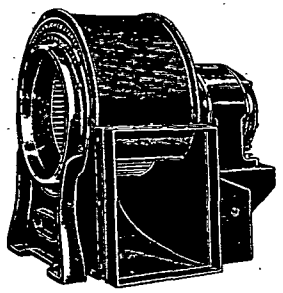
Champion Blower & Forge Co.

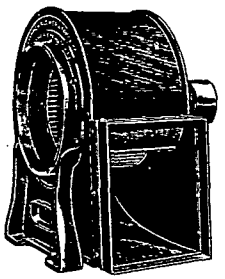
Manufacturers and Engineers

Plant and General Offices: Lancaster, Pa.

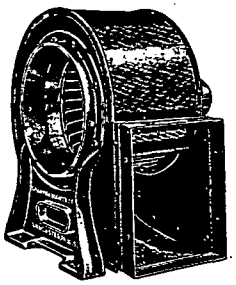
Manufacturers of Blowers, Ventilating Fans, and Exhaust Fans for Air and Material; and Blast Gates.



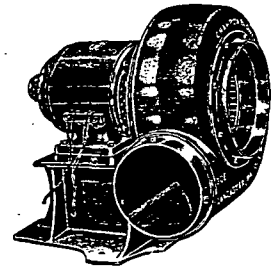
Type "SE" Electric Driven Fans
Sizes—6 to 60 in. Wheels



Type "S" Manivane Belt Driven Fans
Sizes—6 to 60 in. Wheels



Type "BC" Backward Curve Fan
Sizes—12 to 60 in. Wheels

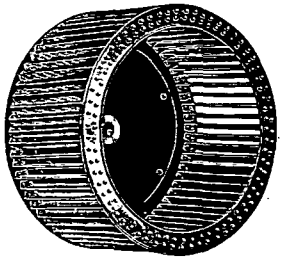


Type "CE" Manivane Fans
For Direct Work and Quiet Operation

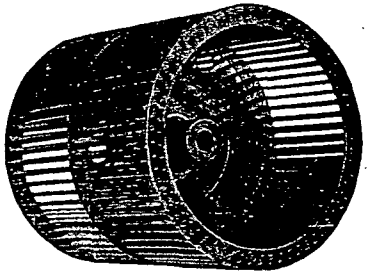
Champion Type "SE" Fans are arranged with direct connected motor mounted on convenient size motor base; adjustable to fit center distance of motor to which fan is directly attached. In all other details constructed like Type "S" fans.

Champion Type "S" Manivane Steel Plate Fans are specially adaptable for supplying air or for exhausting purposes: handling air, smoke gas or fine dust directly through the fan or for heating, cooling, ventilating or drying purposes.

The Backward Curved Blade Wheel on Type "BC" Fans allows a speed which permits the use of direct-connected standard speed Electric Motors.



Single Width, Single Inlet.



Double Width, Double Inlet.

Type "C" Manivane Blast Wheels

Built strong and substantial to withstand air resistance. Free from vibration and noise. Especially adapted for oil burner, stoker, general heating and ventilating purposes: where noise is objectionable.

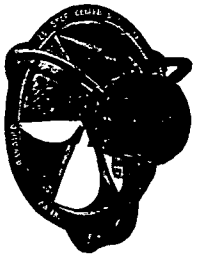
ILG Electric Ventilating Company

Propeller Fans, Blowers, Unit Heaters, Air Conditioning Equipment

2880 North Crawford Avenue, **Chicago, Ill.**

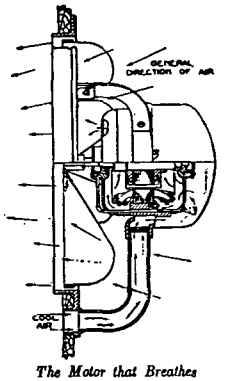
Sales Representatives in all Principal Cities

ILG SELF-COOLED MOTOR PROPELLER FANS



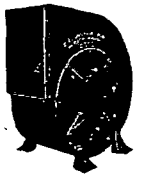
Used everywhere for removal of foul air, fumes, heat, etc. Features include: the patented Ilg self-cooled motor, dynamically balanced, vibration-free, bucket-type wheel, and a strong one-nameplate responsibility. Motor, wheel and frame are all Ilg-built.

The self-cooled motor design combines the low operating cost of the open motor with the protection of the fully enclosed motor. The fan action draws clean air through vent pipe from outside; circulates it through motor (follow the arrows) and exhausts it. The Ilg motor stays clean, cool. Ilg fan sizes range from 12 to 72 in. in A.C. and D.C. Ratings are in accordance with the Standard Test Code of the A.S.H.V.E. and the National Association of Fan Manufacturers.



The Motor that Breathes

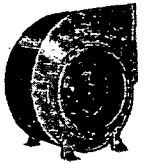
OTHER ILG PRODUCTS



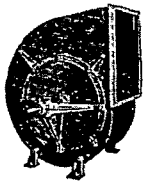
Ilg Universal Multiblade Blowers—Type B Universal Blowers combine compactness, quietness and efficiency. Motor is recessed in side of blower, requiring no separate base. Multiblade wheel is mounted on motor shaft. There is no inlet bearing. Available also for belt drive. Capacities 1750 cfm to 70,000 cfm, single and double width.

Ilg Type "B" Volume Blowers—A new design in small volume, low pressure blowers. Light weight, quiet running. Dynamically balanced multiblade wheel is mounted on motor shaft. Motor and steel housing are supported by cast-iron base. Universal discharge. Available in 11 capacities, 180 cfm to 2100 cfm.

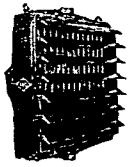




Ilg Type "BC" Universal Blower—Motor load remains constant over unusually large variation in air volume and static pressure. Type "BC" comes in direct connected drive (*left*); also belted drive with ball bearings (*right*). Blower wheel has backward curved blades riveted to side and back plates. Universal discharge. Available in 11 sizes.



Ilg Unit Heaters—Steam and Electric—Copper tube and fin construction and enclosed self-cooled motor. Ilg-built throughout. For steam or hot water. Tested with 500 lb hydrostatic pressure. Available in 67 capacities; also, Ilg electric unit heaters for all electric operation, available in 20 sizes.



Ilg Cooling and Air-Conditioning Units—Self-contained Ilg Spot Koolers in ½ ton cooling capacities with water or air-cooled compressors. Also central unit systems using floor-cabinet or ceiling suspension units with remotely located compressor. For cooling, dehumidifying, and recirculating. Also, for heating and humidifying.

