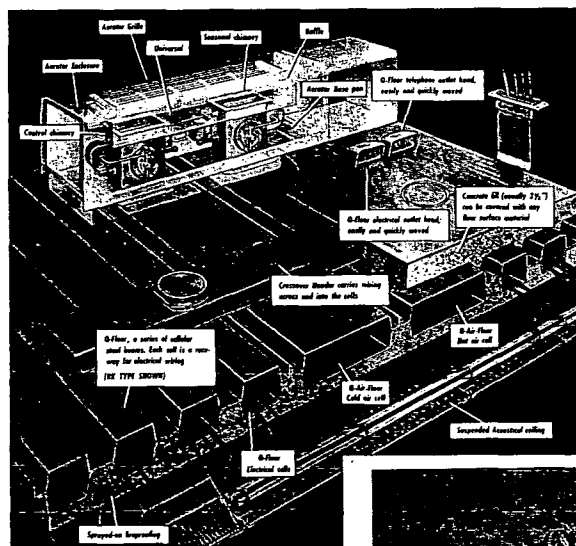


H. H. ROBERTSON COMPANY

2400 Farmers Bank Building

Pittsburgh 22, Pennsylvania

ROBERTSON Q-AIR FLOOR SYSTEM

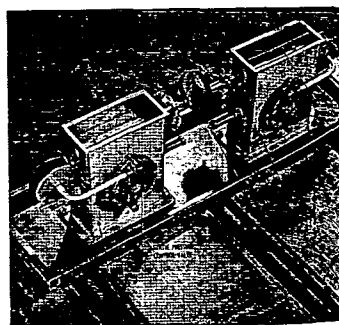


Robertson Q-Air Floor is cellular steel sub-floor construction that incorporates within its thickness structural, load bearing cells that are available as electrical raceways, plus larger structural cells for use in air distribution. (See cutaway illustration, at top). These special, load-bearing cells can be adapted by the air conditioning contractor to transport air from horizontal header ducts to terminal units in the room. These cells can also be utilized for return air.

In Robertson Q-Air Floor, use of the floor cells for air passages reduces the space between ceiling and floor above. Overall building height can be further reduced (without sacrificing ceiling height) by running the secondary supply headers through the web of the horizontal beams instead of below them. Savings in construction cost result because of the reduced cubage of the building.

Except for during peak summer cooling periods, the SEASONAL CHANGE-OVER feature on Robertson's Aerator keeps the power requirements at about 65 percent of peak consumption. In addition this feature will reduce the size of the central air handling equipment required by the conventional dual duct system.

Other than the change in width of occasional cells, Robertson Q-Air Floor is similar to standard Q-Floor—a product having the experience of 27 years and more than 15,000 installations behind it.

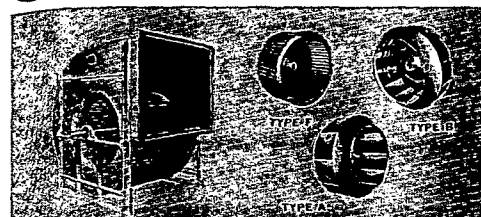


The Robertson Aerator, shown above in addition to its normal function as a mixing box, in which air from the hot and cold sides of the system is mixed in response to the setting of a thermostat, also makes possible the conversion of the hot side for supplemental cooling use during the hot months of the year. This "seasonal change-over" device is the heart of Robertson Aerator and no other terminal has it.

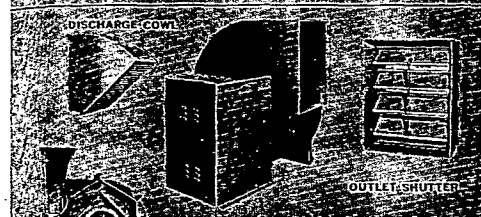
SHELDONS



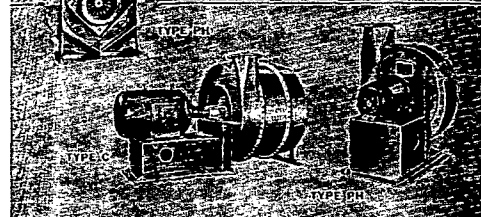
SHELDONS ENGINEERING LIMITED, Galt, Ontario
SHELDONS MANUFACTURING CORP., Bensenville, Ill.



