

*Phone 8-1023*

**CANADA WIRE  
AND  
IRON GOODS  
CO.**



HAMILTON  
CANADA



William Holmes.

Alexander Donald.



Established 1891.

Re-Organized 1907.

## Catalogue No. 3

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# Canada Wire and Iron Goods Co.

MANUFACTURERS OF

## Wire Cloth and Perforated Sheet Metal

Ornamental Wire and Iron Work, Special Iron, Brass and Wire Work and Wire Goods of Every Description. Elevator Enclosures, Wickets, Window Guards, Brass Tube Rails, Grilles, Gates, Clothes Lockers, Jail Cells, Etc.

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OUR MOTTO: "IF ITS MADE OF WIRE WE MAKE IT."

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OFFICE AND FACTORY:

182-186 KING WILLIAM STREET  
HAMILTON, CANADA.

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# Terms and Conditions

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Customers are requested to make their shipping and forwarding instructions as explicit as possible. Choice of route, if any, should be expressed.

All orders, and any variation made subsequently, are accepted subject to confirmation by us.

Delivery contracts are made subject to strikes, fires, accidents or other causes beyond our control.

Any defects or discrepancies must be notified within five days from receipt of goods. All goods returned and accepted by us as defective will be replaced if required. In no case shall we be liable for workmanship or consequential damages.

## TERMS—

Ninety days net, 2 per cent. for cash in 30 days, unless otherwise by special quotation.

## PRICES—

Subject to change without notice.

## ACCOUNTS—

Accounts are subject to sight draft during month following date of purchase. Due notice will be given.

All orders taken and contracts made by salesmen and selling agents are subject to approval and acceptance of head office.

No goods will be taken back that have been made to order, cut from the roll, or which in any way differ from stock goods in original package, except by special arrangement.

Under no circumstances will we accept back goods supplied as ordered, except by special arrangement.

# INTRODUCTORY

Since issuing our "Initial General Catalogue" in 1908 we have been compelled to enlarge our factory in order to take care of our ever increasing business and are at the present time erecting a second large addition which will allow us to greatly increase our output.

To our many lines we have added a Perforating Department, and are now equipped to make any size perforation in any kind of sheet metal required.

As in our previous catalogue we have endeavored to set forth a complete list of the various grades of wire cloth, and we trust our explanatory notes, relating to the uses which the many grades of cloth are adapted for, will prove of some benefit to prospective buyers.

We would specially call your attention to the change in our firm name from Canada Wire Goods Manufacturing Co. to Canada Wire and Iron Goods Co. There has been no change in the management of the Company, the change being simply to better designate our lines of manufacture.

Our prison work and general ornamental iron work departments are now occupying considerable of our floor space. We are particularly well equipped in these departments.

We take this opportunity of thanking our friends and the trade in general for their patience and support in the past and solicit a continuance of the same.

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## OF INTEREST

Metallic shreds, known in these modern times as "wire" have been discovered which date as far distant as 1700 B. C. The sacerdotal robe of Aaron was decorated with "wire of gold," and the antiquarian visiting Kensington Museum in London may feast his eyes upon wire made in Ninevah 800 years B. C. All these metallic shreds, or wires, during the 17 centuries before the coming of Christ, and for an added 13½ centuries thereafter, were fashioned by the skilled-artisan under man's first efficient tool—a hammer. These facts and recorded dates show that from 1700 B. C. to 1350 A. D., a period of 3050 years, wire was made by processes so crude and expensive that production was limited to the precious metals.

The first mention of wire in sacred history is as follows: "And they beat the gold into thin plates and cut it into wires to work in the blue and in the purple, and in the scarlet and in the fine linen with cunning work."—Exod. 39:3.

Wire drawing by the Egyptians was first by the lost ductile metals, such as silver and gold being used before brass or iron, the wire was originally employed for ornamental purposes.

Not until Rudolph of Nuremberg, Germany, skilled in metal, conceived the idea of drawing metal through a perforated plate of steel—now known as a "drawplate" or "die," and used such dies successfully in practice—was any forward step taken toward the present art of drawing wires, and this was the first step. His invention so cheapened the production that iron, and later steel in the form of wire, was added to the commodities man finds so necessary and useful in his civilization. A casual visitor to-day to any wire mill in the world will find the draw plate of Rudolph of Germany exclusively in use. Five hundred and fifty-five years—five and a half centuries—have rolled on since the days of Rudolph.

