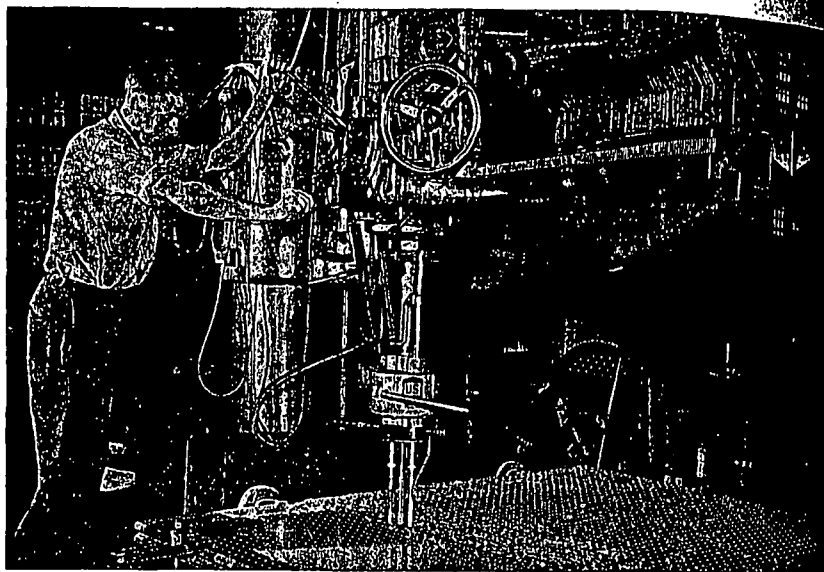




EIGHT FOOT RADIAL DRILL at Alco's expanded Dunkirk plant has multiple head for the precision drilling or reaming of several holes simultaneously. Special machines like this, many of them Alco-designed, all of them operated by veteran craftsmen, are an important part of the Alco method of producing economical, effective answers to the toughest of metal-fabricating problems.

ALCO engineers and craftsmen provide...

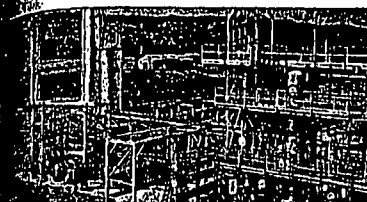
Answers to New Industrial Problems

Through many years of working closely with engineers of petroleum, chemical, power and manufacturing companies all over the world, Alco has developed economical, effective methods of solving new industrial problems.

The first step is a thorough exchange of ideas between the client's production engineers and Alco's designers and mechanical engineers. Then, Alco prepares complete design details and fabrication specifications, leaving the client's engineers free to concentrate on fundamentals. Finally, veteran Alco craftsmen fabricate the finished product.

Result: substantial savings to the client in original equipment costs and, frequently, in subsequent operating costs.

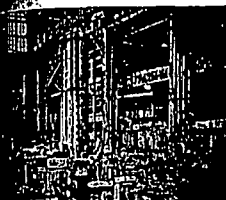
Next time you have a metal-fabricating problem—a problem that calls for specialized equipment or new ways to speed up production—we invite you to let Alco work out the answer. Contact your nearest Alco Products Sales Engineer at New York, Chicago, Los Angeles, Kansas City, Houston, Tulsa, Beaumont, or write direct to Dunkirk, N. Y.



PULA RICA NATURAL GASOLINE PLANT, part of Mexican petroleum industry, uses Alco heat exchangers in processing steps—plus Alco flash-tower heaters, depropanizers, depropanizer feed heaters, depropanizer bottoms heaters and other related units. Operated by Petroleos Mexicanos to meet the needs of Mexico City, the new plant can handle with its Alco equipment approximately 168,000 gallons of gasoline per day.



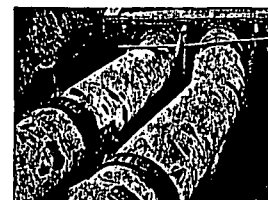
"FLEX-TUBE" EVAPORATORS at the Manila Electric Company's Rockwell Station, Manila, P. I., can produce approximately 6000 pounds per hour net vapor with no more than 1 ppm of impurities when water concentration in the shell is no more than 1500 ppm. With its patented Flex-Tube construction, this unique Alco evaporator offers industry the only positive-acting thermomechanical descaling device for straight tube installation.



EXPLATED STEEL PIPE for an important project had to be produced to tight schedule and the most exact specifications. With special production facilities and the concentrated efforts of Alco designers, engineers and craftsmen, Alco met the quality requirements. The made deliveries to the customer on schedule. A 20-ft length, 30-in. in diameter is being lowered into one of Alco's vertical plating tanks.



ALCO AIRCOOLERS will handle about 80 per cent of the cooling load at the Celanese Corporation's new chemical plant at Pampa, Texas. Designed to solve the plant's individual problems, they have twin 11-ft fans (one motor-driven, the other vent-gas-turbine-driven), removable exchanger heads, tube bundles that slide out on their channel frames, and stainless steel parts wherever the equipment is exposed to process liquids.



TWIN TRUNK MAINS of Alco steel pipe 60 in., 54 in. and 48 in. in diameter, with wall thicknesses of 3/4 in. and 7/16 in., were installed by the city of Philadelphia to replace smaller cast iron mains. Fabricated on huge bending rolls and welding machines at Alco's Dunkirk plant, they are typical of the many miles of special steel piping furnished by Alco over the years for many of the largest municipal and industrial water supply systems.

ALCO

ALCO PRODUCTS DIVISION

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