRUCK. FILED DEC. 17, 1919.

2 SHEETS-SHEET 1

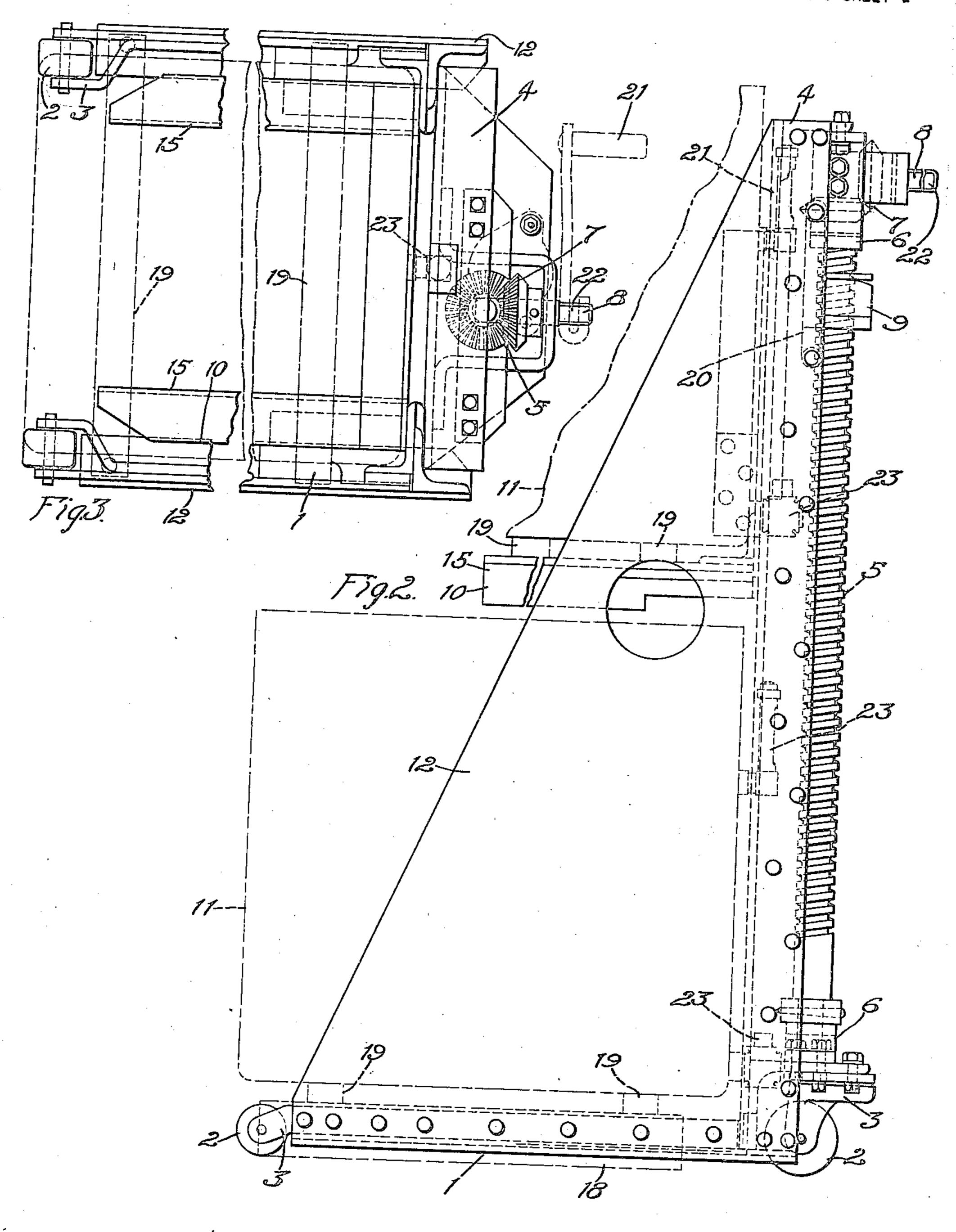


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A. H. BAKKEN.
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2 SHEETS-SHEET 2



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ANDREW H. BAKKEN, OF EDGEWOOD PARK, PENNSYLVANIA, ASSIGNOR TO WESTING-HOUSE ELECTRIC & MANUFACTURING COMPANY, A CORPORATION OF PENNSYL-VANIA.

TANK-LIFTING TRUCK.

Application filed December 17, 1919. Serial No. 345,616.

of Edgewood Park, in the county of 3 is a broken plan view of the device. 5 Allegheny and State of Pennsylvania, have In general, my device comprises a vehicle ing is a specification.

10 tating the manipulation of electrical ap- tical worm screw 5, bearing members 6 for tanks.

15 a device of the above indicated character able structure to raise and lower a tank 11,

20 vide means for raising and lowering the shape and is disposed horizontally with its 25 ordinarily attending such operation and in-tion. This provides a structure that may be of time.

30 moving and replacing the tanks of certain tion of which a vertical end wall or structypes of circuit interrupters, to employ ordiblock-and-tackle and numerous other makeshift devices or combinations, thus causing 35 much unnecessary labor and expense and being the causes of accidents to workmen and interfering with the operation of a circuit an undue period of time. Further, the services of more than one person have usually been 40 required in such manipulations.