Shakespeare takes cognizance of wire: "And thou shalt be whipped with wire."

# Smooth Steel Wire

DRAWN TO BRITISH IMPERIAL GAUGE.

## List of Extras Adopted January 10th, 1902.

Number	Per 100 lbs.	Number	Per 100 lbs.
0 to 9.. . . . .	Base	13 .. . . . .	\$0 30
10.. . . . .	\$0 06	14 .. . . . .	0 40
11.. . . . .	0 12	15 .. . . . .	0 55
12.. . . . .	0 20	16 .. . . . .	0 70

# Fine Steel Wire

DRAWN TO WASHBURN & MOEN MFG. CO.'S GAUGE.

Number	Per 100 lbs.	Number	Per 100 lbs.
17 .. . . . .	\$5 00	26 .. . . . .	\$9 50
18 .. . . . .	5 50	27 .. . . . .	10 00
19 .. . . . .	6 00	28 .. . . . .	11 00
20 .. . . . .	6 65	29 .. . . . .	12 00
21 .. . . . .	7 00	30 .. . . . .	13 00
22 .. . . . .	7 30	31 .. . . . .	14 00
23 .. . . . .	7 65	32 .. . . . .	15 00
24 .. . . . .	8 00	33 .. . . . .	16 00
25 .. . . . .	9 00	34 .. . . . .	17 00

## Extras Net.

	Per 100 lbs.		Per 100 lbs.
Tinned Wire, No. 0-25.. . . . .	\$2 00	In 50 and 100 lb. bundles.. . . . .	\$0 10
“ “ 26-31.. . . . .	4 00	In 25 lb. bundles.. . . . .	0 15
“ “ 32-34.. . . . .	6 00	In 5 and 10 lb. bundles .. . . . .	0 25
Coppered Wire, “ 0-16.. . . . .	0 60	In 1 lb. hanks .. . . . .	0 50
“ “ 17-34.. . . . .	0 75	In ½ lb. hanks .. . . . .	0 75
Special Hay Bailing Wire.. . . . .	0 30	In ¼ lb. hanks .. . . . .	1 00
Spring Wire .. . . . .	1 25	In casks or cases .. . . . .	0 15
Best Steel Wire .. . . . .	0 75	Bagging or papering .. . . . .	0 10
Bright Soft Drawn .. . . . .	0 15	Oiling .. . . . .	0 10

## Cut to Special Exact Length.

Size of Wire, Gauge No.	Over 20 in. Long per 100 lbs.	10 to 20 in. Long per 100 lbs.	5 to 10 in. Long per 100 lbs.
0 to 5 .. . . . .	\$0 50	\$0 75	\$1 25
6 to 9 .. . . . .	0 75	1 25	2 00
10 and 11 .. . . . .	1 00	1 75	2 50
12 to 14 .. . . . .	1 50	2 25	3 50
15 and 16 .. . . . .	2 00	3 00	4 50

For weights, breaking strains, etc., see page 9.

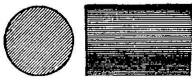

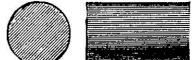



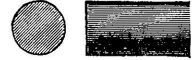




















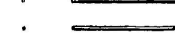
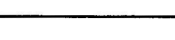






# Table of Sizes—Iron and Steel Wire

## British Imperial Standard Gauge

These cuts represent the Full Size of Iron and Steel Wire, and will enable those unacquainted with the different sizes of wire to determine what sizes they wish to order.

The gauge used in our factory for iron and steel wire and wire cloth is the British Imperial, and for brass and copper wire the Old English gauge is used.

