

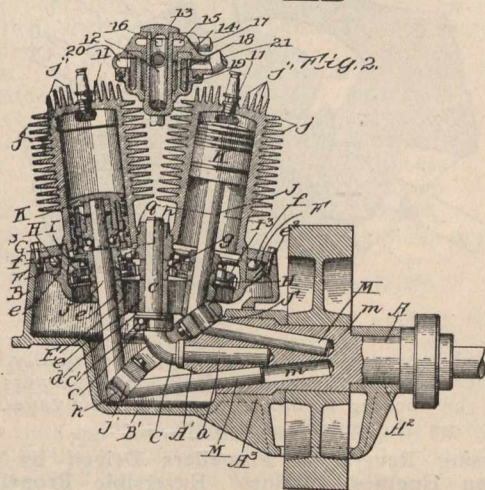
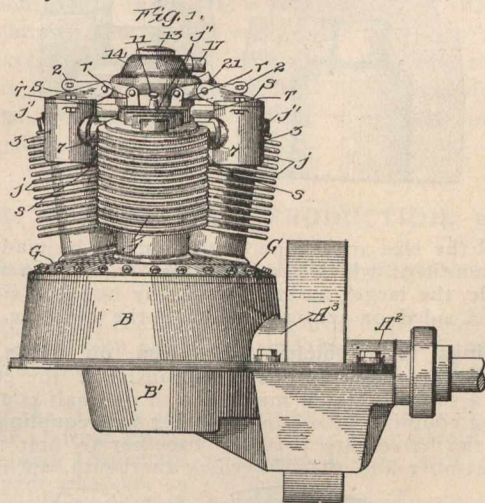
Capitol, Washington, U. S. A.

UNITED STATES PATENTS.

Specially selected and abridged by Messrs. Siggers and Siggers, Patent Attorneys, 918 F. Street, N. W., Washington, D.C., U.S.A.

Rotary Gas-Engine.—John O. Krohn, Barberton, O.—839,300, 1906.—The object of this invention is to provide a gas-engine in which the cylinders revolve around an axis arranged at an angle to the axis of the drive-shaft actuated thereby and are kept comparatively cool by the circulation of air caused by their rapid rotation.

It consists of a driven shaft, a series of cylinders arranged and bodily revolving around an axis extending at an angle



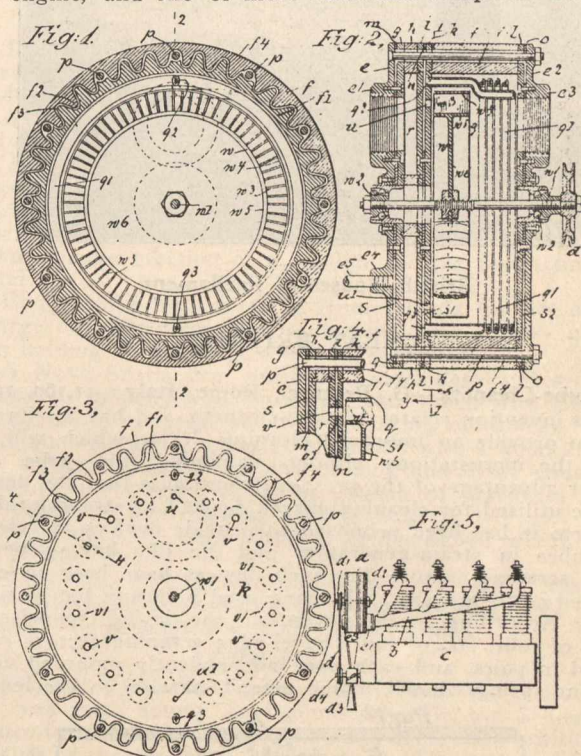
839,300.

to that of said shaft, a ring or annulus placed between and inclined at an angle midway that of said axes, pistons reciprocating in said cylinders the outer ends of which are suitably connected to said annulus, and plungers operatively connected with said annulus reciprocate longitudinally in said shaft.

Combination Turbine and Muffler.—George E. Fulton, Jersey City, N. J.—838,018, 1906.—This invention relates to pressure-fluid engines, and particularly to an improvement in mufflers, which form a part thereof and which are applied to the exhaust-pipe of such pressure-fluid engines; and the object of the invention is to utilise a certain percentage of heat units contained in the exhaust-gases for motive purposes, a further object being to provide in combination herewith an efficient muffler for the exhaust-gases of a pressure-fluid engine to which this invention is applied.

It comprises a combination turbine-motor and muffler having a casing provided with a series of compartments, one

compartment of which serves in conjunction with a coil of tubes as a steam-generating boiler supplied with water and heated by the entering exhaust fluid of an attached pressure-fluid engine, and one or more additional compartments for

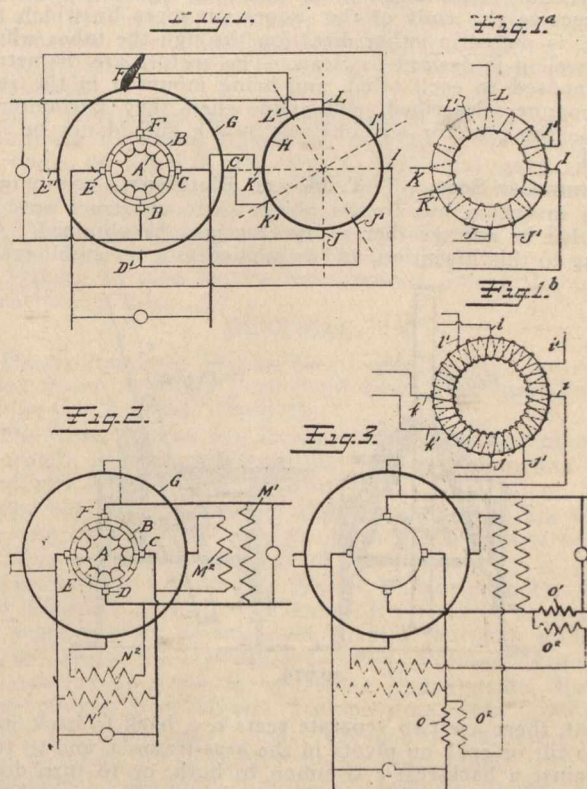


838,018.

the reception of said entering exhaust fluid for the purpose of reducing its pressure and also to impart some of its heat to the walls of its adjoining compartments, a turbine-motor having a shaft and power-transmitting device and mounted within the apparatus and receiving the direct impact of the exhaust fluid and the direct impact of the steam generated within the apparatus.

Dynamo-Electric Machine.—William Stanley, Great Barrington, Mass.—838,144, 1906.—This invention relates to dynamo-electric machines, and has for its object to provide a self-exciting dynamo-electric machine in which the field-producing windings are energized by alternating currents supplied from the machine itself.

It consists of the combination of rotor and stator windings connected together, with transformers for inducing alternating magnetising-currents within such windings



838,144.

whereby a rotating magnetic field is produced, which with rotation induces opposing electromotive forces of the same phase and similar frequency upon said connected windings.