

STURTEVANT AIR WASHERS

In theaters, public and private buildings, industrial plants, and similar establishments, the primary purposes of air washers are to cleanse, purify, and humidify; and to cool and dehumidify the air which passes through them. Sturtevant Air Washers perform all of these functions, and for many years have played an important part in the field of air conditioning.

Besides their wide application in conditioning air for human comfort, these machines are used for a variety of other purposes.

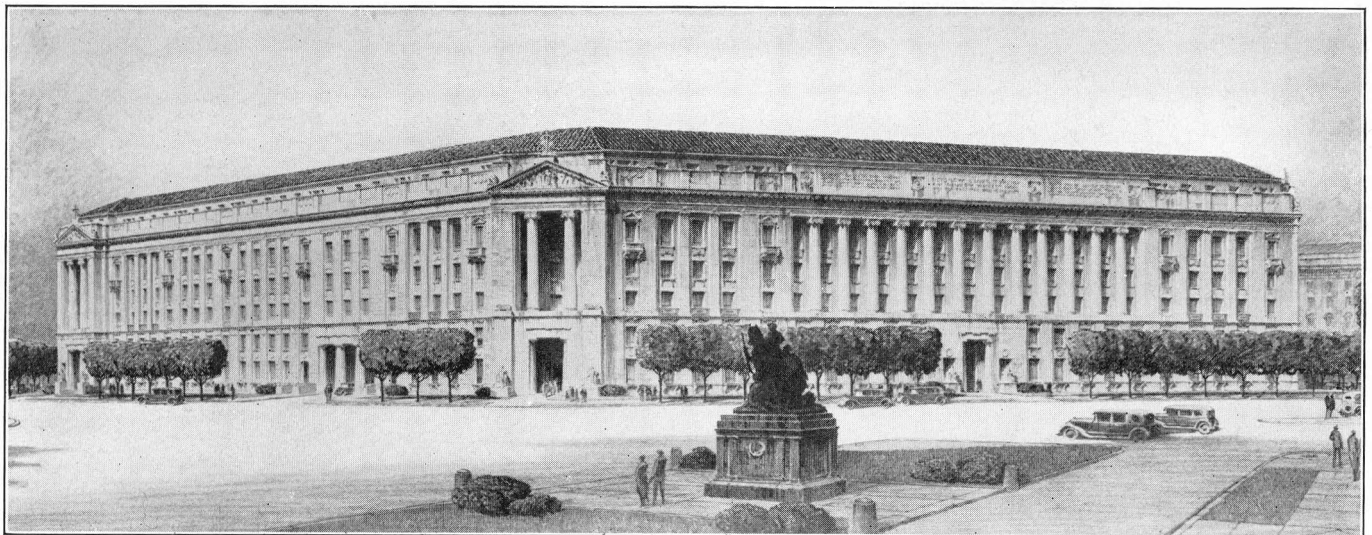
In some industrial plants where an objectionable amount of dust is created by manufacturing processes, or where unvarying humidity is essential for proper handling of materials, a Sturtevant Air Washer will thoroughly clean the air, and maintain the desired atmospheric conditions.

In electric power plants the use of Sturtevant Air Washers offers a number of important advantages. By supplying cool air to the generator, they allow a greater load to be carried with the same final temperature in the generator windings. Deposits of dust and

soot, which clog openings in the machines, are prevented. Cleaning costs are reduced and the life of insulation is lengthened by both the cooling and cleaning effects.

When used for supplying air to engine rooms, the Sturtevant Washer prevents the temperature from becoming unbearably hot. It also removes the dust and dirt which otherwise settle on moving parts and work into oil and bearings, and the oil saving alone frequently justifies the cost of the installation.

Sturtevant Air Washers find another application as Heat Economizers in industrial establishments as well as in some public buildings, where systems of ventilation would otherwise be needed. The heated air which has been supplied to the various rooms is recirculated through the Washer, where all solid matter, as well as soluble fumes and gases, is removed. The air is then returned to the rooms in a purified and freshened condition. Where this type of installation is permissible it results in a tremendous fuel saving over a ventilating system.



DEPARTMENT OF JUSTICE BUILDING, WASHINGTON, D. C.
One of the world's largest comfort air-conditioning installations, using eleven Sturtevant Air Washers.

