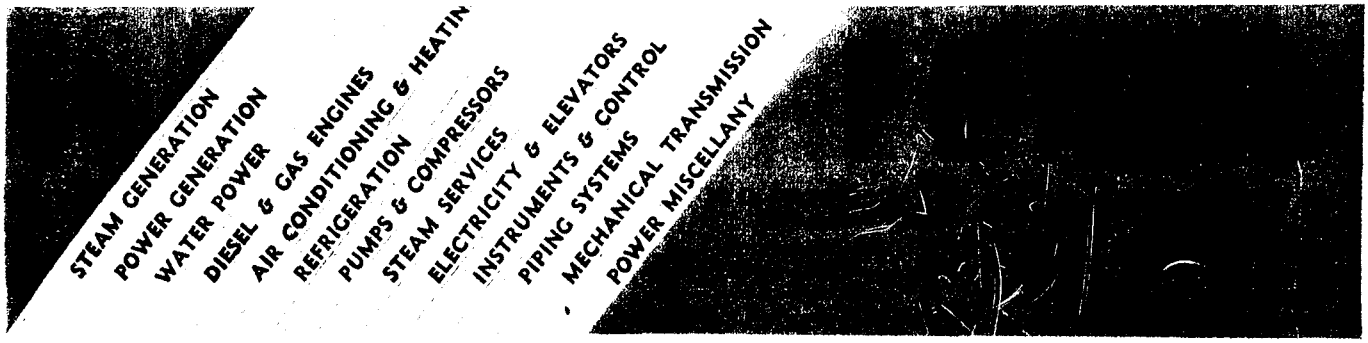
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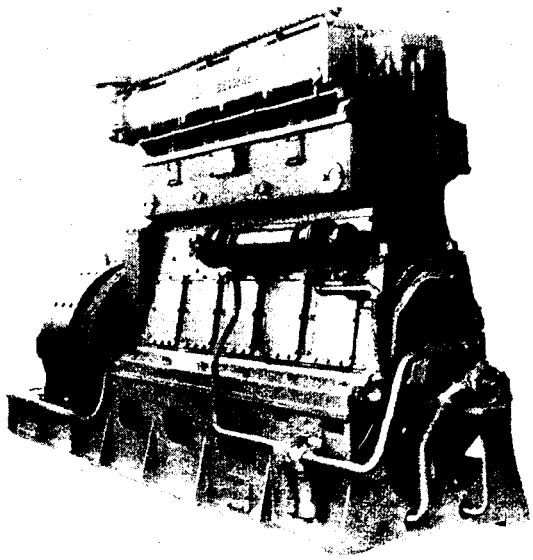
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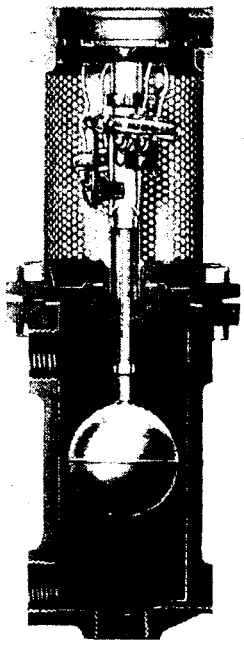
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What's New In Plant Equipment





Diesel Engine

TYPE JS 4-cycle engine is made in 5-, 6-, 7- and 8-cyl units rated at 430, 525, 600 and 675 hp respectively at 400 rpm. Bore is 13 in. stroke 16 in. Crank-shaft is 1-piece, 9-in. diameter steel forging. Main bearings are babbitt-lined steel shells with shim adjustment. Eight piston rings are used, five compression and three for oil control, with one of the latter below the piston pin. Individual cylinder heads are bolted to cylinder-block top. Main valves seat directly in cylinder heads. Outside water jumpers transfer cooling water from cylinders to heads. Cooling-water header is cast integral with cylinder block, underneath air-intake header and on exhaust side of engine. Cooling water passes from cylinder heads by individual elbow connections to exhaust-manifold jacket. Fuel-injection system is patented Cooper-Bessemer atmospheric-relief type. Fuel injectors are mounted on cam-shaft housing cover and are gear driven from cam-shaft.

