

Tuttle & Bailey, Inc.

HART & COOLEY

WM. HIGHTON & SONS

New Britain, Conn.

Branch Offices: NEW YORK, N. Y. BOSTON, MASS. PHILADELPHIA, PA. CHICAGO, ILL.

PRODUCTS—Ornamental Grilles, Ventilating and Air Conditioning Registers, Convection Heaters, Cast Bronze Tablets.

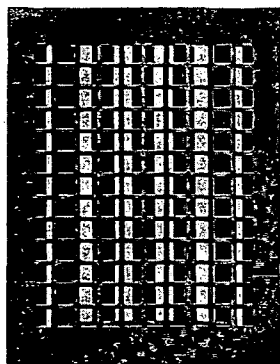
IMPORTANT NOTICE

On April 1, 1933, the Hart & Cooley interests acquired the goodwill of the Tuttle & Bailey Mfg. Co. Hart & Cooley, Tuttle & Bailey, and Wm. Highton & Sons are all combined into one company, known as "Tuttle & Bailey, Inc." Increased facilities and the centralization of efforts will give greater benefits and better service to the Engineering profession as well as to the trade in general.

McKNIGHT REGISTER, No. 1000

McKnight Patent Pending

FOR HEATING, VENTILATING, AND AIR CONDITIONING



No. 1000—Key Operated

The McKnight Register, No. 1000, was designed by a practical Engineer who had in mind the problems involved in laying out and operating a ventilating system. This register gives positive volume control, a vital feature in a register used in air conditioning systems.

Various tests that have been made on this register prove conclusively that the volume of air may be controlled from 100 per cent of normal down to nothing by simply turning a key at the register face, provided a system is designed for equal resistance.

A resistance is set up by this register at the outlet with the result that air delivered to the register face is less subject to changing pressures from the outside. Furthermore, an even distribution of the air flow over the entire register face is obtained without the necessity of using diffusers; this permits an easy and correct determination of the air velocity by means of an anemometer.

Outstanding Advantages of the McKnight Register

1. Positive Control of air volume with minimum adjustment.
2. Ease of balancing system.
3. No need of other dampers or any diffusers.
4. No counter effects in system caused by open windows or doors.
5. Minimum of air leakage through register.
6. Register has the appearance of a grille.
7. Air flow always uniform and at right angles to the register face.
8. No whistling noises perceptible.
9. Positive operation by key control.
10. Minimum resistance to air flow with register full open.
11. More accurately balanced system.
12. System costs no more than if ordinary registers are used.

A List of McKnight Register Installations will be gladly sent to Engineers on request

Uni-flo Grille Corporation

4646 Lawton Avenue

Detroit, Michigan

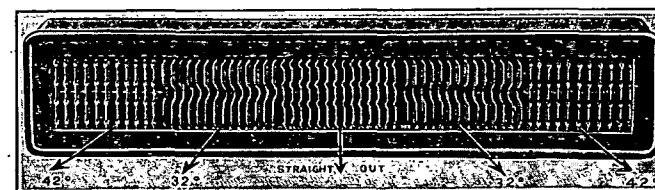


Counselors of Air Distribution

PRODUCTS—Directional Air Distribution Outlets for

Heating, Ventilating, Cooling and Air Conditioning Systems

Literature Upon Request



Uni-flo 5-Way AIR DIRECTIONAL-OUTLET

Construction—

The construction of UNI-FLO Products—are of the fin and bar design.

Performance—

UNI-FLO-Directional Air Flow Outlets direct the air to almost any desired position by using combinations of different type cores. Air may be controlled to flow right, left, fan shape, or in up or down direction. When air flows through UNI-FLO Outlets, it is separated into ribbon-like thin sheets and by the aid of diffusers formed on the edges of the fins, the air is broken up at the face of the outlet in such a way that a rolling action to the air is created causing an asperating effect at the face of the outlet that induces room air to mix with the discharged air thus tempering the air at the face of the outlet before its distribution throughout the room, this is a very desirable feature especially when refrigerated air is distributed as the pre-tempering of the air at the outlet increases the distance of air delivery at lower velocities insuring quiet air discharge.

Air-Noise—

UNI-FLO-Discharge Outlets are exceptionally quiet up to 1400 ft. only registering 35 decibels of noise at this velocity.

Refrigerated Air—

Air that is 15 degrees lower than room temperature will travel approximately 45 feet when discharged through UNI-FLO Outlets at a velocity of 1400 ft. per min.

Air-Control—

Individual controlled dampers are provided either key operated or spring actuated so that all or part of the air flowing from the outlet can be controlled. A very important feature where control of temperatures have-to-be-maintained-regardless-of-the-number-of-people-in-the-room.

Sizes—

In inches from 4 in. to 96 in. long and 4 in. to 48 in. high.