No.	Full Size of the Wire	Decimals of Inch	Approx. Fractions of Inch	No.	Full Size of the Wire	Decimals of Inch	Approx. Fractions of Inch
000		.372	3/8	10		.128	1/8
00		.348	11/32	11		.116	7/64
0		.324	21/64	12		.104	1/10
1		.300	19/64	13		.092	3/32
2		.276	9/32	14		.080	5/64
3		.252	1/4	15		.072	
4		.232	15/64	16		.064	1/16
5		.212	7/32	17		.056	
6		.192	3/16	18		.048	3/64
7		.176	11/64	19		.040	
8		.160	5/32	20		.036	
9		.144	9/64	21		.032	1/32
				22		.028	
				23		.024	
				24		.022	
				25		.020	
				26		.018	
				27		.0164	1/64
				28		.0148	
				29		.0136	
				30		.0124	

## Various Wire Gauges in Use in Canada and United States

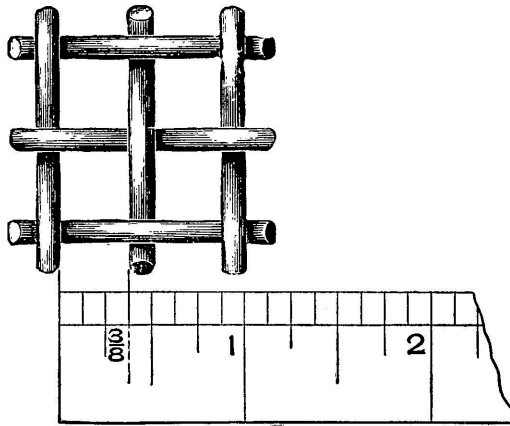
No.	British Imperial Standard Gauge	Birmingham Gauge (Stubbs')	American or Browne & Sharpe's Gauge	Washburn & Moen Mfg. Co.'s Gauge	Trenton Iron Co.'s Gauge	Old English Gauge
0000	.400	.454	.46	.394	.400	.454
000	.372	.425	.40964	.363	.360	.425
00	.348	.380	.3648	.331	.330	.380
0	.324	.340	.32486	.307	.305	.340
1	.300	.300	.2893	.283	.285	.300
2	.276	.284	.25763	.263	.265	.284
3	.252	.279	.22942	.244	.245	.259
4	.232	.238	.20431	.225	.225	.238
5	.212	.220	.18194	.207	.205	.220
6	.192	.203	.16202	.192	.190	.203
7	.176	.180	.14428	.177	.175	.180
8	.160	.165	.12849	.162	.160	.165
9	.144	.148	.11443	.148	.145	.148
10	.128	.134	.10189	.135	.130	.134
11	.116	.120	.090742	.120	.1175	.120
12	.104	.109	.080808	.106	.105	.109
13	.092	.095	.071961	.092	.0925	.095
14	.080	.083	.064084	.080	.080	.083
15	.072	.072	.057068	.072	.070	.072
16	.064	.065	.05082	.063	.061	.065
17	.056	.058	.045257	.054	.0525	.058
18	.048	.049	.040303	.048	.045	.049
19	.040	.042	.03589	.041	.040	.040
20	.036	.035	.031961	.035	.035	.035
21	.032	.032	.028462	.032	.031	.0315
22	.028	.028	.025347	.0286	.028	.0295
23	.024	.025	.022571	.0258	.025	.027
24	.022	.022	.0201	.0225	.0225	.025
25	.020	.020	.0179	.020	.020	.023
26	.018	.018	.01594	.018	.018	.0206
27	.0164	.016	.014195	.017	.017	.01875
28	.0149	.014	.012641	.016	.016	.0165
29	.0136	.013	.011257	.015	.015	.0155
30	.0124	.012	.010025	.014	.014	.01375
31	.0116	.010	.008928	.0132	.013	.01225
32	.0108	.009	.00795	.0128	.012	.01125
33	.0100	.008	.00708	.0118	.011	.01025
34	.0092	.007	.006304	.0104	.010	.0095
35	.0084	.005	.005614	.0095	.0095	.009
36	.0076	.004	.005	.009	.009	.0075
37	.0068			.0085	.0085	.0065
38	.0060			.008	.008	.00575
39	.0052			.0075	.0075	.005
40	.0048			.007	.007	.0045

