LEAD INDUSTRIES ASSOCIATION
420 LEXINGTON AVENUE
NEW YORK 17, N. Y.

METALLIC LEAD PRODUCTS DIVISION

June 9, 1938

[redacted]

To Members of the Metallic Lead Products Divisions:

We are attaching copies of two items which we believe to be particularly significant with respect to the greater use of lead in plumbing as a result of modern production methods. They are:

1. Reprint of an article in the "Journal of Housing," official publication of the "National Association of Housing Officials," taken from articles that appeared in "Lead" and "Plumbers' Forum."

2. An unsolicited letter from a large plumbing contractor whose work is not only local but nation-wide.

The N.A.H.O. is an organization of over 3,000 officials of public housing authorities all over the United States. We believe publication of this article indicates a readiness to accept lead plumbing in competition with other types providing full advantage is taken of lead's adaptability to modern cost-saving methods of installation.

The letter, we believe, indicates a recognition on the part of plumbing contractors who compete for big jobs of the advantages of lead and its place in the highly competitive field of large housing projects.

The significance of these two items is, in our opinion, that lead can be sold in a competitive market regardless of plumbing code requirements if full advantage can be taken of modern installation methods. This can be done through education of contractors in these methods and aggressive selling.

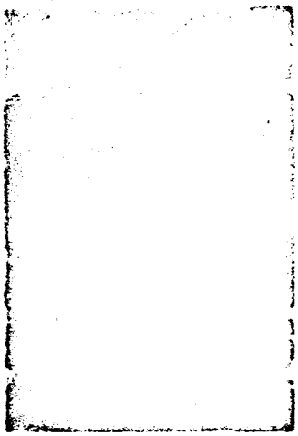
Very truly yours,

Robert L. Haggerty

Secretary.

Construction Ideas . . .

TRIPLE-DUTY CONCRETE CAVITY WALL STOCK PRODUCED IN ISRAEL



A concrete cavity wall construction block that provides waterproofing, insulation, and an exterior surface finish without any post-construction treatment has been developed by an engineering and contracting firm in Israel as one solution to high construction costs for one and two-story buildings. The blocks, called *Dorbloks* (shown above), consist of two 2½ inch thick walls and two horizontal bonds joining them, all cast together as a single unit. An artificial stone facing for the exterior side is molded into the side of the block when it is cast.

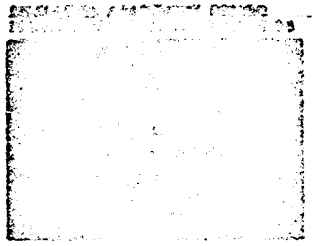
The waterproofing qualities of the block result from the 45 degree upward slant, from outside to inside, of the horizontal bond pieces between the walls. This arrangement utilizes gravity to reduce the passage of moisture from the outer wall to the inner wall. The 4½-inch distance between the two walls provides the insulation, an important factor in Israel, where high temperatures are common.

Dorbloks are also available with 11½-inch thick walls for use with reinforced concrete or steel frames on buildings over two stories.

LESS PRODUCTION OF PLUMBING MEANS CONSTRUCTION COSTS

Houses without plumbing are, it is to be hoped, a thing of the past . . . but sidewalk superintendents watching construction of two public housing projects recently were treated to the spectacle of plumbing without houses. The piping was mass produced and mass installed on the house sites before the houses were built; then, when the houses were up, the piping was adjusted to fit the structures. The secret to the operation is the lead plumbing pipes and fixtures used in the work. The adaptability of lead fixtures to bending and reshaping after the house is built in order to accommodate the the structure built around it and to compensate for minor dimensional discrepancies makes the "plumbing first, house later" system possible and also permits the resultant economies of mass production and mass installation.

Shown below, left, are the houseless lead plumbing systems waiting for construction of units of the Sam Levy low-rent housing project of the Nashville Housing Authority. At the Sangre de Cristo housing project of the Housing Authority of the City of Pueblo, Colorado a similar production of performed lead plumbing systems is shown below, right, ready for installation.

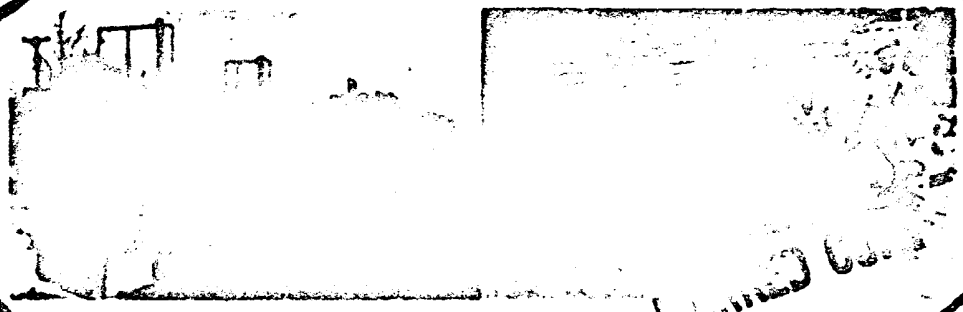


A new concept of [illegible] apartment designed for high-rise buildings has recently been developed by a New York architectural firm to provide new economies in low-cost housing construction and to enhance living conditions of the tenants. The split-level apartment idea, shown above in a model, was worked out by the firm of Kahn and Jacobs for a proposed housing project of the New York City Housing Authority.

The plan calls for public corridors at every two and a half floors only, allowing split-level apartments to be staggered between two-room efficiency apartments for the entire height of the building. The split-level apartments will have the advantages of through ventilation, exposures on both sides of the building, a reduction in the distances between rooms of an apartment, and an impression of spaciousness.

The new design is expected to provide several construction economies: more of the gross area of the building is utilized for living; fewer columns and consequently less extensive piling and footings are required; and fewer public corridors and elevator stops are needed.

This type of high-rise building, however, is not an entirely new idea. A similarly planned building was designed by the Philadelphia firm of Kahn, McAllister, Brink, and Day for The Philadelphia Housing Authority's Mill Creek project (see October 1951 Journal, pages 339-341) but was never put under construction.



(COPY)

WALDO PLUMBING & HEATING CO.
230 East 7&th Street
Kansas City 5, Mo.

May 27, 1954

Lead Industries Assn.
420 Lexington Ave.
New York 17, New York

Dear Sirs

I want to take this opportunity to Thank You for the nice write-up and the pictures in the latest issue of your magazine.

I thought you might be interested to know that the Health Department of Jackson County, Missouri, has passed a law that all tub, lavatory, sink and closet wastes shall be lead wiped to brass ferrules. This became effective May 22, 1954, and Jackson County is the next largest to St. Louis County.

If you could send me about twenty-five (25) more copies of this issue of the magazine, I will be glad to pay you for them.

We do so many large housing projects, in all states, from here to the west coast, I would like to send a copy to the General Contractors we are working for.

Most sincerely yours,

WALDO PLBG. & HTG. CO.

s/Al Schad
t/Albert A. Schad
President

AAS:vb