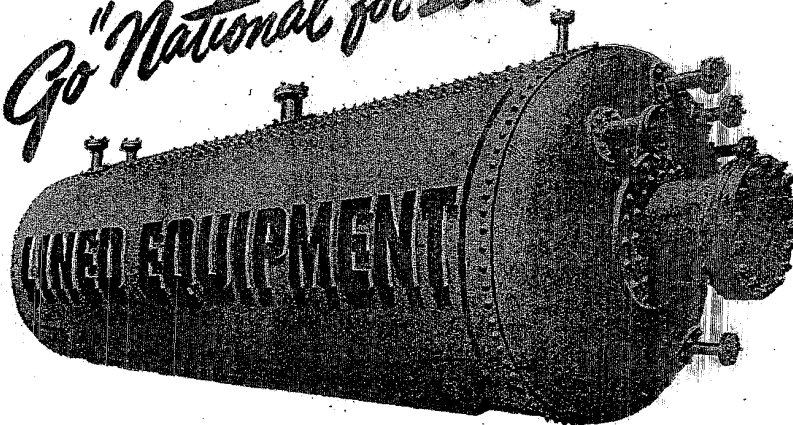


Go "National" for Lead



"Homogeneous" Lead-Lined Acid-Handling Equipment gives you these advantages:

1 *An Inseparable Lead Bond!* National Lead's "Homogeneous" Lead-lined Equipment gives you just that! The lead lining or covering is permanently bonded to the steel, copper or brass of which the apparatus is constructed.

With the "Homogeneous" process of bonding, you have positive assurance that the lead will not creep, buckle or separate from the steel. Despite shock, vibration, vacuum, pressure or high temperatures, rugged "Homogeneous" equipment goes on doing its job . . . cutting down costly replacements (and even more costly shut-downs) . . . repeatedly proving itself a sound, profitable investment.

You can't part 'em. You can clamp a strip of our "Homogeneous" lead-bonded steel in a vise and twist it until the steel fractures. But there'll be no parting of lead and steel. They're bonded for life!



2 *Durability at High Temperatures!* Since no tin or tin-lead solder is used in the bonding of "Homogeneous" equipment, you can safely employ this equipment at temperatures closely approaching the melting point of lead itself (620° F.).

But that's not all! The "Homogeneous" bond holds fast even when subjected to rapid changes in temperature.

Most of the "Homogeneous" processing equipment we produce is designed for service at elevated temperatures. This includes not only lead-lined tanks, autoclaves and the like, but also lead-covered agitators, propellers and mixing devices of many different types.



For heating or cooling, you'll find "Homogeneous" lead-covered copper coils at work in many industries.

3 *Designed to Your Order!* National Lead's "Homogeneous" Lead-lined or Lead-covered Equipment is individually fabricated to your specifications. That is because acid-handling problems differ. Efficient, cost-saving equipment must be specially designed to meet given conditions.

Our Engineering Department offers you its full cooperation in the control of acid corrosion. We will be pleased to offer suggestions on the most economical and satisfactory way for you to utilize the protection of lead.

Specify "Homogeneous" Lead-lined or Lead-covered protection for . . .

Acid Car and Trailer Tanks
Acid Columns
Agitators
Autoclaves
Digestors
Heat Exchangers
Vacuum Tanks
Propellers
Heating and Cooling Coils

No Matter What Your Acid-Handling Problem . . .

Go "National" for Lead

National Lead is ready to consult with you and supply any type of lead pipe . . . valves . . . sheet . . . lead-lined or lead-covered equipment . . . even complete acid recovery plants. And behind every National Lead product . . . every National Lead recommendation . . . are years of experience and many important installations in every field handling corrosive liquids and gases.



NATIONAL LEAD COMPANY

111 BROADWAY, NEW YORK 6, N. Y.

Offices and Plants in Principal Cities and Canada

KL-3845—Chemical Engineering, April and October—Petroleum Refiner, April and October—Textile World, April and November—Iron Age, July 10—Steel, June 2, 1947 ★

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