

Hendrick Manufacturing Company

48 Dundaff Street, Carbondale, Pa.

Sales offices in principal cities—consult telephone directories

Hendrick Bulators; Hendrick Perforated Metal Grilles; Hendrick Mitco
Open Steel Flooring, Armorgrids, Shur-Site Treads

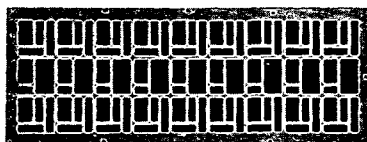
HENDRICK BULATOR*

Hendrick Bulator* is a practicable combination of an ornamental grille and a deflecting vane grille.

Properly placed behind the ornamental grille, the deflecting vanes of the Bulator give the air throw and spread specified by the engineer. The vanes are adjustable so that the air flow can be deflected to right or left, up or down, or in a combination of directions.

Although mounted just behind the ornamental metal grille, the deflecting grille is not noticeable, as will be seen from the illustration, made from an unretouched photograph.

Tests made at the Case Institute of Technology, Cleveland, under the direction of Professor G. L. Tuve, show that correctly designed ornamental metal grilles, properly mounted in front of the



Photograph taken with deflecting vanes less than an inch behind grille, shows that vanes are not noticeable.



Vertical deflecting vanes, showing how the vanes may be set to produce an desired air stream pattern.

deflecting vanes, have little effect on the air stream pattern and air throw.

Using a 24 in. wide by 8 in. high combination of control louvers, vertical deflecting vanes, set 45° each way, and a metal grille with 65 per cent open area, the tests showed the following resistance pressure in inches of water:

Air flow volume cubic feet per minute					
400	500	800	1000	1200	

Total throw of air stream in feet					
5.5	8.2	10.9	13.6	16.4	

Resistance pressure with grille attached					
0.03"	0.08"	0.13"	0.21"	0.29"	

Resistance pressure with grille removed					
0.02"	0.05"	0.09"	0.14"	0.20"	

The report states: "In the series of tests, we found that at a given air volume the presence or absence of the 'Mosaic' (pattern) grille made very little difference on either the air stream pattern or the throw, but the resistance was changed by the presence of the grille, as shown by the table."

Thus the Bulator enables the architect to combine with the air-conditioning system of a building, ornamental grilles which harmonize with the decorative scheme without appreciably affecting the air flow.

Hendrick's engineering department will be glad to cooperate with architects and engineers in the selection and installation of Bulator Grilles, incorporating any type of control desired.

*Beauty + Ventilator

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HENDRICK PERFORATED METAL GRILLES

Hendrick decorative grilles are furnished in over a hundred patterns, and in a wide variety of overall dimensions, bar sizes, and number and size of perforations.

Many exclusive Hendrick designs, originally produced to meet an architect's specifications for some particular project, are now available as standard numbers, and facilities for making special designs to specifications make the Hendrick service even more complete. The wide range of patterns permits the choice of a grille that will harmonize with any style of architectural design or period construction.

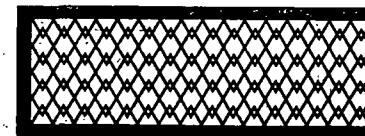


Argline-63 per cent Open Area

Grilles are fabricated in heavy-gauge aluminum, bronze, copper, Monel, steel, stainless steel, and other commercially rolled metals. With ample open areas and accurate sizes, Hendrick grilles are characterized by clean-cut perforations, fine finish, and freedom from burrs and other imperfections.

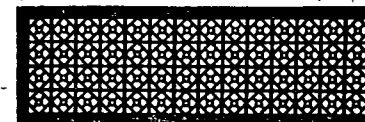


M-No. 2-57 per cent Open Area



M-No. 9-61 per cent Open Area

They are easy to install, and always lie flat because of a special flattening operation in their manufacture.



Argline-60 per cent Open Area

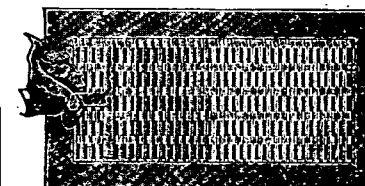


La Crosse-55 per cent Open Area

AIR CONDITIONING GRILLES AND REGISTERS

Hendrick air conditioning grilles and registers for directed air flow are made in various meshes, the standard having $\frac{3}{8}$ in. opening between face bars. All types are furnished with either horizontal or vertical directional bars.

The standard mesh can either be furnished with grille bars permanently set at the factory for straight or directional air flow, or furnished so that the grille bars may be individually adjusted on the job to direct air flow to any desired degree.



Front View

Rear View

