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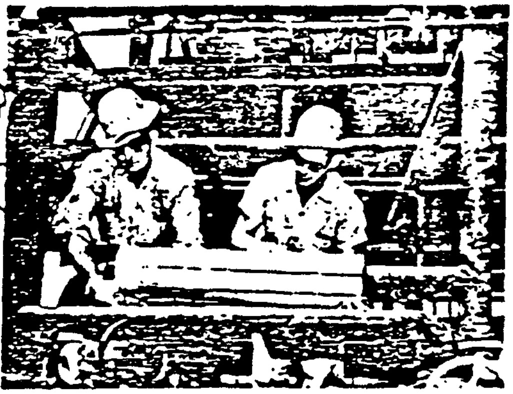
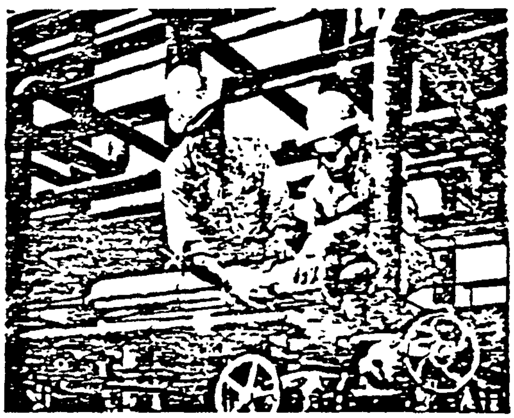
For Efficiency & Economy—

Special Insulation Goes on Pipes at Aldox Unit

(Discontinued about 1972) Johns Manville Thermobestos continue asbestos.



Insulators W. A. Gerald and J. W. Robertson of the Construction Department, in the picture at left, find the new aluminum-jacketed insulation section easy to install. The section opens for placing around the pipe, then snaps shut. In the picture at right, Robertson aligns the seams of the jacket for watertight closing.



Gerald and Robertson adjust fastening bands called "snap straps" around the section of insulation.

At Baton Rouge Refinery there is a continuous search for tools and equipment that will meet, economically and efficiently, the refinery's many specialized needs. That is another way in which the refinery remains modern and competitive.

For some time, there has been a demand in the refinery for a high-temperature pipe insulation that can be installed easily and quickly that will require little maintenance and that will present a good appearance.

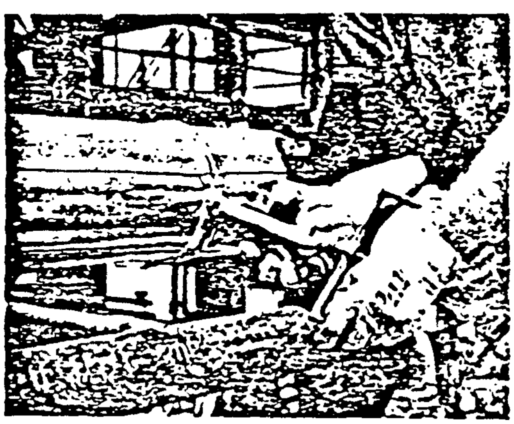
In test applications the special type of insulation being applied to pipes at the new Aldox Unit has filled all those requirements. Called Metal-On, the product consists of high-temperature Thermobestos pipe insulation pre-jacketed with aluminum at the factory. Thermobestos is a trade name for hydrous calcium silicate bonded with asbestos fibers.

Thermobestos pipe insulation is already in use in many units in the refinery, but it, like other types of pipe insulation, requires the added installation of weatherproofing material. Treated felt usually is used for weatherproofing, though sheet metal has been used. Applying either of those materials is a time-consuming operation. In the case of sheet metal, it is quite expensive.

The use of Metal-On eliminates the weatherproofing operation. Insulation and jacket form a single unit, installed in a single operation. Installation is easy and rapid. A section is snapped onto a pipe and locked in place without the use of screws. Joints are sealed with aluminum "snap straps" fastened with conventional metal strapping bands. The under-side of the snap straps have been treated with a sealing compound to make the seal water-tight.

Because of its strength and corrosion resistance, the aluminum alloy jacket is almost maintenance-free.

Especially approved by maintenance people is the insulation's easy removability for pipe repair and maintenance. During turnarounds, particularly, Metal-On is expected to prove its efficiency and economy. After removal from pipe, it can be re-installed with little difficulty and no material loss.



After the snap straps are in place they are fastened with conventional metal strapping bands, which lock together at the ends without the use of screws. Robertson is locking one of the strapping bands in the picture at left. At right, Aldox Unit pipes which have been insulated with the special product are observed by R. R. [illegible], Mechanical Engineering, L. K. [illegible], Mechanical Technical services, and J. H. Lee, Jr., Scheduling & Development.