## Table of the Sizes, Weight, Length and Strength of Steel Wire

Size on Wire Gauge	Diameter in Inches	Sectional Area in Square Inches	Weight of		Length of 100 lbs.	Breaking Strains		Size on Wire Gauge
			100 Yards	Mile		Annealed	Bright	
			Lbs.	Lbs	Yds.	Lbs.	Lbs.	
000	.372	.1087	107.1	1885	94	5796	8694	000
00	.348	.0951	93.7	1649	107	5072	7608	00
0	.324	.0824	81.2	1429	123	4397	6595	0
1	.300	.0707	69.6	1225	144	3770	5655	1
2	.276	.0598	58.9	1037	170	3190	4785	2
3	.252	.0499	49.1	864	203	2660	3990	3
4	.232	.0423	41.6	732	240	2254	3381	4
5	.212	.0353	34.8	612	287	1883	2824	5
6	.192	.0290	28.5	502	351	1860	2476	6
7	.176	.0243	24.	422	417	1600	2136	7
8	.160	.0201	19.8	348	505	1360	1813	8
9	.144	.0163	16.	282	625	1130	1507	9
10	.128	.0129	12.7	223	787	925	1233	10
11	.116	.0106	10.4	183	962	758	1010	11
12	.104	.0085	8.4	148	1190	607	810	12
13	.092	.0066	6.5	114	1539	473	631	13
14	.080	.0050	5.	88	2000	356	474	14
15	.072	.0041	4.	70	2500	280	372	15
16	.064	.0032	3.2	56	3125	220	292	16
17	.056	.0025	2.4	42	4167	165	122	17
18	.048	.0018	1.8	32	5555	127	169	18
19	.040	.0013	1.2	21	8333	103	137	19
20	.036	.0010	1.	18	10000	80	107	20
21	.031	.00075	.76	13.44	13100			21
22	.028	.00061	.62	10.97	16041			22
23	.025	.00049	.50	8.75	20128			23
24	.0225	.000397	.40	7.08	24857			24
25	.020	.000314	.32	5.59	31446			25
26	.018	.000254	.26	4.53	38822			26
27	.017	.000227	.23	4.04	43522			27
28	.016	.000201	.21	3.58	49228			28
29	.015	.000176	.18	3.15	55899			29
30	.014	.000153	.156	2.74	64177			30
31	.013	.000132	.14	2.36	74422			31
32	.012	.000113	.12	2.01	87353			32
33	.011	.000095	.10	1.69	103970			33
34	.010	.000078	.080	1.40	122785			34
35	.0095	.000070	.072	1.26	139417			35
36	.009	.000063	.064	1.13	155257			36
37	.0085							
38	.008							
39	.0075							
40	.007							

## Suggestions in Ordering

### “X. L.” Double Crimped Heavy Hard Steel Wire Screening.



Illustrating  $\frac{3}{8}$  inch space or opening No. 10 (.128) gauge.

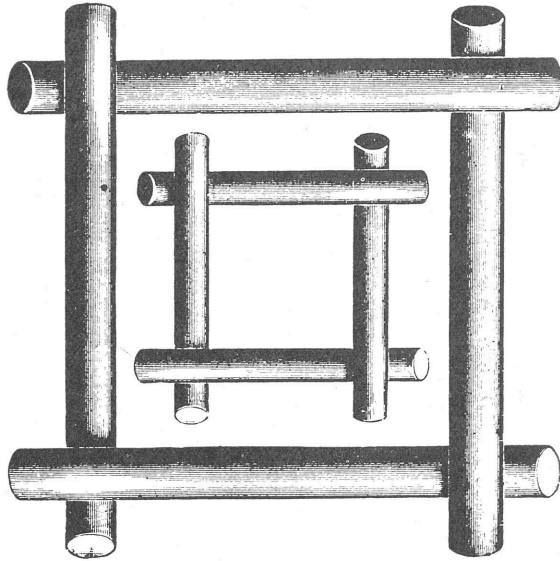
When ordering Screenings always give the size of the openings between the wires, or what is technically known as “SPACE.” Give the space, gauge, size of wire and its equivalent decimal, thus : “ $\frac{3}{8}$  inch space No. 10 (.128) wire;” this denotes that the wires are  $\frac{3}{8}$  inch apart in the clear, and that the gauge of the wire is No. 10.

**MATERIAL.**—State if steel, iron, galvanized, brass, copper or any other kind required.

The gauge used in Canada is the British Imperial Standard, but by using the decimal size as well as the gauge size, mistakes, owing to the use of different gauges, will be avoided.

