

SINGLE STAGE TURBINE

- 1 Case and Cover Split Horizontally on centerline for ease of maintenance.**
- 2 True Centerline Casing Support assures distortion-free radial expansion. Not shown.**
- 3 Flexible Support of governor and provides for axial expansion.**
- 4 Exhaust Opening either right or left side for installation flexibility.**
- 5 Steam Strainer, protecting trip and governor valves, is removable for cleaning without**

- 6 Constant Speed Governor features governor weights pivoted around frictionless surfaces.
- 7 Complete Governor Assembly is now replaceable as a unit.
- 8 Balanced Single Seated Main Governor Valve has proportional flow characteristics for sensitive, positive control.
- 9 Shaft Locating Bearing of adjustable double collar type.

Horsepower: 100 MAX
 Steam Pressure: 300 PSIG MAX
 Steam Temperature: 550F MAX
 Exhaust Pressure: 25 PSIG MAX
 Speed: 4,000 RPM MAX
 Steam Inlet: 2"-250# ASA FLG.
 Exhaust: 6"-150# ASA FLG.
 Weight: 1,200 LB.

Here's the new De Laval HCB Single Stage Turbine which is now "on the shelf" . . . ready for immediate shipment. This mechanical drive turbine is simple, rugged, designed for long economical life and low maintenance. For example, note the true centerline casing support, the replaceable governor, the removal

ble steam strainer. Investigate all the advantages of this versatile driver. It is ready to handle—at low cost—a variety of applications in your plant.

Send for new Bulletin 4206
which gives vital facts and figures



DE LAVAL *Mechanical Drive Turbines*

DE LAVAL STEAM TURBINE COMPANY
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SEPTEMBER 1953 • VOLUME 97 NUMBER 9

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POWER

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COAL HANDLING can be colorful as well as efficient—at least that's what our cover picture seems to prove. Painted at Sunbury Station by Carol Dudley Pritchett, it's one of Pennsylvania Power & Light Co.'s collection, "Portraits of Power."

As we told you when we ran the first of these paintings (March 1952), they're the work of members of the Lehigh Art Alliance. With brush and color, this group is recording its impressions of Pennsylvania industry. Of 99 paintings made at Sunbury, 25 were selected to form the PP&L collection, which has been shown widely. With the co-operation of PP&L, we've been able to present three of them to you—the March and October 1952 covers and now this water color of a rotary car dumper.

Next month...

■ In the extra Mid-September issue you'll find the 1953 Modern Plant Survey—tabulated technical details on over 500 new central stations and industrial steam plants, 125 hydro projects. And graphic summaries of today's trends in power-plant design.

• This same extra issue will also bring you the Renovation Roundup. It's packed with tested ideas for modernizing all the power services.

■ Then comes the regular October issue with its special report on electrical practice in today's industrial plants. To gather material for it, Associate Editor Jim O'Connor talked to more than 175 experts in 40 companies scattered over 11 states.

■ The result of this fact-finding expedition is a 52-pg distillation of the latest thinking on power supply, distribution and utilization. You'll want it at your side when you plan a new plant or start to modernize your present electrical system.

... and future months

■ Remember the step-by-step picture stories on rewinding induction motors? We've just done the same kind of photo record of a turbine overhaul. Steve Elonka supervised "shooting" and he's rewinding the nix for an early issue.