

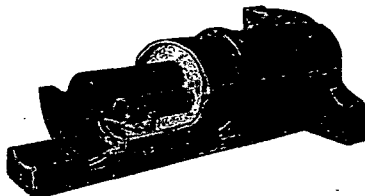
ADSCO
PRODUCTS
for STEAM
SERVICE

AMERICAN DISTRICT STEAM COMPANY

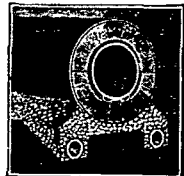
NORTH TONAWANDA, N.Y.

IN BUSINESS OVER SIXTY YEARS

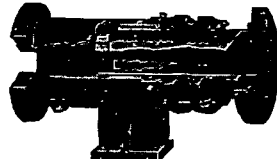
Branches and Agents in Principal Cities



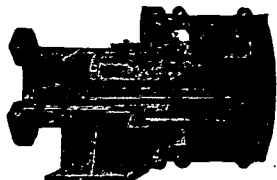
Tile Conduit with ADSCO Filler Insulation—
a "Fiberglas" Product



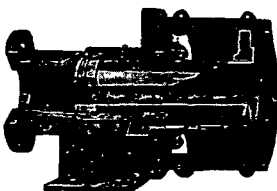
Red Diamond Brand Wood Casing



Internally Guided Joint



Internally-Externally Guided Joint



Piston-Ring Type Joint

**OVER SIXTY YEARS EXPERIENCE
IS BUILT INTO THE DESIGN AND
MANUFACTURE OF DEPENDABLE
ADSCO PRODUCTS FOR PIPE LINES**

For over sixty years ADSCO engineers have specialized in the design and application of pipe fittings and accessory equipment for underground and surface steam, water, oil and other piping systems. An extensive, modern plant including foundry, machine shop, casing mill, shipping and storage facilities enable ADSCO to produce high grade products by skilled workmen under expert supervision.

**LEADING MAKERS OF
EXPANSION JOINTS**

As pioneer manufacturers of expansion joints for pipe lines, ADSCO is the largest single producer of such equipment in the world. We offer the most extensive line of packless and slip type joints in various types to meet the requirements of any pipe line expansion and contraction problem. In addition, ADSCO produces all of the related equipment necessary to the permanent installation of efficient pipe lines, including tile conduit and wood casing for underground lines, pipe supports, saddle plates, alignment guides, steam traps, condensation and flow meters, storage and instantaneous water heaters, strainers, manhole frames, and vapor heating specialties.

ENGINEERING ASSISTANCE

ADSCO engineers welcome the opportunity of working with industrial plants, utility companies, colleges, institutions, and government departments in the solution of their pipe line expansion and contraction problems and correspondence is invited giving the details of any proposed piping installation.

WRITE FOR ADSCO CATALOG No. 35

All ADSCO products are illustrated and described in the latest ADSCO Catalog No. 35 containing over 136 pages of informative data for the specification and purchase of dependable products for underground or surface pipe line distribution systems. Write for your copy today to the American District Steam Company, 65 Bryant St., North Tonawanda, New York.

H. W. Porter & Co.
INCORPORATED

817-G Frelinghuysen Ave., Newark, New Jersey

Permanent Protection and Insulation for Underground Pipe Lines

BALTIMORE, MD.

CHARLOTTE, N. C.

RICHMOND, VA.

Therm-O-Tile
REG. U.S. PAT. OFF.

**STEAM
CONDUIT SYSTEMS**

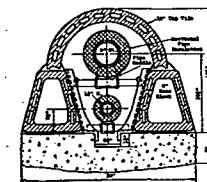
"Permanent"—Now that Therm-O-Tile has been on the market over ten years, and its design is well known by all leading heating and ventilating engineers, we would like to point to the importance of "Permanent protection."

In previous issues of this book we have stated that Therm-O-Tile is "A complete conduit system for the permanent support, protection, and insulation of underground mains for steam distribution."

Not Merely "Temporary"—It is not difficult to provide temporary protection and insulation for underground pipe lines. Threads and joints don't fail immediately, and foundations don't sag immediately, but unless the job is properly done it won't be long before water seeps in and ruins the insulation. With wet and spoiled insulation efficiency drops drastically. And, unless the conduit is built on a solid foundation there will be sagging and collection of water in pockets.

Therm-O-Tile Drainage System—In the Therm-O-Tile concrete base there is a drainage channel—clearly visible in photograph at right—which carries off all water that may enter the conduit from any source, thereby keeping the insulation permanently dry. Drainage is entirely internal. The channel is accurately and permanently sloped so that condensate or other pockets cannot form. Open to thorough inspection at any time at manholes. Ample large to keep the pipe space dry at all times.

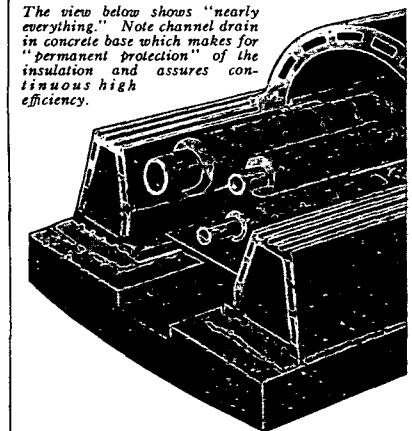
"Spread Footing" Foundation—So that there will be no settling or sagging the Therm-O-Tile "Spread Footing" found-



Single or Multiple
Pipe Lines Using
Sectional Pipe
Insulation.

Typical piping arrangement in Therm-O-Tile when there are two pipe lines. Note the channel drain which "permanently protects" the insulation.

The view below shows "nearly everything." Note channel drain in concrete base which makes for "permanent protection" of the insulation and assures continuous high efficiency.



ation base is a thick concrete slab poured directly in the trench bottom as shown in the photograph. It is steel reinforced when installed over filled or boggy ground—a construction necessary for "permanent protection."

See Previous Issues—In previous issues of this GUIDE we gave details regarding the Tile Envelope which produces 27 different conduit cross sections. We told about the ideal accessibility of this conduit, its great strength, how it is waterproofed, and how the insulation is applied. For complete information ask for a copy of Bulletin 381.

Help Win the War—Therm-O-Tile is made almost entirely of "Non-Critical Materials." Less than 2 per cent of the entire conduit, by weight, is made of metal—the pipe supports are the ONLY metal.

Competitive In Cost—Despite the high efficiency, strength, dependability, and other highly desirable features that are obtained in Therm-O-Tile, it is nevertheless competitive in total first cost. Thorough investigation is invited.

We Co-operate—Our engineers have had unusual and broad experience in the design and installation of steam conveying equipment for a vast range of purposes. They will gladly cooperate in solving your own individual problems of this nature.

Representatives—Therm-O-Tile is sold and installed by Johns-Manville Construction Units in all principal cities.