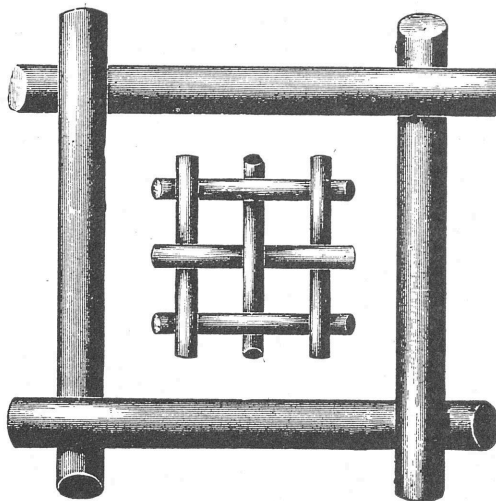
Wire Screening made to order or cut from the roll will in no case be taken back unless by special arrangement.

The following cuts are drawn to gauge and show exact size of space and wire. Our Coal Screen Cloth is made of hard drawn steel wire and woven with the wires double crimped. This method prevents the wires slipping and forming irregular spaces. Our "X. L." screening is furnished in any desired size of piece, and without selvedge.



$\frac{3}{4}$  inch space No. 7 wire, used for coarse stove coal.

$1\frac{3}{4}$  inch space No. 3 wire, used for taking No. 4 out of stove coal.

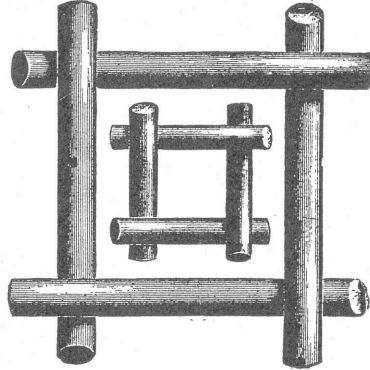


$\frac{1}{4}$  inch space No. 13 wire, used for cleaning pea coal.

$1\frac{1}{2}$  inch space No. 3 wire, used for taking nut out of stove or egg coal.

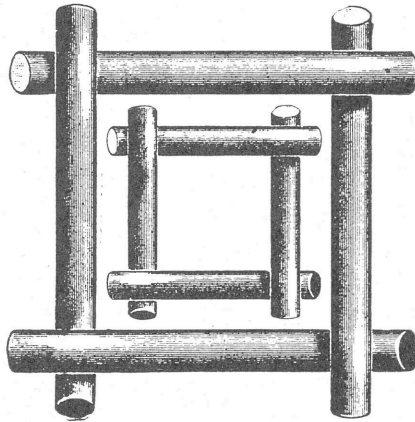
Refer to page 16 for List Price of Standard Coal Screen Grade.

### "X. L." Double Crimped Hard Steel Wire Screening.



$\frac{3}{8}$  inch space No. 10 wire, used for cleaning nut coal.

1 inch space No. 5 wire, used for taking fine coal out of stove coal.



$\frac{5}{8}$  inch space No. 8 wire, used for stove coal.

$1\frac{1}{4}$  inch space No. 4 Wire, used for taking nut out of stove coal.

### Meshes Required for Screening Various Grades of Coal.

$\frac{3}{16}$ inch space	.....	For Brickmakers' Dust.
$\frac{1}{4}$ " "	.....	Cleaning Pea Coal.
$\frac{3}{8}$ " "	.....	Cleaning Nut Coal.
$\frac{1}{2}$ " "	.....	Cleaning Nut or No. 4 Coal.
$\frac{5}{8}$ " "	.....	Cleaning Stove Coal.
$\frac{3}{4}$ " "	.....	Cleaning Coarse Stove and Small Egg Coal.
1 " "	.....	Taking Fine Coal out of Stove Coal.
$1\frac{1}{4}$ " "	.....	Taking Nut out of Stove Coal.
$1\frac{1}{2}$ " "	.....	Taking Nut out of Stove or Egg Coal.
$1\frac{3}{4}$ " "	.....	Taking Stove out of Egg Coal.
2, $2\frac{1}{4}$ , $2\frac{1}{2}$ inch space,		Furnace and Large Egg. also for Coke. Cinders and Soft Coal.

**"X. L." Double Crimped Hard Steel Wire Screenings.**

FOR COAL, ORE AND GRAVEL.

Manufactured by

**CANADA WIRE AND IRON GOODS CO., HAMILTON, CANADA.**

Note—Space means the distance between the wires.