Cooper-Bessemer Corp. Mt Vernon, Ohio.

Insulation

FIREFOIL is insulating material with characteristics of structural material. Primarily used for bulkheads on ships, it is now said to be in use extensively as boiler casings, oven walls, linings for stacks, etc. It is made of alternate layers of flat and corrugated asbestos felt joined with new waterproof adhesive. Said to be vermin-proof and to have sufficient strength after soaking in water for 72 hours to withstand pressure of approximately 75 lb applied to one inch square die on surface.

Philip Carey Co, Lockland, Cincinnati, Ohio

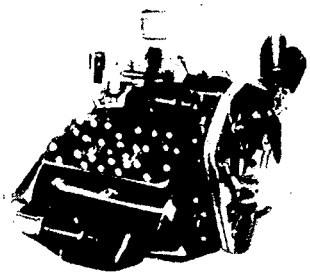
Liquid-Level Controller

MAGNETROL transmits float movement through magnetic force instead of rotary shaft or stuffing box. Provides 5-point control: pump regulation, low-water cutoff, low-water alarm, high-water alarm, and high-water cutoff. Is made in two models, for working pressures up to 550 lb. Special time-delay relay available to give proper control operation even under surging water level conditions.

Fred H Schaub Engrg Co, 325 West Huron St, Chicago, Ill.

Self-Propelled Air Compressor

ELIMINATING power take-offs, extra compressors, and trailers, power unit will replace standard Ford engine in truck. Combination engine and compressor can be operated by truck driver from cab. Supplies 55 cfm at 100-lb pressure, and is a standard full-sized Schramm air compressor adapted for installation in truck. Basically, unit is 4-cyl engine and

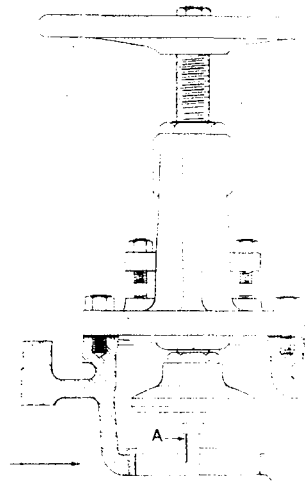


4-cyl air compressor in an 8-cylinder block. Power cylinders are Nos. 1 and 4 in one bank and Nos. 2 and 3 in other to give equal power and load. When operating as a truck, four power [illegible] drive it through standard [illegible] pressor cylinders being shut off [illegible] no power is consumed or air [illegible]

Schramm, Inc, 758 East [illegible] West Chester, Pa.

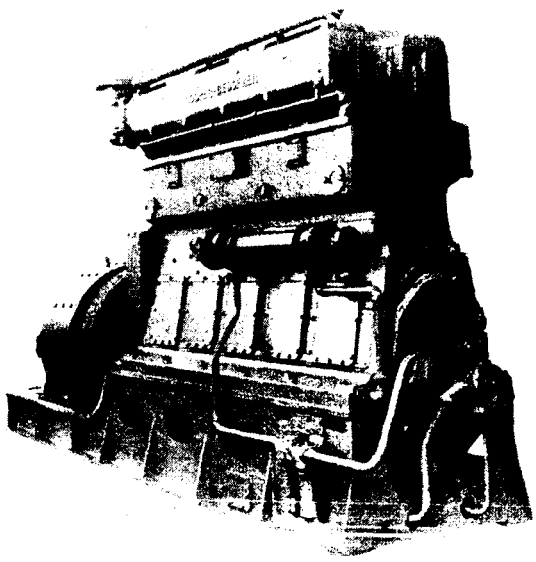
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What's New In Plant Equipment