CENTRIFUGAL FANS: Sheldons manufacture a complete range of rugged, reliable and versatile centrifugal fans to cover all ventilation applications. Three different wheel types available. **TYPE A — Airfoil Centrifugal:** Airfoil design of backward inclined blade gives lower losses and highest efficiencies for a real economy in operating costs. Write for Cat. No. 352. **TYPE B — Backward Inclined Centrifugal:** Flat bladed backward inclined wheel gives high efficiencies, with non-overloading horsepower characteristic and low sound levels. Spun wheel shroud and inlet provides smooth flow into wheel. Write for Cat. No. 343. **TYPE F — Forward Curved Centrifugal:** Forward curved blades on this wheel provide large air volumes at much lower fan speeds than Types A or B. Mechanical noise is reduced at low fan speeds. Write for Cat. No. 351.

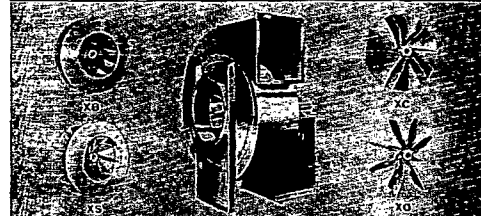


SHELDONS UTILITY FANS: Sheldon's Utility Fans are used primarily on installations requiring moderate and simple ventilation such as schools, toilets, warehouses, kitchens, laundries, hospital operating rooms, laboratories, swimming pools and many other applications. In particular, Utility Fans offer useful ventilation for a special localized process and usually can be located in convenient out-of-the-way places due to their compact size and packaged arrangement. With the addition of a weatherhood Sheldon's Utility Fans are ideally suited for outdoor installation. Available with either a Type F forward curve wheel or with a Type B backwardly inclined wheel. Write for Cat. No. 361.



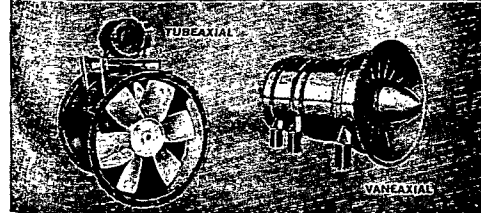
TYPE C BLOWERS: Sheldon's Type C Pressure Blowers provide high pressure, low volume air required by many industrial applications. Multistage fan arrangements cover a wide range of capacities and pressures. Write for Cat. No. 905, and No. 951.

TYPE PH BLOWERS: Sheldon's Type PH Pressure Blowers cover a wider pressure range than the Type C Blower and with larger air volumes. Used extensively for supplying combustion air to furnaces, cupolas, and wet scrubber systems. Write for Cat. No. 951 and No. 950A.



INDUSTRIAL FANS: For handling air and gases and for conveying materials, Sheldon's industrial fan is available in 4 different wheel types. Write for Cat. No. 420.

XB Wheel — Fully shrouded wheel for highest efficiencies. Handles air or gases or air containing fine dusts. **XS Wheel —** Designed to handle granular material which can be passed through the fan. Shrouded wheel for efficiency. **XC Wheel —** Similar to XS above, but is fabricated without a shroud. Used mainly for conveying long shavings, rags, etc. **XO Wheel —** Radial bladed wheel with cast steel spider hub for heavy duty service such as conveying knots, paper trim, silage and other bulky material.



VANEAXIAL FANS: Sheldon's Vaneaxial Fans are designed for slightly higher static pressures than obtainable with the Tubeaxial Fans. Guide vanes inside the cylindrical outer casing feed air flow onto the wheels without shock. Evase sections on outlet provide some recovery of static pressure. Sheldon's Vaneaxial Fans are used extensively for mine ventilation. Write for Cat. No. 675.

TUBEAXIAL FANS: On both commercial and industrial applications, Sheldon's Tubeaxial Fans provide the most economical method of moving air against low or medium pressures. Tubeaxial Fans are ideal for installation into a duct system in a neat, compact and space saving arrangement. Write for Cat. No. 676.