Space in inches	Size on Wire Gauge	Weight in lbs. per square foot (approximate.)	Price per square foot.
2½	5-0	4.35	\$0 90
2½	4-0	3.75	80
2½	3-0	3.25	75
2½	2-0	2.90	60
2½	0	2.55	55
2½	1	2.20	50
2½	2	1.85	45
2½	3	1.55	40
2½	4	1.35	36
2½	5	1.15	32
2½	6	.95	28
2½	7	.80	24
2½	8	.65	20
2¼	4-0	4.10	90
2¼	3-0	3.60	80
2¼	2-0	3.20	70
2¼	0	2.80	60
2¼	1	2.40	55
2¼	2	2.05	50
2¼	3	1.75	45
2¼	4	1.45	40
2¼	5	1.25	36
2¼	6	1.05	32
2¼	7	.90	28
2¼	8	.75	24
2¼	9	.60	20
2	3-0	4.00	90
2	2-0	3.50	80
2	0	3.05	70
2	1	2.70	60
2	2	2.25	55
2	3	1.95	50
2	4	1.65	45
2	5	1.40	40
2	6	1.15	36
2	7	1.00	32
2	8	.80	28
2	9	.65	24
2	10	.50	20
1¾	3-0	4.45	1 00
1¾	2-0	3.95	90
1¾	0	3.50	80
1¾	1	3.05	70
1¾	2	2.60	60
1¾	3	2.20	55
1¾	4	1.85	50
1¾	5	1.55	45
1¾	6	1.30	40

Space in inches 1½ continued on next page.

Pieces containing less than 12½ square feet 25 per cent. advance.  
 " " " " 6 " 50 " " "

Write for discount.

“X. L.” Double Crimped Hard Steel Wire Screening—Continued.

Note—Space means the distance between the wires.

Space in inches.	Size on Wire Gauge.	Weight in lb. per square foot (approximate.)	Price per square foot.
1 3/4	7	1.10	\$0 36
1 3/4	8	.90	32
1 3/4	9	.75	28
1 3/4	10	.60	24
1 3/4	11	.50	20
1 1/2	3-0	5.10	1 10
1 1/2	2-0	4.45	1 00
1 1/2	1-0	3.90	90
1 1/2	1	3.40	80
1 1/2	2	2.95	70
1 1/2	3	2.50	60
1 1/2	4	2.15	55
1 1/2	5	1.80	50
1 1/2	6	1.50	45
1 1/2	7	1.25	40
1 1/2	8	1.05	36
1 1/2	9	.85	32
1 1/2	10	.70	28
1 1/2	11	.60	24
1 1/2	12	.50	20
1 1/4	3-0	5.90	1 20
1 1/4	2-0	5.20	1 10
1 1/4	1-0	4.55	1 00
1 1/4	1	4.05	90
1 1/4	2	3.50	80
1 1/4	3	3.00	70
1 1/4	4	2.50	60
1 1/4	5	2.10	55
1 1/4	6	1.75	50
1 1/4	7	1.50	45
1 1/4	8	1.25	40
1 1/4	9	1.00	36
1 1/4	10	.80	32
1 1/4	11	.65	28
1 1/4	12	.55	24
1 1/4	13	.45	20
1	3-0	6.95	1 30
1	2-0	6.15	1 20
1	0	5.40	1 10
1	1	4.70	1 00
1	2	4.15	90
1	3	3.45	80
1	4	2.80	70
1	5	2.50	60
1	6	2.10	55
1	7	1.80	50
1	8	1.50	45
1	9	1.25	40
1	10	1.00	36
1	11	.80	32
1	12	.65	28
1	13	.55	24
1	14	.45	20

Pieces containing less than 12 1/2 square feet 25 per cent. advance.

“ “ “ 6 “ 50 “ “



"X. L." Double Crimped Hard Steel Wire Screening—Continued.

Note—Space means the distance between the wires.