In practicing my invention, I provide a bers 15 to the structure 13. relatively simple and compact combined. A block 18 of a width less than the distransporting and lifting device by which the tance between the sides of the body portion tanks of circuit interrupters may be quickly 1 is provided, at its upper side, with trans-45 and expeditiously removed and replaced by verse beams 19 that extend beyond the sides a single operator, thus facilitating the of the block 18. 50 mum of interruption in the service of a cir- it constitutes a part, the vehicle, with the cuit.

is a rear elevational view of the device em- the side walls 12, to a position surrounding bodying my invention; Fig. 2 is a side the tank 11. This places the angle members

To all whom it may concern: elevational view of the device, showing a 55 Be it known that I. Andrew H. Bakken, tank in one position, and a portion of the a citizen of the United States and a resident tank in another position, thereon, and Fig.

invented a new and useful Improvement in or truck body portion 1, preferably con- 60 Tank-Lifting Trucks, of which the follow-structed of structural steel, wheels 2 mounted thereon by suitable bearing members 3, My invention relates to devices for facili- a vertical rear wall or end structure 4, a verparatus and particularly to transporting the screw 5, gears 7 for rotating the screw, 65 and lifting devices for circuit-interrupter a shaft 8 for operating the gears, a travelingnut device 9 for the worm screw 5 and co-One object of my invention is to provide operating with a platform 10 or other movthat shall be simple and durable in con- and side guide members or walls 12 that 70 struction, effective in operation and easy to are preferably tapered from the upper rear manipulate by one person. to the lower front part of the device.

Another object of my invention is to pro- The body portion 1 is of substantially Utanks of circuit-interrupters of the oil-im- open end forward, one of the wheels 2 be- 75 mersed type that shall so facilitate the re- ing at the end of each leg and the other moval and replacement of the tanks as to wheel 2 being, preferably, mounted in a effectively reduce the amount of labor swivel bearing, at the rear of the body porsure that the interrupters will be out of moved forward to a position surrounding a 80 service only a substantially minimum period tank on three sides. The horizontal or bottom portion of the platform 10 is, also, Heretofore, it has been customary in re-similarly of U-shape, from the central porture 13 projects. The structure 13 supports, 85 nary means, such as levers, chains, jacks, and is adapted to move with, the travelingnut device 9 and is provided with openings 14 for a purpose to be hereinafter described.

> Horizontally-disposed angle members 15 extend forwardly from the bottom of the 90 wall 13 at positions inside, and adjacent, the side legs of the body portion 1. Angle members 16 and plates 17 are riveted or otherwise attached to, and secure, the angle mem-

100

manipulation of the tanks, reducing the Assuming the tank 11 to be on the block amount of labor, expense and danger to 18 and isolated with respect to both the veworkmen and insuring a substantially mini- hicle 1 and the circuit interrupter, of which platform 10 in its lower position, may be 105 In the accompanying drawings, Figure 1 wheeled, by pushing against handles 20 on

19 in a position to be lifted by the platform cult to handle. 10. By placing a co-operating crank-handle While I have shown and described a par- 35 member 21 on a square or keyed end 22 of ticular form of my invention, changes may 5 the shaft 8 and turning the handle member 21, the tank 11 may be lifted by movement the spirit and scope thereof, as set forth in transmitted from the handle 21 to the shaft 8, the gears 7, the screw 5, the traveling-nut device 9, the platform 10 and the block 18 to 10 the tank. When in position on the platform 10, and in moving upwardly, the tank is amply guarded against displacement by the cal side walls that have their forward edges the tank, against the circuit interrupter the frame, a vertically disposed worm screw 15 structure (not shown), so clear the upper supported from the rear edge of the said edges of the tank as to permit ready access frame and at one side of the longitudinal to fastening devices (not shown) that are center line thereof, a platform having a nut tank. After a tank has been so lifted and screw to effect vertical movement of the 20 secured in operative position, the platform platform, and a vertically disposed guard 10 may be lowered and the vehicle 1 moved plate secured to the rear edge of the platto position under another tank, either in or form to prevent a mass carried by the platings 14 are provided in the structure 13 to an opening being provided in the guard 25 permit gauges, taps or other projecting plate, adjacent to its vertical center line, to members 23 on the tank to be placed therein permit projecting portions of the mass being in order that the center of gravity of the carried to extend therethrough. tank may be properly positioned with re- In testimony whereof, I have hereunto 60 spect to the vehicle 1.

The device is exceedingly simple in con-vember 1919. struction and operation and facilitates, to a high degree, the manipulation of relatively

15 under the protruding ends of the beams heavy tanks that have heretofore been diffi-

be effected therein without departing from the appended claim.

I claim as my invention:

A transporting and lifting device comprising a movable truck provided with a horizontally disposed frame and with vertiside walls 12 which, in the upper position of inclined rearwardly from the front edge of 45 disposed adjacent to the upper edges of the secured thereto for engagement by the worm 50 away from its operative position. The open-form from being moved too far rearwardly, 55

subscribed my name this 25th day of No-

ANDREW H. BAKKEN.