Terminology

CALENDERING - A rolling operation which flattens the knuckles of wire cloth, giving it a smoother surface.

CRIMP - Undulations in warp and fill wires, which hold each other in place.

FILL WIRE - AKA shute wire, wire running across the width of the cloth.

FILTER CLOTH - Cloth used for flattening or straining (primarily plain and twilled dutch wire cloth and certain specifications of square mesh and off-count standard wire cloth).

HARDWARE CLOTH - Plain weave square mesh cloth of relatively light wire galvanized after weaving (usually between 2 to 8 openings per lineal inch).

MARKET GRADE - Applies to wire cloth specifications, most commonly used for general work. Market grade cloth is made of one size wire for each size closed mesh.

MESH - Number of openings per lineal inch, measured from center of wire to center of wire.

MICRON - 1/1000 millimeter, 0.00003937 inch. The unit of measure for particle retention of filter media.

OIL TEMPERED WIRE - High carbon steel wire that is heat resistant to produce good strength and abrasion resistance.

OPENING - Dimension between parallel adjacent wires.

RECTANGULAR MESH - Wire cloth with different warp and fill wire mesh counts, which results in rectangular openings. The most common have a higher warp mesh than filter mesh. Advantages are increased open area, and reduced cost.

SELVAGE - The finished edges of wire cloth running the length of the roll, which are produced by the weaving operation.

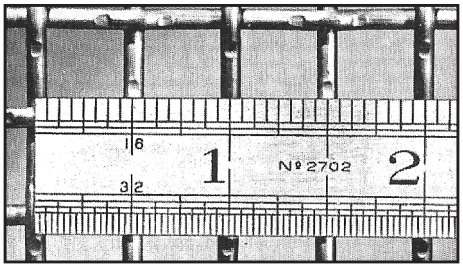
SPACE CLOTH - Wire cloth specified by the opening size, rather than by the mesh count.

SQUARE MESH - Mesh with equal spacing of warp and shute to give square openings.

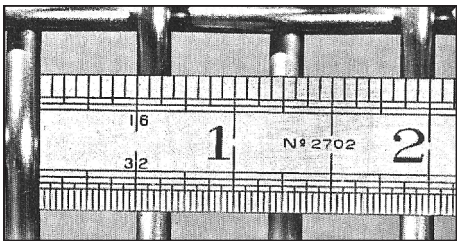
WARP WIRE - Foundation wires running parallel to the length of the cloth.

WEAVES - Pattern in which wires are interwoven.

WIRE DIAMETER OR GAUGE - Diameter of wire used in weaving cloth.



2 MESH WIRE CLOTH
(count from center to center of wires)



1/2 INCH OPENING WIRE CLOTH
(clear space between wires)

PLAIN WEAVE
Wires are crimped in a zig-zag fashion, with wires intersecting at every available crimp or pocket.

INTERCRIMP
Wires are crimped in a zig-zag fashion, with intersections at every 3rd, 5th or 7th, etc., crimp or pocket.

LOCK CRIMP
Distinct crimp or pocket at wire intersection, with straight connecting sections of wire.

FLAT TOP
Top surface of wires all lie in same plane. Irregular crimped surface on underside.

Approx. Diameter Inches	Gauge & Wire No.	Washburn & Moen Wire Gauge	Approx. Diameter Decimal
7/16			.438
3/8			.375
5/16	0		.313
1/4	3		.250
7/32	4		.225
13/64	5		.207
3/16	6		.192
11/64	7		.177
5/32	8		.162
	9		.148
9/64	10		.135
1/8	11		.120
7/64	12		.105
3/32	13		.092
5/64	14		.080
	15		.072
1/16	16		.063
	17		.054
3/64	18		.047
	19		.041
	20		.035