Space in inches.	Size on Wire Gauge.	Weight in lbs. per square foot (approximate.)	Price per square foot.
7/8	2-0	6.75	\$1 25
7/8	0	6.00	1 15
7/8	1	5.30	1 05
7/8	2	4.60	95
7/8	3	3.90	85
7/8	4	3.25	75
7/8	5	2.65	65
7/8	6	2.35	58
7/8	7	2.05	53
7/8	8	1.75	48
7/8	9	1.40	43
7/8	10	1.15	38
7/8	11	.95	34
7/8	12	.75	30
7/8	13	.60	26
7/8	14	.45	22
7/8	15	.30	18
3/4	0	6.60	1 20
3/4	1	5.85	1 10
3/4	2	5.10	1 00
3/4	3	4.35	90
3/4	4	3.70	80
3/4	5	3.20	70
3/4	6	2.65	60
3/4	7	2.25	55
3/4	8	1.90	50
3/4	9	1.60	45
3/4	10	1.30	40
3/4	11	1.05	35
3/4	12	.85	32
3/4	13	.70	28
3/4	14	.55	24
3/4	15	.45	20
5/8	1	6.55	1 20
5/8	2	5.80	1 10
5/8	3	5.00	1 00
5/8	4	4.25	90
5/8	5	3.65	80
5/8	6	3.05	70
5/8	7	2.65	60
5/8	8	2.25	55
5/8	9	1.85	50
5/8	10	1.50	45
5/8	11	1.25	40
5/8	12	1.00	36
5/8	13	.80	32
5/8	14	.65	28
5/8	15	.50	24
1/2	4	5.00	1 10
1/2	5	4.30	90
1/2	6	3.65	80

Space in inches 1/2 continued on next page.

Pieces containing less than 12 1/2 square feet 25 per cent. advance.

" " " 6 " 50 " "

“X. L.” Double Crimped Hard Steel Wire Screening—Continued.

Note—Space means the distance between the wires.

Space in inches.	Size on Wire Gauge.	Weight in lbs. per square foot (approximate.)	Price per square foot.
1/2	7	3.15	\$0 70
1/2	8	2.65	60
1/2	9	2.20	55
1/2	10	1.80	50
1/2	11	1.45	45
1/2	12	1.20	40
1/2	13	1.00	37
1/2	14	.80	34
1/2	15	.60	32
1/2	16	.50	30
3/8	6	4.45	90
3/8	7	3.85	80
3/8	8	3.30	70
3/8	9	2.75	60
3/8	10	2.25	55
3/8	11	1.90	50
3/8	12	1.60	45
3/8	13	1.30	40
3/8	14	1.00	37
3/8	15	.80	34
3/8	16	.65	32
3/8	17	.50	30
1/4	6	6.00	1 10
1/4	7	5.00	90
1/4	8	4.25	80
1/4	9	3.60	70
1/4	10	2.95	60
1/4	11	2.45	55
1/4	12	2.05	50
1/4	13	1.70	45
1/4	14	1.35	40
1/4	15	1.10	37
1/4	16	.90	34
1/4	17	.70	32
1/4	18	.55	30

Pieces containing less than 12 1/2 square feet 25 per cent. advance.  
 “ “ “ 6 “ 50 “ “

Standard Grade Coal Screening Cloth.

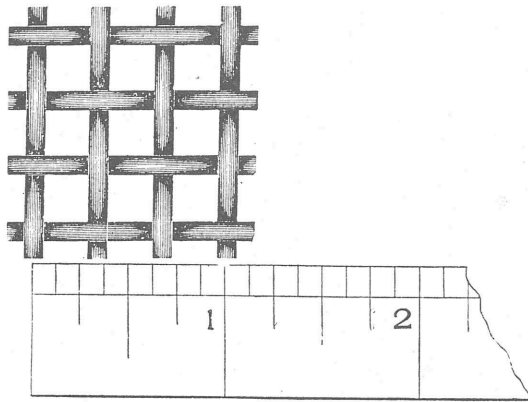
Spaces in this grade measure in the clear, or between the wires.

inch space, made of No. 1 Wire	Price per square foot
2	60 cents
1 3/4	60
1 1/2	60
1 1/4	60
1	60
7/8	58
3/4	55
5/8	55
1/2	55
3/8	55
1/4	50

FOR PRICES OF OTHER SPACES SEE PAGES 11-16.

## Suggestions in Ordering

### “X. L. Double Crimped Steel Wire Cloth.



Illustrating how to measure 3 meshes per lineal inch, No. 13 gauge (.092).

When ordering Wire Cloth be particular to give the Length, Width, Mesh and Gauge of Wire. If possible, also send small sample of Cloth wanted, and state purpose for which it is to be used.

