

Hart & Cooley Manufacturing Co.

Established 1901

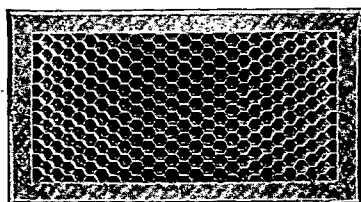
Air Conditioning Registers and Grilles - Warm Air Registers
Damper Regulators - Furnace Regulators - Pulleys - Chain

Engineering Office and Factory

Holland, Mich.

Chicago Office: 61 West Kinzie Street

Seven Complete Lines of Air Conditioning Registers and Grilles in Five Distinct Price Groups.



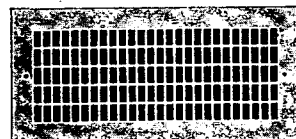
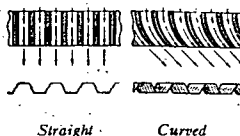
No. 90 DESIGN
Dual Control Directional Flow

THE ACE OF AIR CONDITIONING GRILLES

No. 90 Design—Made up of a number of thin strips which are shaped into a series of grooves—straight or curved—as shown. The assembled strips form an exceptionally attractive grille with openings of $\frac{1}{2}$ in. and a depth of 1 in. A wide range of deflections is available. The tubular shape of the openings insures positive control of air flow with all deflections. Price Group E.

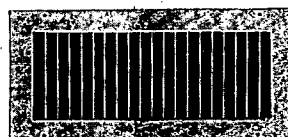
CHARACTERISTICS OF No. 90 DESIGN

- 1. Dual Control of Air Flow**—The air is controlled in two planes; horizontally as well as sideways. Thus, on high sidewall installations, the air is prevented from striking the ceiling, thus avoiding discoloration and loss of directional flow.
- 2. Resistance**—Curved shape of tubes eliminates turbulence; hence, resistance is remarkably low.
- 3. Noise**—The absence of turbulence likewise eliminates the greatest cause of noise in the grille. See H & C Catalog No. 37AC for Acoustical Ratings.
- 4. Concealment of Duct**—The 1 in. depth of the grille, plus the tubular shape of the openings, results in exceptional concealment of the duct.
- 5. Free Area**—The free area of No. 90 Grille is exceptionally large. See Page 39 of H & C Catalog No. 37AC, or Page 74 of Catalog No. 37 for Actual Free Areas.
- 6. Types of Directional Flow**—Practically any deflections or combination of deflections are available. See Page 9 of H & C Catalog No. 37AC, or Page 65 of Catalog No. 37 for standard types of deflections.

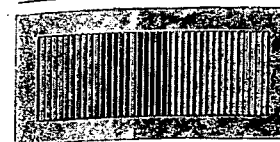


No. 68 DESIGN
Perforated Plain Lattice

No. 72 Design—Combines rigid bar type construction, neat appearance, maximum free area with low cost. Depth of bars is $\frac{3}{8}$ in. Price Group A.

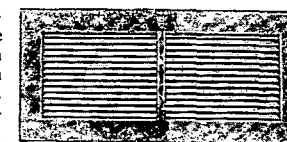


No. 72 DESIGN
Non-Adjustable Vertical Bar Open Mesh



No. 84 DESIGN
Adjustable Vertical Bar Close Mesh

Nos. 84 and 85 Designs—Adjustable deflection grilles with bars $\frac{3}{8}$ in. in depth and spaced $\frac{3}{8}$ in. apart—bars are connected in 2 in. sections, allowing sectional adjustment. The unique construction assures



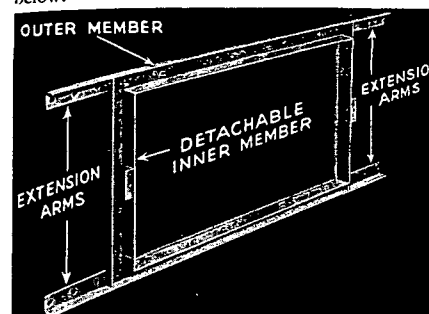
No. 85 DESIGN
Adjustable Horizontal Bar Close Mesh

positive directional control of air flow with quick adjustability to any combination of deflections desired. Depth of bars and close spacing combine attractive appearance and concealment of the duct. Price group D.

Nos. 77 and 78 Designs—Fixed air flow. Similar in appearance to Nos. 84 and 85 Designs. Price Group B.

REGISTER AND GRILLE FRAMES

Any of the grille designs shown are available with any of the installation frames listed below.



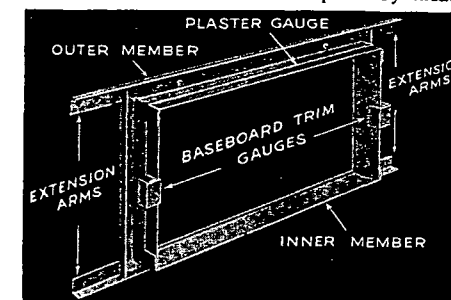
No. 3 SIDEWALL STUD FRAME (Left)

Installations when made as recommended with this frame are permanently streakproof. The frame provides a positive plaster lock, preventing the plaster from pulling away from the frame. The register face overlaps the frame $\frac{1}{4}$ in. on all sides. The *Sponge Rubber Gasket* which is furnished attached to the register face, forms a seal between the wall and the register face, preventing air leakage at this point. The frame has rigid supporting arms of sufficient length on all sizes to fasten directly to the studs. The

stackhead is bent over the outer member of the frame and held in place by means of the inner member.

No. 8 BASEBOARD STUD FRAME (Right)

Extension arms fasten directly to studs. Stackhead is attached to frame either by forming over inner member or by clamping it between the outer and inner members. May be used with any H & C one-piece Baseboard Register, all of which are furnished with *Sponge Rubber Gasket* as standard to prevent streaking. Frame insures a solid foundation for register and protects stackhead. Inexpensive, easy to install.



Schedule of Class Numbers for Use in Specifying H&C Registers, Grilles, and Intakes

Type of Frame	Design No.						
	68	72	77	78	84	85	90
Grille only, or Return Air Intake, Flat.....	680	720	770	780	840	850	900
Register without installation frame.....	681	721	771	781	841	851	901
Sidewall Register with No. 2 Band Iron Frame.....	682	722	772	782	842	852	902
Sidewall Register with No. 3 Stud Frame.....	683	723	773	783	843	853	903
Baseboard Register with Integral Frame.....	684	724	774	784	844	854	904
Baseboard Register with No. 5 Stack Frame.....	685	725	775	785	845	855	905
Intake with $\frac{1}{2}$ -in. projection.....	687	727	777	787	847	857	907
Baseboard Register with No. 8 Stud Frame.....	688	728	778	788	848	858	908

Complete Separate Catalogs on Air Conditioning Registers and Grilles or Warm Air Registers Available on Request.