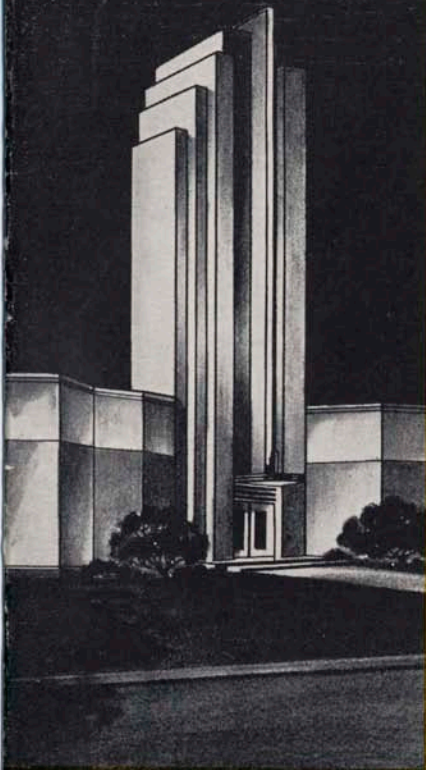


30

The Glass Block Building



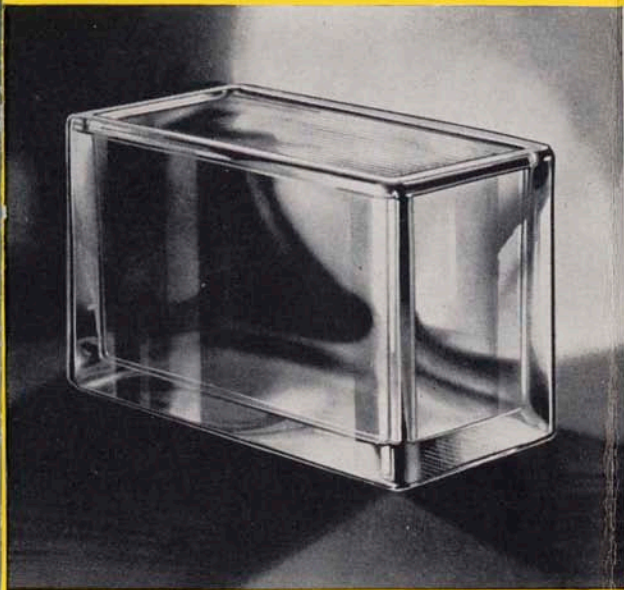
A CENTURY OF PROGRESS

1 9 3 3

A PRODUCT OF THE
INDUSTRIAL MATERIALS
• DIVISION •

OWENS - ILLINOIS
GLASS COMPANY

THE BUILDING BLOCK OF GLASS

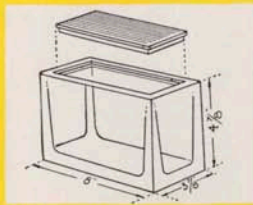


The glass block used in the construction of the Owens-Illinois Glass Block Building at "A Century of Progress" is a hollow, six-sided unit of cast glass. It is made by separately pressing a five-sided unit and a lid. The lid is then hermetically sealed to provide an airtight cavity within each block. The glass block is laid up in commercial mortars, its use requiring no new technique or special masonry skill.

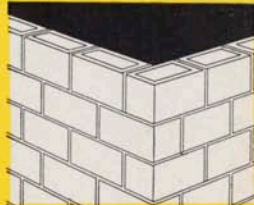
The glass block is used as a non-load-bearing material for exterior as well as interior walls and partitions, and accomplishes the purposes of an insulated wall through which light is transmitted. It is made of flint glass, or the same basic unit may have color applied to four or five sides to give a decorative effect as used in our World's Fair Building.

Buildings which are especially well-suited to glass block construction are gasoline filling stations, bakeries, dairies, exterior and interior industrial walls, and any other structure that requires a permanent wall which carries in itself the correct structural proportions, light transmission ability, insulation protection and freedom from maintenance.

For complete, detailed, technical information, illustrations of method of application and prices, write Owens-Illinois Glass Company, Industrial Materials Division, Toledo, Ohio.

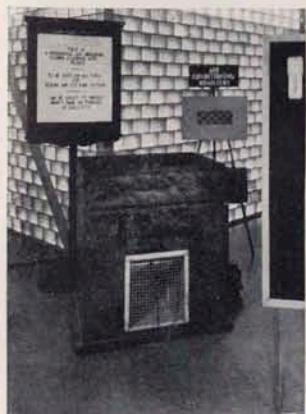
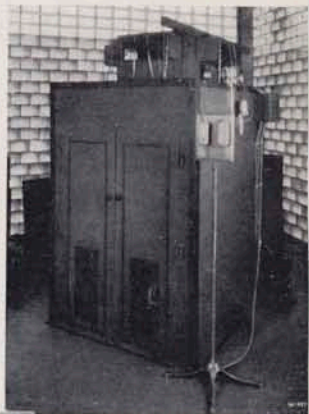


Here is shown the six-sided Owens-Illinois Glass Block with lid before being hermetically sealed. Dimensions are $4\frac{3}{8}$ " high x 8" long x $3\frac{3}{8}$ " deep.



