mechanical connection with the air pump, an oil reservoir connect-et ot the feed pumps, a supplementary air pump connected into the pump, and the winding mechanism of the motor, substantially as described. 6th. In an apparatus for carburcting air, the combina-tion of an air pump and actuating motor automatically controlled by the pressure of the air in the carburcter, a carburcter from which the carbureted air is directly supplied to the burners, and an oil feeding device consisting of a suitable pump actuated by the motor under the control of the air pump, inlet and outlet connections from said pump communicating respectively with a supply tank and with the carbureter induction and eduction valves in said pump come-tions also actuated by the motor under the control of the air pump, and a supply tank from which the oil is automatically supplied to the feed pump by compressed air on top of the oil in the supply tank, substantielly as described. 7th. In an apparatus for carbur-ting air, the combination with a carburetor, of compressed air and oil freding devices connecting into the bottom and top of said car-buretor respectively, of a motor adapted to intermittently operate said devkee under the control of the pressure of air in the ear-buretor, and a supply tank for such feeding device in which the oils a vertical series of perforated conical disks fitted within said casing a vertical series of perforated conical disks fitted within said casing a termately reversed, and alternately perforated in the center and ner the edge, and of an apertured or mised flange formed around the edge of such disks having their perforated in the center and ner the edge, and of an apertured or mised flange formed around the edge of such disks having their perforated in the eduction and eduction and its motor, the winding drum of said motor journalled in line with the shaft of said air compressor and having a ratchet and pawl connection therewith, the winding crank on the shaft of the wind graing drum, the two single actung pum

## No. 36,034. Accumulator for Electricity. (Accumulateur électrique.)

Gustave Adolphe Drolet, Montreal, Quebec, Canada, 23rd February, 1891; 5 years.

1891; 5 years.
Résumé. - 10. Une batterie accumulatrice dout les ondres des éléments sont composés de charbon ou plomb, tel que décrit pour les fins sus-mentionnées et disposées horizontalement. 20. Dans une batterie accumulatrice avec cadres de charbon une pâte de matiere active de sels organiques de plomb ou leur equivalent et d'haule siccative végétale ou son équivalent dans les proportions et tel que décrit pour les fins sus-mentionnées et plomb ou leur equivalent et d'haule siterie accumulatrice un bain de formation composé de solution saturée de sullate alcalin 1 partie à cide-sulfarique au soufre F parties enu douce 13 parties dans les proportions décrites pour les fins sus-mentionnées. 40. Dans une batterie accumulatrice le remplacement du bain de sulfates alcalins par de l'éau acidulée dans les proportions décrites et l'action du courant tel et pour les fins sus-mentionnées. 50. Dans une batterie accumulatrice le procédé d'eviter l'alteration tel que decrit et pour les fins sus-mentionnées.

# No. 36,035. Method of Burning Liquid Fuel. (Foyer & combustible liquide.)

Harvey Klapp Flagler and Warren Mar Abbott, both of Boston, Massachusetts, U.S.A., 23rd February, 1891; 5 years.

Massachusetts, U.S.A., 23rd February, 1891; 5 years. Claim.—1st. The improved method of utilizing liquid fuel, the same consisting in mingling therewith a chemical solution consist-ing of nitrate of soda, sal nitre, salt, and water in the pronortion hereinbefore stated, and burning the mixture either in the form of spray in the presence of air or in the form of gas or vapor produced by the disintegration of said materials in an externally heated re-tort, as set forth. 2nd. The compound, consisting of hydro-carbon oil, nitrate of soda, sal nitre, salt, and water, commingled sub-stantially in the proportions, in the manner, and for the purpose set forth. forth.

## No. 36,036. Trap for Rats. (Ratière.)

George James Frost and George Dickson, both of Toronto, Ontario, Canada, 23rd February, 1891; 5 years.

Claim. - A wire rat-trap, with only one movable or hinged jaw, operated by a spiral spring, wound round the cross-pieces of the frame-work, as described in the specification.

#### No. 36.037. Ladder. (Echelle.)

David L. Osborn, David G. Blair and Emerson S. Northup, all of Kansas City, Missouri, U.S.A., 23rd February, 1891; 5 years.

Kansas City, Missouri, U.S.A., Sord Feordary, 189, 5 years. Claim.-1st. In an aerial ladder, a frame-work mounted upon a suitable wheeled truck, consisting of the fixed or stationary parallel side bars, the lateral extensions or ears b, b, thereof and cylindrical bars journalled thereon, the hand wheel M, the said bar being pro-vided with right and left-band screw threads, substantially as de-scribed. 2nd. In an aerial ladder, the combination of the frame-work B, mounted on a suitably wheeled truck of a frame work N,

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#### No. 36,038. Combination Tool.

(Outil à combinaison.)

The Keystone Manufacturing Company, assignees of Charles Henry Myers, all of Buffalo, New York, U.S.A., 23rd February, 1891; 5 years.

Claim.--Ist. A wrench, having an aperture in its head, and pro-vided with sliding jaws, in combination with a tool-holder having flattened sides with which said jaws engage, and a cylindrical shank projecting through the head of the wrench. 2nd. A wrench, having an aperture in its head, and provided with sliding jaws, in combi-nation with a tool-holder having flattened sides, and shoulders with which suid jaws engage, a cylindrical shank projecting through the head of the wrench, and a sleeve engaging said shank. 3rd. A wrench, having an aperture in its head, and provided with sliding jaws. in combination with a tool-holder passing through the head of the wrench, and having flattened sides with which said jaws engage, a cylindrical screw-threaded shank, and an internally screw-threaded feed sleeve or nut. feed sleeve or nut.

# No. 36,039. Wrench for Nuts and Pipes.

(Clé à écrou et à tuyau.)

William Bailey Townsend, Selina Jones and Solomon George McGill, all of Toronto, Ontario, Canada, assignces of James Harvey Craig, Denver, Colorado, U.S.A., 23rd February, 1891 ; 5 years.

Denver, Colorado, U.S.A., 23rd February, 1891; 5 years. Claim.-1st. A combined nut and pipe wrench, having a station-ary upper jaw and an adjustable lower jaw, having a groove running on a tongue formed on the main portion, the said jaw being con-nected by a clevis to the main portion, which clevis is supported by a spring and has a dog within its upper end to engage with ratchet teeth formed on the back of the main portion of the wrench, sub-stantially as and for the purpose specified 2nd. A combined nut and pipe wrench, having a stationary upper jaw and a concave recess formed below the upper jaw, in combination with an adjustable lower jaw having the outer portion of the upper end extending slightly upwardly, and the inner portion of the upper end slightly concaved, substantially as and for the purpose specified. 3rd. A