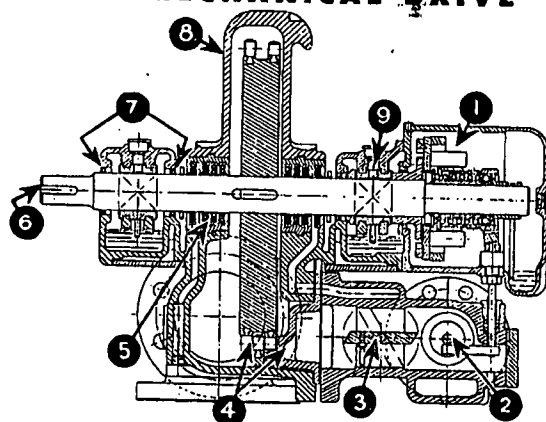


MURRAY TYPE-S SINGLE STAGE TURBINES FOR MECHANICAL DRIVE



- 1 Mechanical constant speed governor completely enclosed and fully lubricated. Heavy cast housing, removable for inspection. Provision for tachometer reading, by removing end plug.
- 2 Double sealed balanced stainless steel governor valve, with stainless steel renewable seats. Corrosion resisting steam strainer ahead of control valves.
- 3 Separate emergency overspeed butterfly trip valve actuated by unbalanced weight type emergency overspeed governor.
- 4 Stainless steel blading and shroud band. Nozzles drilled and reamed in replaceable nozzle ring.
- 5 Carbon ring glands, stainless steel springs, corrosion resisting gland cases. Cast in leakoff reduces pipe fittings necessary.
- 6 Tapped hole in shaft end facilitates drawing on coupling.
- 7 Bearing seals effectively retain oil and exclude dirt and moisture.
- 8 Casing split at centerline allowing inspection without disturbing alignment or steam connections.
- 9 Sleeve type babbitt lined bearings with split oil rings, easily removable. Babbitt thrust faces against collars. Inspection covers and flush level glasses included. Water cooling always furnished.

FOR DEPENDABILITY, SPECIFY A MURRAY TURBINE
Bulletin T-121 gives complete details. Write for your copy today.

MURRAY IRON WORKS COMPANY

BURLINGTON, IOWA

Builders of Steam Power Equipment for Three Quarters of a Century

tral region with headquarters in Cleveland.
(3) John C. Frittinger has been named assistant director of sales in eastern region with headquarters in Philadelphia. (4) R. Huntington succeeds Frittinger as district sales manager in Philadelphia. The above named appointees will function under F. J. Tane Jr., vice-president and general sales manager, and C. E. Haver, director of sales.

Materials Handling Assn. of Northern Calif. has elected Ray Perin, of In. C. Perin Co., for 35 years West Coast representative for Elwell-Parker trucks, president of the association.

H. B. Lammers has been named chairman of Coal Producers Committee for Smoke Abatement. R. L. Ireland has been elected vice-chairman and A. L. Brown executive secretary. Lammers succeeds R. E. Howe, president of Appalachian Coals, Inc. Howe resigned because of pressure of other work.

John R. Mahon has joined Armstrong Advertising Agency, Chicago.

West Penn Power Co. has appointed Gilbert D. Burleigh superintendent of its Mitchell Station. Burleigh's headquarters are at Courtney in construction office of the station.

Fred B. Wilson, assistant to president of Georgia Power Co. since 1932, has resigned to devote his entire time to his other business interests.

Public Service Corp. of N. J. has named William J. Alexander director of safety education for Public Service companies, succeeding John M. Oris who died in Nov. 23.

New York Power and Light Corp. has announced promotion of George L. Johnson to resident manager of Hudson district and William M. Pierson to Albany district and commercial manager, succeeding Johnson.

Merritt-Chapman & Scott Corp. 17 Battery Pl., New York City, has named Hans Olsen, superintendent of repairs.

OBITUARIES

Ralph Perry Ormsbee, 58, vice-president and director of Providence Steam Co., R. I., and of Narragansett Electric Co., Providence, died suddenly at Rumford, R. I., on Dec. 8.

John P. George, 70, stationary engineer at Rubenold Co., Erie, Pa., died recently in his home after a short illness.

David Berger, secretary-treasurer of Berger Bros. Electric Motors, Inc., Rochester, N. Y., died on Nov. 24.

H. Boyd Brydon, a member of staff of Bylesby Engrs. and Management Corp., Chicago, (now Public Utility Engrs. and Service Corp.) for 21 years, retiring as chief mechanical engineer there in 1931.

COFFIN TURBO PUMPS

HIGH SPEED—SINGLE STAGE

2

No Destructive Casing Erosion-Corrosion

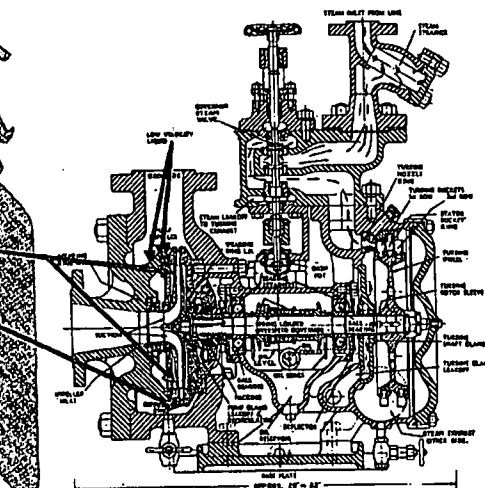
... erosion-corrosion rises sharply as fluid velocities increase. In COFFIN TURBO PUMPS, no high velocity liquid touches Pump Casing. (Note: Highly de-aerated pure feed water at high velocity attacks steel rapidly). The high velocity liquid in Coffin Pumps is inside a chamber formed by the Diffuser Ring, Pump Diaphragm and Impeller. These parts are made of non-corroding metal and are long lasting but if attacked can be renewed at relatively low cost. By the time the liquid has passed through the divergent diffuser passages and reaches the casing, it is at little more than pipe line velocity. Hence erosion-corrosion is insignificant and casings last indefinitely.

because:

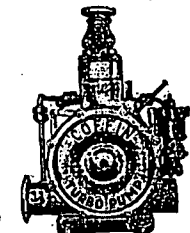


UNIQUE FEATURES

- 1 Standardized Steam Turbine Centrifugal Pump and Governor 50% individually engineered, assembled and tested for IMMEDIATE SHIPMENT.
- 2 No destructive casing erosion-corrosion.
- 3 No interstage leakage.
- 4 Wide range exact pressure governing.
- 5 Loss of section reduces speed without tripping; automatic speed recovery with section restoration.
- 6 High efficiency pump plus high speed two-bucket steam turbine result in minimum steam consumption.
- 7 Matched Pump, Turbine and Governors under one responsibility.
- 8 Exact hydraulic and mechanical balance—light weight rotor—large bearings; result: bearing troubles practically unknown.



- 9 Plug-Loaded Lockoff: provides adequate re-energization; section pressure only on lock-off.
- 10 Rigid one-piece steel casing plus heavy shaft plus ample clearances result in no damage from dry operation.
- 11 All parts made to gauge and replaceable with our fittings; all parts in stock at factory with wearing parts available from agencies' stocks.
- 12 Proved for performance over a period of more than twenty years in service.
- 13 Compact, light in weight, quiet and low in maintenance.



Literature sent on request, specific proposals on receipt of operating data.

The J.S. COFFIN, JR., CO.

328 South Dean St. ENGLEWOOD, N.J.