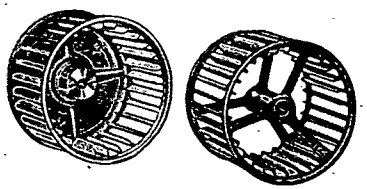
The Torrington Mfg. Co.

50 Franklin Street, **Torrington, Conn.**

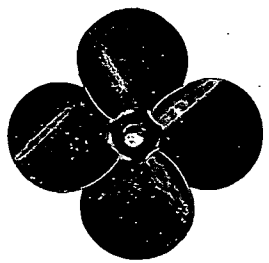
Manufacturers of Blower Wheels and Propellor Type Fan Blades.

AIRISTOCRAT Quiet Propellor Fan Blades AIROTOR Blower Wheels

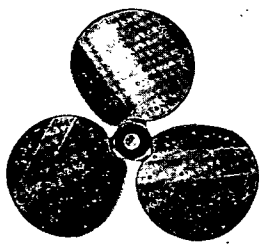


Left—Airotor Blower Wheel—Single Width—Single Inlet Patents 2,231,062; 2,231,063; Des. 126,043; 2,272,695

Right—Airotor Blower Wheel—Double Width—Double Inlet—Spider End Plates



Airistocrat "Standard" Series Pats. 2,072,322 and 2,021,707



3-Blade Airistocrat "Y" Series

Torrington Airotor Blower Wheels are light, sturdy and inexpensive—incorporate new principles of design and construction, which insure rigidity and concentricity. **Single Width—Single Inlet** wheel is of simple four-piece construction. **No rivets or welds are used;** concentric rib serving as backing for blade strip is formed at same time as hub socket, insuring trueness of wheel. Rigid radial ribs prevent deflection by thrust. Three thicknesses of metal in rims make for maximum strength. Excellent for many heating and ventilating uses. Manufactured in both aluminum and steel in 1½ in., 2, 3, 3⅝, 4½, 5, 6, 7½, 9 and 10½ in. diameters. Clockwise or counter-clockwise rotation. Same sizes available in DA type double width, double inlet wheels.

Torrington Airotor Blower Wheel—Double Width—Double Inlet—Spider End Plates. Has blades punched and formed in a single strip, rigidly held by flanged single piece end rings. Hubs are rigidly mounted by peening. Wheels of 3⅝ in., and 10½ in. diameter are available at present. Additional sizes now being developed.

AIRISTOCRAT Quiet Propeller Fan Blades are widely recognized for their all-around excellent performance. The unique, patented construction embodies entirely new principles in the art of fan design—produces a blade unsurpassed for quiet operation, rugged construction and attractive appearance. Every **Airistocrat** unit is carefully built and the blades are hand gauged for correct contour and alignment. Statically balanced, these blades deliver full air volume with a minimum of noise. Aluminum alloy blades and steel spiders are standard except where otherwise noted.

Available in a variety of finishes. Catalog gives detailed dimensions and guaranteed performance curves recorded under **NEMA** and **NAFM** code tests at various speeds for each of the **Airistocrat** models described on page 1071.

New Blower Wheel Catalog charts capacities, gives detailed dimensions, suggests housing dimensions for all above wheels. Valuable "Tips" for designing air impelling units are also included.

"Standard" Series—Has blades mounted on a steel spider. Sturdy, attractive steel or aluminum blades which have withstood extreme laboratory breakdown tests. Sizes 8 in., 10, 12, 14, 16, 18 and 20 in. diameters in a variety of pitches to meet every need.

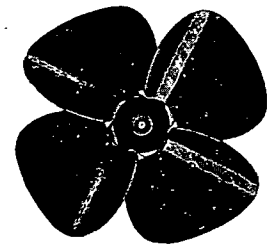
Three Blade "Y" Series—The design of this blade is the result of two years of laboratory experiment to produce a better air circulator blade. At recommended speed these blades produce a high velocity air stream effecting deep penetration with unusual quietness. Sizes 10 in., 12, 14, 16, 18, 20, 24 and 30 in. diameters, steel or aluminum blades.

Pressure "P" Series—Similar in construction to "Standard" Series but with blades especially designed for higher pressures. Sizes 10 in., 12, 14, 16 and 18 in. diameters.

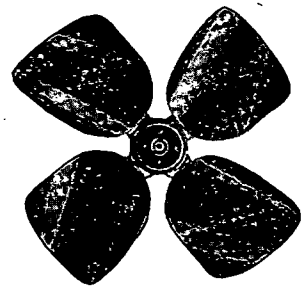
Pressure "U" Series—Four blade models of steel designed for pressure operation. Sizes 20 in., 22, 24, 26, 28 and 30 in. diameters.

AIRISTOCRAT "B" Series Attic Fan Blades represent a complete redesign of the popular "A" Series. Efficiency has been still further improved. The same proportions, proved aerodynamically correct, have been carefully adhered to in all diameters. New larger center disc and heavier spider arms increase strength and a new blade shape adds to the appearance of this carefully designed product. Flexibility of parts allows assembly with either 3, 4 or 5 blades in standard diameters 24, 30, 36, 42 and 48 in. All steel construction. Available in the following finishes: 1. Plain. 2. Colored lacquered blades, black lacquered spider and hub. 3. All one color lacquer.

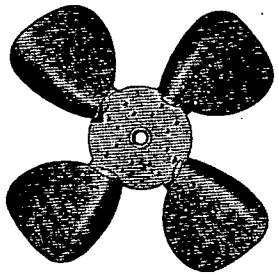
"One-Piece" Series Propellor Fan Blades—Exceptionally rigid models blanked from one piece of metal. Made in both steel and aluminum. Sizes 3 in., 4, 4½, 5, 5½, 6, 6½, 8, 9, 10, 12 and 16 in. diameters, all four blades; also 5½, 7, 8, 9, 10 in. 5-blade. Available in the following finishes: 1. Plain. 2. Lacquered. 3. Nickel or cadmium plated (steel only).



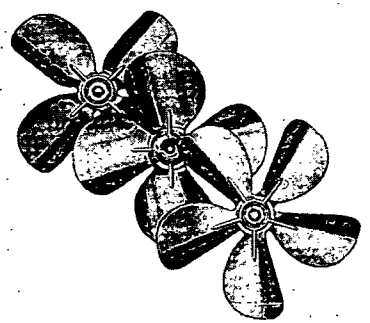
4-Blade Airistocrat Pressure Fan "P" Series



4-Blade Airistocrat Pressure Fan "U" Series



4-Blade Airistocrat Attic Fan "B" Series (also made in 3 and 5 blade models)



4-Blade "One Piece" Airistocrat Fan