

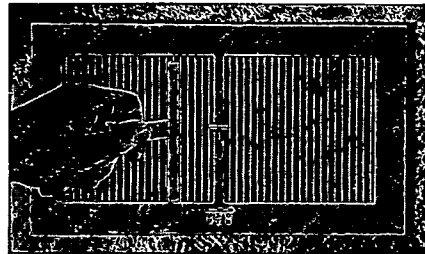
Hart & Cooley Manufacturing Co.

Established 1901

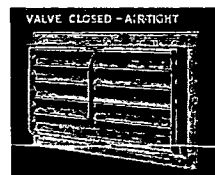
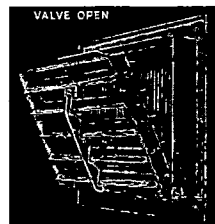
Air Conditioning Registers and Grilles - Warm Air Registers
Damper Regulators - Furnace Regulators - Pulleys - Chain

Holland, Mich.

NO. 75 DESIGN—FLEXIBLE FIN TYPE with TURNING BLADE VALVE to provide DOUBLE DEFLECTION. Also without Valve as Grille or Intake



CONTROL OF AIR FLOW IN TWO PLANES



Instant Adjustment of Air Flow (Up Straight or Down)

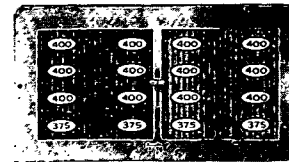
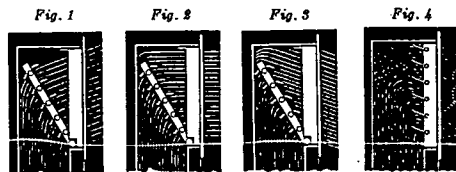
Is obtained by turning the regulator on the register face to the proper setting with a key furnished with each register. When the valve is opened, as shown at the left, the individual valve louvers automatically stop in position to provide the proper air flow—Up (Fig. 1) for cooling systems to avoid drafts; Straight (Fig. 2) for ventilating systems; Down (Fig. 3) for heating systems to prevent stratification. When the valve is closed, as shown at the left below, it completely stops the flow of air.

Air Flow Can be Quickly Adjusted Sideways

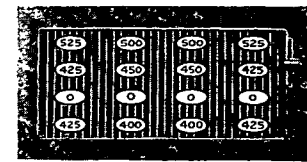
No. 75 Design has a flexible fin-type face. Each fin may be twisted individually with a wrench furnished, to provide any desired sideway deflection of air flow.

Greatly Reduced Turbulence and Resistance

Figs. 1, 2, and 3 show the air flow with No. 75 Design; Fig. 4, with the conventional register. Compare the turbulence in the stackhead of the latter with the smooth flow obtained with No. 75 Design.



Velocities with No. 75 Design



Velocities with Conventional Register

EVEN DISTRIBUTION OF AIR OVER ENTIRE FACE

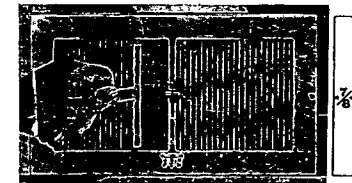
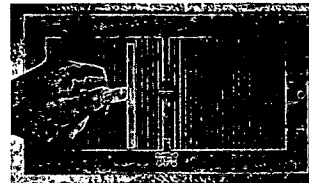
The turning blade valve distributes the air evenly with a uniform velocity over the entire face, as shown in Figs. 1, 2, and 3 on the preceding page. Note how the air rushes through the upper part of the face with a conventional register, as shown in Fig. 4. Since the entire face of No. 75 Design register is utilized for discharge of air, smaller and in some cases fewer registers can be used without causing excessive velocities.

Prevention of Streaked Ceilings—With either UP, STRAIGHT, OR DOWN deflections the air does not strike the ceiling immediately in front of the register; streaked ceilings are thus avoided.

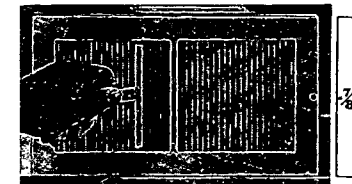
Excellent Concealment of Duct—The depth and close spacing of the vertical bars, combined with the valve, provide almost complete concealment of the duct, adding considerably to the pleasing appearance of the register face.

Special Settings—No. 75 Design functions equally well when located at the end of a horizontal duct or by installing it upside down, when the air is delivered to it from above.

AVAILABLE IN FOUR TYPES

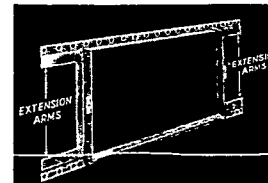


With Turning Blade Valve—No. 751 Register (Left) has Sponge Rubber Gasket and $\frac{3}{8}$ in. turndown. No. 754 Register (Right) is similar except has $\frac{1}{8}$ in. projection and is furnished without gasket.



Without Valve—No. 750 Grille (Left) has $\frac{3}{8}$ in. turndown. No. 757 Intake (Right) has $\frac{1}{8}$ in. projection.

FOUR TYPES OF INSTALLATION FRAMES



No. 75 Design items can be used with or without installation frames. No. 3 Sidewall Stud Frame (illustrated), fastens directly to stud, forming a solid, streak-proof foundation for register. No. 8 Frame is similar for baseboard use. No. 5 Baseboard Stack Frame provides inexpensive, streak-proof installation. No. 2 Band Iron Frame provides for connecting register to stackhead.

CATALOG 49 showing the complete H & C line, available upon request.