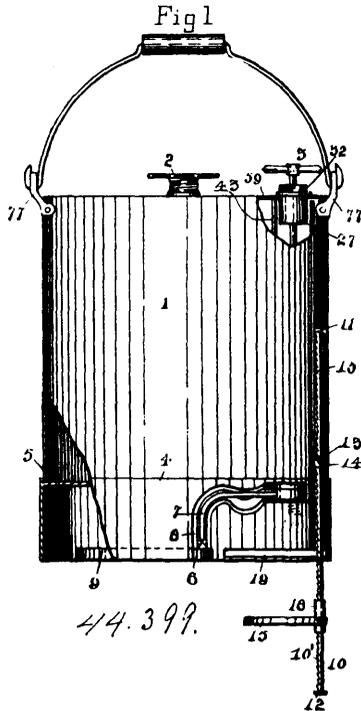


pended from the upper pulley block, and a chain arranged in connection with said parts, substantially as shown and described. 2nd. In a compound pulley system, the combination with the upper and lower pulley blocks, of draft equalizing sheaves suspended from the upper pulley block, and arranged in a plane at a right angle to the axle of the sheaves of said upper pulley block, and a chain running each way from the centre of said pulley blocks, as shown and described. 3rd. A compound pulley block, having sheaves secured to its under side and arranged in a plane at right angles to the axis of the sheaves of said pulley block, as shown and described. 4th. The improved portable hoisting apparatus, consisting of the hoisting apparatus, proper, composed of upper and lower compound pulley blocks, equalizing sheaves and chain arranged on the same, in the manner described, the windlass, to which said chain is attached, and the triangular transportable wheeled frame, the hoisting apparatus proper, being arranged at the rear side of said frame, as and for the purpose specified.

No. 44,399. Lamp Filling Oil Can.

(*Bidon à huile pour remplir les lampes.*)

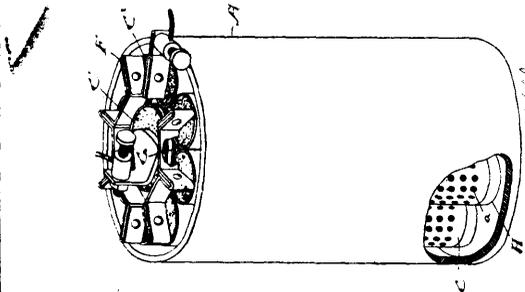


James Geary, Bradford, Pennsylvania, U.S.A., 5th October, 1893; 6 years.

Claim.—1st. An oil can provided with a supporting band at its bottom, having a slot 8 therein, and with an oil discharging spout jointed to the can and adapted to be swung through said slot, and a drip pan secured to the band on each side of the slot, said spout in its closed position being entirely within the band, and having both ends over the pan, all substantially as set forth, whereby the band is strengthened, and drip either from the spout or from its joint with the can is received. 2nd. An oil can provided with a supporting band at its bottom, having a slot 8 therein, and with an oil discharging spout and an air inlet pipe in proximity thereto, the spout and pipe being connected to a disc 39, supplied with suitable ports and eccentrically pivoted to a disc 36, fixed to the can bottom and having corresponding ports, said spout and pipe being adapted to be swung together and entirely within the band through said slot, substantially as set forth. 3rd. An oil can provided with a supporting band at its bottom, having a slot 8 therein, and with an oil discharging spout communicating with an opening in the bottom of the can, and an air inlet pipe in proximity thereto, both being adapted to be swung together through said slot, said air inlet pipe communicating with a pipe extending within the can to its upper part, and a valve adapted to close both the oil and air passages, substantially as set forth. 4th. An oil can provided with a supporting band at its bottom, having a slot 8 therein, and with an oil discharging spout, in combination with the vertically adjustable lamp holding device attached to the can, substantially as set forth. 5th. An oil can provided with a supporting band at its bottom having a slot 19 therein, in combination with a horizontally movable pivoted lamp support adapted to be moved through said slot and under the can, substantially as set forth. 6th. An oil can provided with a supporting band at its bottom, having a slot 9 therein, in combination with a horizontally movable pivoted lamp support adapted to be moved through said slot and under the can, said sup-

port being also vertically adjustable, substantially as set forth. 7th. An oil can provided with a supporting band at its bottom having a slot 8 therein, in combination with a horizontally movable lamp support adapted to be moved through said slot and under the can, said support being attached to a rod vertically adjustable on the can, whereby its foot can be raised to a level with the bottom of the can supporting band, substantially as set forth. 8th. In an oil can, the plug 39 rotatably supported near its bottom, and provided with air passages 58 and 54, and oil passages 45, in combination with air inlet pipes 43 and 41, and with an oil outlet in the can bottom and a valve therefor, said oil passage being eccentrically situated with respect to the plug, substantially as set forth, whereby the rotation of the plug opens or closes the passages. 9th. In an oil can, the combination of the correspondingly apertured plugs 39 and 36, with the air pipes and the oil spout and air inlet pipe, said oil spout and air inlet pipe being secured to the rotatable apertured plug 39, substantially as set forth. 10th. In an oil can, an oil spout and an air inlet pipe having the open ends in proximity, and each provided with tapered points to prevent the retention of drops, and the end of the air pipe being above that of the spout, whereby the retention of a drop between them is avoided, substantially as set forth. 11th. In an oil can, its cover, the plug 27, the flanged nut 32 having air inlet holes, and the valve stem having a screw threaded and perforated enlargement 22, all in combination, whereby air may be admitted to or excluded from the can, substantially as set forth. 12th. In an oil can, its cover, the plug 27, the flanged nut 32, having air inlet holes, and the valve stem having a screw threaded and perforated enlargement 22, the bottom having an oil discharge passage, and a pipe whereby the upper part of the can and such oil discharge passage communicate, whereby external air may be admitted to said discharge passage, substantially as set forth. 13th. In an oil can, the combination of an oil discharge passage at the bottom of the can, a valve therefor, and a pipe from the inner end of said passage to the upper part of the can, and a discharge spout communicating with the lower or outer end of said passage, whereby air may be admitted to the inner end of the spout to facilitate the discharge of drip, substantially as set forth.

44,400. Secondary Battery. (Pile secondaire.)

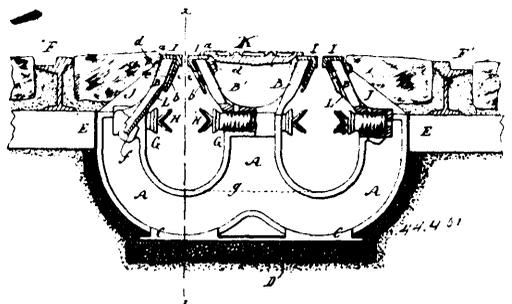


Henry Woodward, Toronto, Ontario, Canada, 5th October, 1893; 6 years.

Claim.—1st. In an improved secondary battery, a positive or negative electrode surrounded by but electrically insulated from a series of electrodes connected together and forming an electrode to work with the central electrode, substantially as and for the purpose specified. 2nd. In a secondary battery, a perforated cylinder of lead containing a spiral-shaped core of lead and filled with pellets of lead, a stem attached to the core and connected to the electrical pole, substantially as and for the purpose specified.

No. 44,401. Electric Railway Conduit.

(*Conduit pour chemins de fer électriques.*)



Augustine W. Wright, Chicago, Illinois, U.S.A., 5th October, 1893; 6 years.

Claim.—1st. In an underground conduit for electric railways, the combination, with a yoke provided with upper vertical converging