

90% OPEN AREA

for light and ventilation

THE illustration shows the admission of light through three floors where the flooring is Hendrick Mitco.

Not only does pressure-formed Hendrick Mitco Open Steel Flooring have 90% open area, but there are no bolts, rivets or angle irons to collect dirt and refuse. The square-edge, uniformly spaced, rectangular steel bars provide a non-slipping, level walking surface. There is no lateral deflection, however heavy the loading, because each Mitco panel is a strong, integral unit.



Perforated Metals
Perforated Metal Screens
Architectural Grilles
Mitco Open Steel Flooring
"Shur-Site" Treads and
Armorgrids

HENDRICK

Manufacturing Company

46 DUNDAFF STREET, CARBONDALE, PENNA.

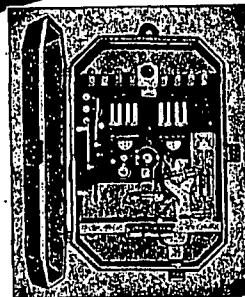
Sales Offices in Principal Cities

Prevent DRY PUMP OPERATION

with the New
AUTOMATIC CONTROL CO.

PROTECTROL

If your primary control calls for pump operation, and water is not discharged —PROTECTROL stops the pump, locks out the starter until PROTECTROL is manually reset. It also rings alarm bell and lights warning signal. It prevents damage to bearings and excessive wear caused by running the pump dry. PROTECTROL can be used with any make of pump or automatic control. PROTECTROL is better than an insurance policy—it prevents damage before it occurs. Write for Bulletin T-1130. State your requirements and engineering data will be furnished.



"AUTOMATIC" also makes pressure and float operated pump controls: multi-circuit sequence type, multi-circuit program type, float switches, automatic alternators, and many special controls built to specifications.



AUTOMATIC CONTROL Company

1009 University Ave., St. Paul 4, Minn.

are used by all leading pump manufacturers. When ordering new pumps, specify controls by AUTOMATIC CONTROL CO.



Charles B. Hill (left) vice-president, and Ernest H. Peabody, president, of Peabody Engineering Corp., returned in June from a trip to Europe. Photo shows Hill and Peabody as they left for Europe on S S Queen Mary in April. The purpose of their trip was to analyze foreign markets and war-born engineering developments in combustion and power fields.

Congress will turn thumbs down on the Tennessee Valley Authority's proposal to build a \$54,000,000 steam-generating plant at New Johnsonville, Tenn. TVA will not get a flat "no" on the project, however. Congressional action will take the form of refusal to approve an item of \$4,000,000 in the agency's annual budget to start construction of the plant. TVA will be advised—perhaps invited—to discuss the proposal with Congressional groups later. But possibility of starting construction of the plant this year will definitely be lost.

Los Angeles Dept. of Water and Power took preliminary steps recently toward construction of six hydroelectric power plants on Kings River in the high Sierras east of Fresno, Calif. The six plants, with a total capacity of 250,000 kw, would increase the department's total power production by almost a third. Cost of building the plants and 280 miles of transmission lines, together with six necessary dams, was estimated at \$100,000,000.

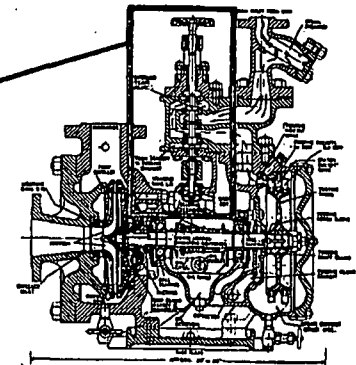
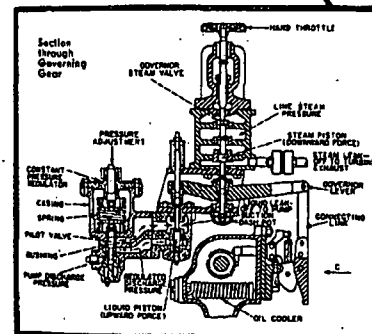
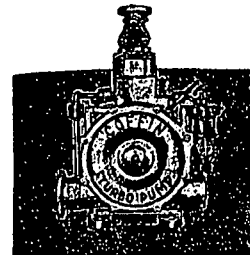
Samuel B. Morris, general manager of the dept., emphasized that the project will not take one drop of water out of the area. Instead, it will conserve water now lost in periods of heavy runoff and be of great benefit to irrigation in San Joaquin Valley. Morris applied to Federal Power Commission and State Div. of Water Resources for reinstatement of Los Angeles' hydroelectric power claims on the river. The dept. originally applied for power claims in the area in 1926, and since that time has spent about \$100,000 on preliminary surveys and engineering.

Present plans call for construction to begin in 1951.

Assets of the 100-year-old Skinner Engine Co., Erie, Pa., have been acquired by Cincinnati Time Recorder Co. Out to maintain its established reputation as producer of steam engines for generating plants and also for marine operations, Skinner Engine will soon have a part of its plant converted for production of aircraft parts. Skinner will be operated as a division or subsidiary of Cincinnati Time Recorder with Joseph J. Schott as acting director, successor to J. L. Skinner, former president. A corporation will be formed to own the Skinner Engine Co. name.

COFFIN TURBO PUMPS

HIGH SPEED • SINGLE STAGE



7 MATCHED Pump, Turbine and Governors... under ONE RESPONSIBILITY

The advantages of coordinated design and centralization of responsibility do not require elaboration.

Standardized Boiler Feed Units for:

Steam Pressures to 650 PSI
Steam Temperatures to 650 F
Back Pressures to 60 PSI

Pump Capacities to 500 GPM
Discharge Pressures to 750 PSI
(Heads to 1800 feet)
Liquid Temperatures to 300 F

UNIQUE FEATURES

1. Standardized Steam Turbine Centrifugal Pump and Governor sets, 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 raw turbine result in minimum steam consumption.
7. Matched Pump, Turbine and Governors under one responsibility.
8. Exact hydraulic and mechanical balance—light weight roller-bearing; retails bearing troubles practically unknown.
9. Pump Gland Leaktight provides adequate recirculation; suction pressure only on packing.
10. Rigid one-piece steel casing plus heavy shaft plus ample clearance result in no damage from dry operation.
11. All parts made to gage and replaceable without fitting; all parts in stock at factory with wearing parts available from regional 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.

Representatives in Principal Cities

See our Catalog in Sweets' Power Plant and Engineering Files



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