

ECONOMICAL answers to industrial problems—a few of which are shown on these pages—call for specialized facilities and years of experience.

Here at Alco you will find a large measure of both. You will find experience gained through many years of designing and fabricating heavy metal equipment for petroleum, chemical, power and manufacturing companies all over the world.

You will find modern equipment and machines, many of them designed and built by Alco, capable of meeting almost every conceivable type of metal-fabricating requirement—facilities operated by skilled craftsmen, and applied by designers and engineers fully aware of industry's needs.

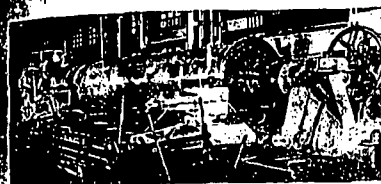
If you have a difficult metal-fabricating problem—a problem that challenges the imagination, that points to new equipment or offers new opportunities to cut production costs—we invite you to let Alco's facilities and experience produce the answer.

Contact your nearest Alco Products Sales Engineer in New York, Chicago, Los Angeles, Kansas City, Houston, Tulsa, Beaumont, or write direct to Dunkirk, N.Y.

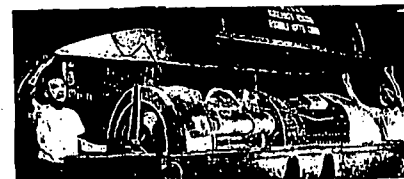
ALCO facilities and experience produce...

Answers to New Industrial Problems

TUNNEL INTERLININGS furnished by Alco in cold-rolled, carbon steel sections 40 ft long and 10 ft 6 in. in diameter will make the outlet end of New York City's new \$44,000,000 deep-tunnel Delaware Water Supply Tunnel. Held to close dimensions by electric fusion welded throughout, they are the latest of many piping sections fabricated over the years by Alco for New York water supply projects.



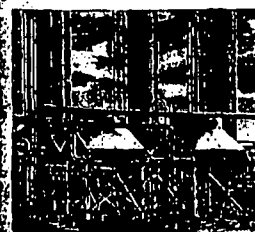
GIANT LATHE at Alco's 31-acre Dunkirk plant finishes and faces both flanges simultaneously on steel pipe up to 41 in. in diameter! Special machines like this, many of them Alco designed and all guided by the skilled hands of veteran craftsmen, help Alco solve the toughest of metal-fabricating problems.



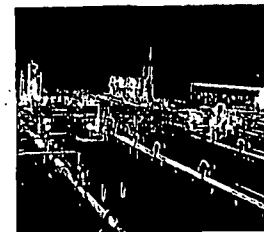
STEEL "CANS" FOR JET ENGINES, mass-produced by Alco, are carefully engineered to meet strict Air Force specifications. Example: they must "provide a barrier against the entry of water, dust, air and moisture without the aid of separately applied sealing compounds or materials."

ALCO

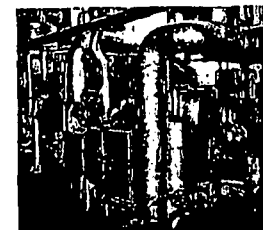
ALCO PRODUCTS DIVISION
AMERICAN LOCOMOTIVE COMPANY • DUNKIRK, NEW YORK



"UNI-BUNDLE UNITS," with their specially fabricated steel headers, demonstrate the versatility of Alco Aircoolers. Vertical partitions welded in the headers allow several different vapor or liquid streams to be handled in a single tube-bundle. Here, for example, at a large Southwestern natural gasoline plant, the Alco Aircooler at right not only cools the oil but also condenses the overhead vapor from the stream.



"TRAIN" HEAT EXCHANGERS, designed and built of nickel steel by Alco for the Tennessee Gas Transmission Company's new gas processing plant (the world's largest) at Gabe, Kentucky, helped cut both installation and operating costs. Their flange-to-flange construction minimized the amount of connecting piping required, while their huge size (42 in. in diameter, 160 ft long) assured maximum processing efficiency.



SPECIAL ALCO FLEX-TUBE EVAPORATORS at the Carolina Power and Light Company's new 160,000-kw plant at Goldsboro, N. C., produce vapor containing not more than 0.5 parts per million of mineral solids, hold make-up to less than one-half of one per cent. With its patented Flex-Tube construction, this Alco evaporator offers industry a positive-acting thermo-mechanical-descaling device for straight-tube installation.

