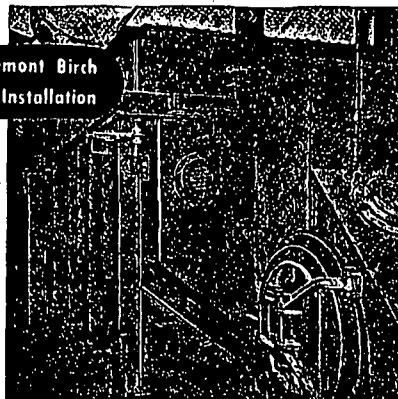


Another Beaumont Birch Ash Handling Installation

Discharge and section of
a flooded hopper for
Beaumont hydraulic sys-
tem showing rugged sup-
porting structure and
circular protected obser-
vation ports of special
heat resistant glass.



Why BEAUMONT BIRCH Hydraulic Ash Handling Systems Assure You *Reliable, Efficient Service*

In every detail of Beaumont Hydraulic Ash Handling Systems, you'll find they're designed for practical considerations of boiler efficiency, operating safety, minimum man-hour attention and minimum maintenance.

For example, on flooded hoppers beneath pulverized coal fired boilers, costly shut downs are never necessary when water jet nozzles in the ash hopper require replacing. They are easily and safely replaced while the boiler is in operation. . . the rugged sluiceway and operating cylinder are mounted on a single casting, completely shop assembled. This assures perfect alignment of cylinder for long uninterrupted service.

On flooded hoppers, operators are always protected at observation ports by special glass resistant to thermal shock, in addition to a protecting metal guard. Built-in spray washers keep all observa-

tion ports clean and free from dirt and fog.

These and many other points, such as, sluiceways, sumps, dewatering bins, flyash handling systems and other supplemental equipment are only a small part of the attention to details that are characteristic of Beaumont Birch Systems.

Power and Consulting Engineers specify Beaumont Birch Hydraulic Ash Handling Equipment because they are assured of design, engineering and construction to exacting specifications!

Beaumont's background of over fifty years in the design and manufacture of ash handling systems gives you long service life with a minimum of maintenance.

For complete details of the many efficiency and economy features of Beaumont Hydraulic Ash Handling Systems, call in a Beaumont Birch engineer or write direct.

Beaumont BIRCH COMPANY
1302 RACE STREET, PHILADELPHIA 2, PA.

DESIGNERS—MANUFACTURERS—BULK MATERIAL HANDLING SYSTEMS

More POWER NEWS

From the top of the cliff the be lead through penstocks, 100,000-hp units operating under it head. To supply additional power, plans include a pumped-storage unit that will be installed in the canal now under construction, pump water into an elevated reservoir of 5-billion gallon capacity.

Water flowing back to the reservoir will operate the plant as a 225,000-hp generating unit. In addition, the pumped water will install four more units in the main plant where they may be required. After complete development will have a total capacity of 1,825,000 hp.

Present work needed on this includes widening the canal to water for these four additional units. Also, further work will be done on work that could be completed later at much higher cost.

Even with an early go ahead from the proposed St Lawrence project will not be available in the 1957 peak load in the Ontario system. Therefore alternative are necessary to meet the demand in that year. The new storage project is one of these.

Combustion Engineering Signs Agreement with Sulzer Bros.

PATENTS, designs and experience Sulzer Bros. Ltd (Winterthur, Switzerland) are available to Combustion Engineering, Inc under terms of an agreement.

Decision grows out of an investigation of European once-through pressure boilers to see if Combustion natural and controlled-circulation designs might be supplemented advantageously by European developments. Study revealed that many successful installations of Sulzer Monotube (Powys, Nov 1945) not only attested soundness of the design.

(Continued on page 238)

Coming Events

Oct 9-15—International Mechanical Engineering Congress, Turin, Italy
Permanent Secretary, International Mechanical Engineering Congress, 10 Ave. Paris VIIIème, France.

Nov 9-12—Refrigeration and Air Conditioning Exposition, Public Auditorium, Cleveland, Ohio. Write Banner & Co., 57th St, New York 19, N. Y.

Mar 15-19—10th Annual Conference and Exhibition, National Association of Corrosion Engineers, Kansas City, Mo. Campbell, Executive secretary NACE, M&M Bldg, Houston 2, Texas.

GLOBE

specialization gives you
"Tops in Quality"

ALLOY STEEL TUBES

SEAMLESS—MECHANICAL—PRESSURE—CORROSION RESISTANT

TYPICAL ANALYSES:

Carbon	5 Chrome 1/2 Moly
Carbon 1/2 Moly	7 Chrome 1/2 Moly
1/2 Chrome 1/2 Moly	8 Chrome 1/2 Moly
1 Chrome 1/2 Moly	8 Chrome 1 Moly
1 1/4 Chrome 1/2 Moly	9 Chrome 1 Moly
2 Chrome 1/2 Moly	3% Nickel 7% Nickel
2 1/4 Chrome 1 Moly	5% Nickel 9% Nickel

AISI Types: 304-321-347-316-309-310-403-410-430-443-446

Analyses to meet conditions where heat, corrosion, pressure and structural strength are involved.

SIZE RANGE — WALL THICKNESS:

1/2 to 6 inches O.D. — wall thickness .035 to 1,000 inch.

TYPICAL APPLICATIONS:

Pressure tubes — Superheater tubes — Condenser tubes — Still tubes — Evaporator tubes — Barrel tubes — Oil-well Pump Barrels — Mechanical tubes — Aircraft tubes — Propeller tubes — Rollers for Transmission Chains.

The heating, piercing, rolling of seamless tubes is controlled at every step for uniformity, close tolerance.



GLOBE
TUBES

Globe engineers gladly give you the benefit of specialized knowledge of stainless steel tubing in a wide range of services and applications — to improve your product — to cut costs.

TO BE SURE . . .
SPECIFY GLOBE

GLOBE STEEL TUBES CO.

Milwaukee 46, Wisconsin

Chicago • Cleveland • Philadelphia • St. Louis • New York
Detroit • Denver • Houston • San Francisco • Glendale, Cal.
Producers of Globe seamless stainless steel tubes — alloy — carbon — seamless steel tubes — Globeless (high purity forged) seamless tubes — Globe Welding Fittings.