Diesel Engine

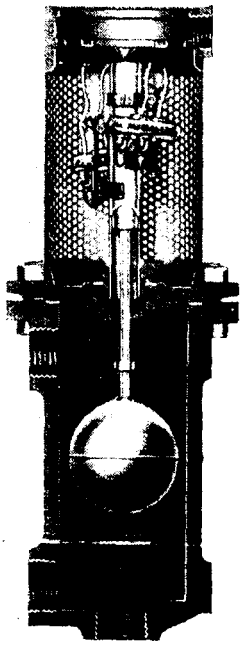
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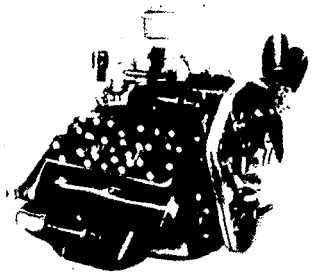
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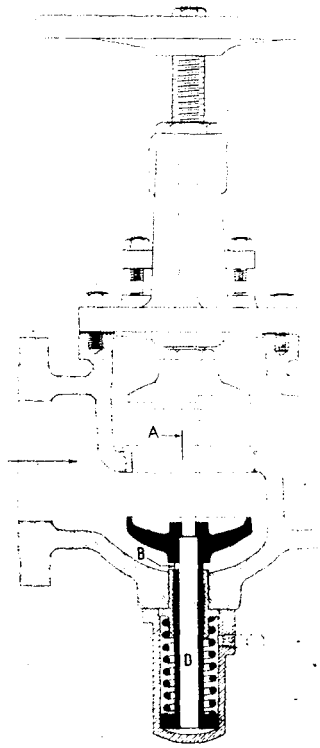


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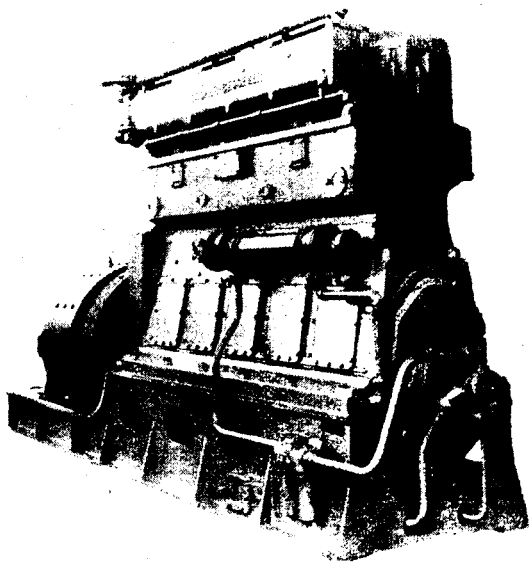
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Diesel Engine

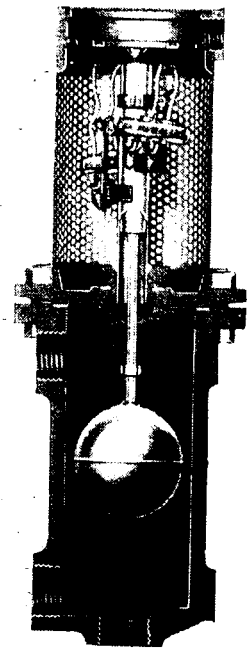
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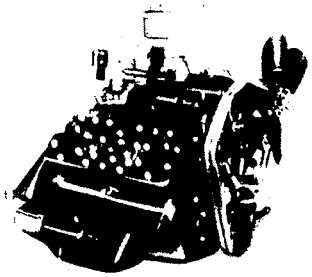
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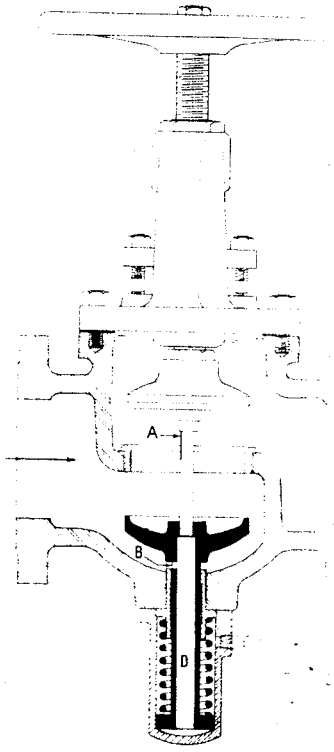


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