Chamberlin Metal Weather Strip Co., Inc.

General Offices, Detroit, Mich. **Factories, Detroit, Mich., Peru, Ill.**

Factory Sales—Installation Branches

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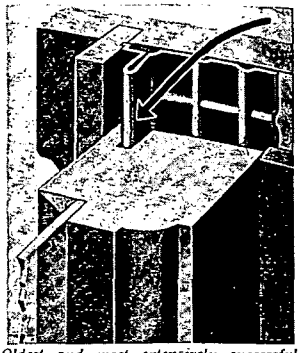
CHAMBERLIN HEAT-SAVING PRODUCTS

Weather Strips, Calking, In-Dor-Seals, Insulation and Insulate-Windows.

Weather Strips

Modern weather strip service, in which engineers and architects can have greatest reliance, is one that can responsibly fulfill conditions of a contract. For problems of infiltration or circulation of air, gases or mixtures, leakage of rain, filtration of dust, sand or soot—there's a Chamberlin Weather Strip remedy regardless of climatic or construction conditions. Particularly helpful to the engineer is the knowledge that the job can be entrusted, regardless of location, to a Chamberlin Factory Branch employing experienced mechanics.

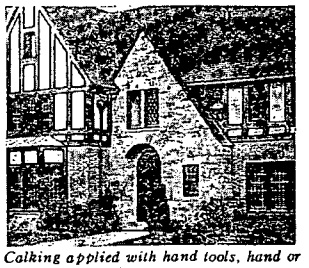
Modern problems of heating, ventilating and air conditioning can be approached with utmost confidence in this field with the aid of Chamberlin's proven 45 years of experience and specialized training. Write for *A.I.A.* catalog of standard details and specifications. Consult nearest branch for equipments, surveys, quotations.



Oldest and most extensively successful weather strip principle—tongue in groove. 80 to 95 per cent efficient. No failure or upkeep.

Calking

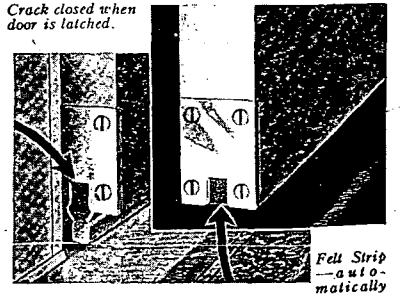
Chamberlin Plasti-Calk is essential in the sealing of construction joints in wood, metal, glass, stone, tile, concrete and brick. It is waterproof, permanently elastic, non-staining and noncorrosive. It provides durable adhesion and will not sag, pucker, or shrink under extremes of heat or cold, dryness or moisture. Chamberlin Plasti-Calk is specially prepared with porous pigments capable of retaining oil indefinitely, and does not contain tar or asphalt. Supplied in various colors. It is all important that a calking compound be specified thoroughly on the basis of stringent physical properties. Such specifications will be furnished upon request.



Calking applied with hand tools, hand or power gun.

Automatic Door Bottoms

In-Dor-Seals eliminate under-door drafts and heat losses in rooms adjacent to cold areas, corridors and halls—as in a sleeping room door—virtually an "outside" door at night when windows are open. They are used to light-proof X-Ray and dark rooms; to sound-proof private offices, studios, laboratories; to resist room-to-room circulation of odors, fumes and dust.



Crack closed when door is latched.

Felt Strip—automatically raised the instant door opens.

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Rock Wool Insulation

Having an average conductance coefficient of 0.24 to 0.27 Btu, Chamberlin Rock Wool is one of the most efficient insulations available today. Long in fibre and clean of "shot", it insures effective insulation with low density and light weight. It is available in several forms adaptable to both new and existing construction—in blowing, commercial or loose wool fibres; in wall-thick or 2 in. thick batts, with or without vapor-proofing coverings. Among its physical properties Chamberlin Rock Wool averages 38 per cent silica, 32 per cent lime and only 0.04 per cent sulphur. Its loss on ignition is less than 0.1 per cent. Wherever possible pneumatic application, by means of such modern high-powered and efficient transient units as illustrated, is preferable. Here again, the engineer will do well to consider the value of faithful, responsible performance in the art of application—the hidden factor that means so much in obtaining the utmost efficiency from insulation.



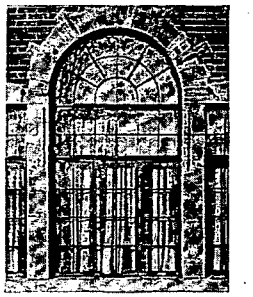
Typical Chamberlin Insulation unit. Equipped with powerful, gas-powered, pneumatic blower capable of projecting granular grade "A" rock wool a minimum distance of more than 200 ft through a large rubber hose.

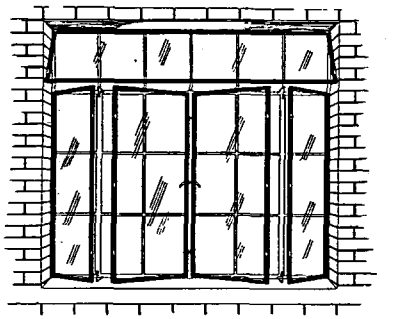
Insulate-Windows

In addition to other major heat loss controls, Chamberlin has developed a product that reduces 40 to 60 per cent of the heat loss of glass in standard window construction.

Thousands of Chamberlin Insulate-Window (registered tradename) units have been applied to wood and metal windows in existing buildings, including offices, banks, residences, etc.—they are *not* double glazed units. They are single glazed and custom made *to supplement* existing windows of practically any type. Depending upon characteristics of the areas and sash to be "insulated," Insulate-Windows are hinged, stationary or sliding. They are framed with a patented rolled section of antique-finished, cold-rolled bronze embodying ingenious features of mechanical glazing in place of putty. Chamberlin "insulation" of windows is a high grade, mechanical service involving design and installation of durable, secondary window units, readily accessible for cleaning and removal when necessary—no interference with sash operation or ventilation. Insulate-Windows provide a year 'round heat stop that gives practical relief without the technical difficulties involved in double-glazed windows.

At right—near view of "insulated" residential metal casement windows. Chamberlin Insulate-Windows on outside. Below—battery of Insulate-Windows showing how they can be hinged. All 5 units can be unlatched from within the room by simply opening the two casement ventilators.





See Chamberlin exhibits in The Home Building Products Building at the New York World's Fair.