The laying of the glass block requires no special technique other than ordinary masonry skill. A mason can lay up to 500 glass blocks per day, tool finished, and wiped off on both sides.

Filter-equipped furnaces circulate only CLEAN WARM AIR



Here are shown standard forced air furnaces, a mechanical blower and typical gravity type furnace on display at "A Century of Progress." All are air filter equipped.

Exhibited by the National Warm Air Heating and Air Conditioning Association at "A Century of Progress".

In this display are the latest types of warm air furnaces, both mechanical and gravity, all equipped with air filters.

Heating plants which supply clean, dust-free air win immediate approval of the housewife. She recognizes in clean air, protection from dust-wear of draperies, rugs, upholstery and walls. Freedom from pollen and other

impurities improves health conditions for the entire family, 365 days of the year. Air filters are suitable for installation in all types of warm air furnaces, whether new or already in use.

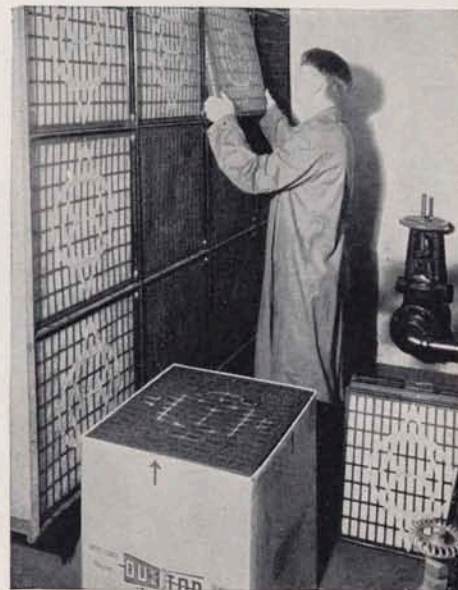
DUSTOP GLASS WOOL FILTER *The Economical and Efficient way to CLEAN Air.*

Air cleaning in commercial, industrial, public and domestic buildings can be done more efficiently and at less cost with Dustop than any other air filter on the market. Dustop economy begins with the low initial installation cost, and continues throughout use with nominal replacement expense. The ease of servicing, by merely substituting new Dustop filters for dirty ones, eliminates the messy job of recleaning filter.

The Dustop filter maintains a constant high efficiency, as shown by scientific tests. Dustop removes 96% to 98% of all impurities from air which includes not only dust, dirt, lint and soot, but also fever pollens, bacteria and other harmful matter. The finely spun glass wool is coated with an adhesive which greatly increases its capacity for catching and holding dust.

For greatest economy and cleaning effectiveness, Dustop filters are installed in factories, stores, theaters, offices, and homes, as a safeguard to health, a protection to furnishings and merchandise, and as an aid to fine production operations. Dustop can be installed wherever air circulates. The use of Dustop filters is not restricted by building size, as Dustop banks can be assembled for any required number of units.

Let Dustop clean your air. Our engineers will gladly help you solve your air filtering problems. Write to us for further information. Owens-Illinois Glass Company, Toledo, Ohio.



Here is a typical Dustop filter bank in a commercial building. New filters are easy to substitute for dirty ones, which can be placed in the shipping carton for convenient disposal.



BEFORE — Unretouched cross-section photograph of a clean Dustop filter.



AFTER — Unretouched photograph of section cut through used Dustop, showing its great dirt catching capacity.

60 Years of Leadership in Glass Making

Back of Owens-Illinois bottles, which are contributing immeasurably to the health, comfort, and enjoyment of all the people, is sixty years of experience and research and the best effort and constructive thought of thousands of employees.

Owens-Illinois is the largest manufacturer of glass containers in the world and mainly through our developments, glass containers have become fine and durable as well as inexpensive enough to permit of universal use. Everywhere glass is known as the ideal container for all types of products—including foods, prescriptions, proprietaries, cosmetics, milks and beverages.

Glass is rapidly being developed by our Industrial Materials Division in colorful block form as the most modern of building materials—in the form of glass wool as highly efficient insulation—and in similar form as filters which economically provide clean air for factory, office and home.

This is indeed the glass era and glass is becoming increasingly important to all phases of life and living, from infancy to old age.



Owens-Illinois Glass Company - Toledo