DRYING SYSTEMS INC

11 South Desplaines Street

CHICAGO·U·S·A

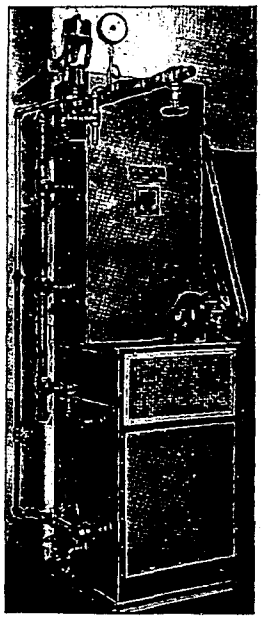
Varnish Drying, Air Conditioning and High Temperature Baking Equipment and Heating Equipment.

Drying Systems, Inc., specializes in drying and heating equipment. Our equipments have been applied with conspicuous success to the drying of Varnish and Undercoatings, Low and High Temperature Enamels, Dimensioned and Core Stock, Veneered Panels, Coated Cloth and Leather, and many other products, as well as for space heating purposes. We also design and install air conditioning apparatus for Finishing Rooms.

With **Dry-Sys** process and equipment the artificial hastening of drying is so effected that the coating is thoroughly and uniformly dried throughout its entire depth, because it provides adequate circulation of properly humidified and heated air. Heated air, alone causes surface-drying and detrimental changes. Since the **Dry-Sys** method provides the vital element in drying—HUMIDITY—drying becomes a perfected and rapid process, insuring a coating of finest quality, both in appearance and in durability.

And of even greater importance the **Dry-Sys** method of conditioned air drying insures a positive and unvarying time schedule regardless of outdoor weather. This permits the establishment of an efficient drying routine, on an exact schedule, greatly increasing production and minimizing costs.

Our broad experience in drying and conditioning, and in space heating as well, is at the disposal of our clients and we invite correspondence with reference to such problems.



The Drying Unit

THE DRYING UNIT consists of a substantially constructed sheet metal casing in which are compactly assembled a multi-blade fan, radiator (for either high or low pressure steam), an air washer-humidifier, automatic temperature and humidity control, steam supply and return, water supply and drain, and the necessary valves, all ready for quick connection. The Unit is manufactured in three sizes and can be installed in connection with dry rooms—from 2000 to 12000 cu. ft. contents—without radical changes in construction. Used in many plants for drying varnish, undercoatings, dimensioned and glued-up stock, and many other materials. Bulletin H-13 gives full particulars.

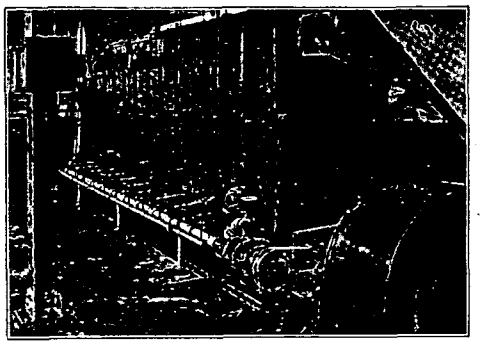
HIGH TEMPERATURE EQUIPMENT

Dry-Sys High Temperature equipment is exceptionally economical, as well as entirely safe, for High Temperature Baking of Enamels, Drying and then Processing of material. The range of delivering temperature is from 250° to 700° F. Low temperature applications of this equipment for space heating purposes have proved to be successful as well as very economical.

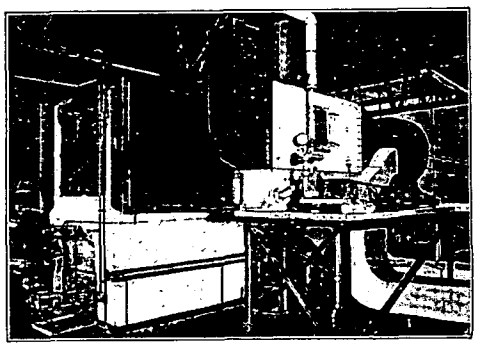
This equipment is built in sections, and additional sections may be added as required, with very little alteration to original setting. The unit-construction of the Lawrence Heater has another advantage in that it makes relocation simple—heater can be taken down and set up very quickly and at small expense.

The system embodies the scientific principle of counter-current flow or air. The air is forced downward through successive radiating zones, leaving the heater at the point of maximum temperature. These heaters are designed to use oil as fuel. While they operate satisfactory with gas, we recommend it only in those instances where the cost does not exceed that of oil.

Every condition is a new engineering problem. We shall be glad to give you the benefit of the long and specialized experience of our engineering corps—without obligation. Send for Bulletin H-14 and H-15.



The Lawrence Heater



The Harrison Aertube Heater

THE PHOENIX AIR FILTER

The Phoenix Air Filter is self-cleaning, because the filter screen constantly rotates at a slow rate of travel, passing through an oil reservoir. It is a twenty-four hour-a-day performer, operating at all times with the same low resistance and efficiency. It requires no supervision or maintenance because there are no parts to get out of order or clogged cells to clean.

The Phoenix Air Filter is built in units ranging from 2,000 to 20,000 C. F. M. It is particularly adapted for turbo-generators, air compressors and ventilation work in public buildings, factories, department stores, etc. Ask for Bulletin No. H-26.

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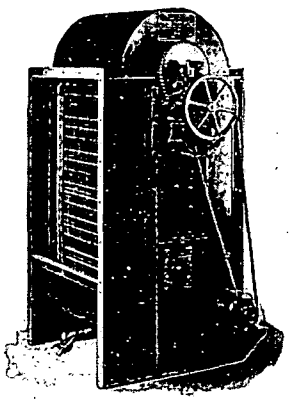

"The Screen That's Always Clean"

DESCRIPTIVE BULLETINS WILL BE SENT UPON REQUEST