MESH signifies the distance from center to center of wire per lineal inch.

SPACE is the distance between the wires, and is used only in Coal Screen Cloth. It is usually expressed in fractions of an inch, which denote the full size of the openings.

Wire Cloth, when cut from rolls, cannot be returned or exchanged.

No length less than 100 feet shall be considered a full roll.

All widths under 12 inches are charged for as 12 inches wide.

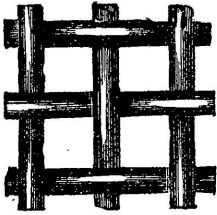
In addition to the grades herein shown, we manufacture special meshes of any kind or of any size of wire to meet special requirements.

ESTIMATES—In asking for price on Wire Cloth, all the foregoing items should be mentioned in the specifications.

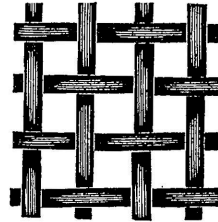
### Double Crimped Steel Wire Cloth.

No length less than 100 lineal feet shall be understood to be a roll. The mesh signifies the distance from center to center of wire per lineal inch.

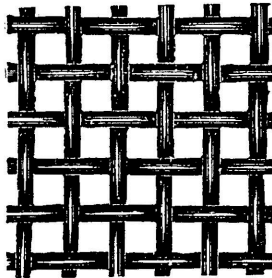
For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.



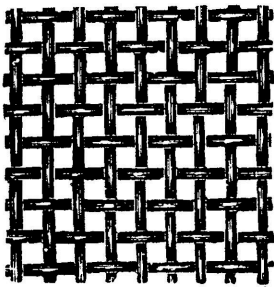
No. 2½ mesh of No. 10 Wire.



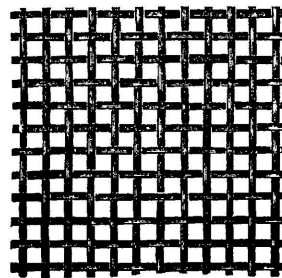
No. 3½ mesh of No. 13 Wire.



No. 4 mesh of No. 14 Wire.



No. 6 mesh of No. 16 Wire.



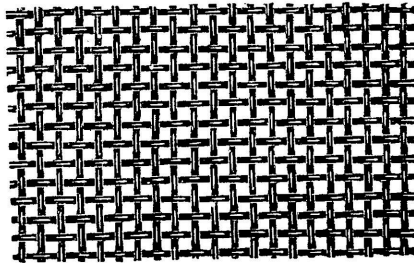
No. 8 mesh of No. 18 Wire.

### Double Crimped Steel Wire Cloth.

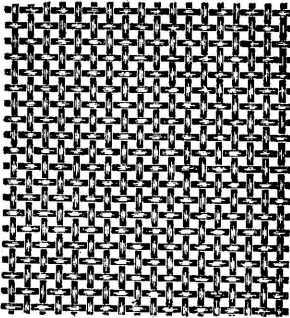
No length less than 100 lineal feet shall be understood to be a roll.

The mesh signifies the distance from center to center of wire per lineal inch.

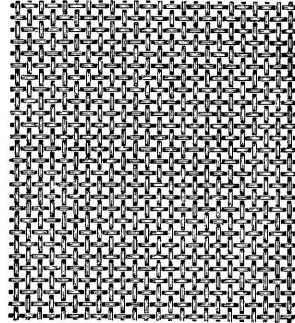
For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.



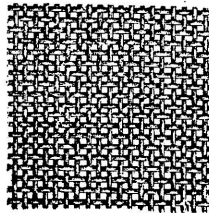
No. 10 mesh of No. 19 Wire.



No. 12 mesh of No. 19 Wire.



No. 16 mesh of No. 21 Wire.



No. 18 mesh of No. 25 Wire.

### Double Crimped Steel Wire Cloth.

No length less than 100 lineal feet shall be understood to be a roll.

The mesh signifies the distance from center to center of wire per lineal inch.

For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.

Mesher per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square inch.	Mesher per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.
3/4	9	.606	\$0 32	3 1/2	10	.158	\$0 73
3/4	10	.622	27	3 1/2	11	.169	60
3/4	11	.634	22	3 1/2	12	.181	48
3/4	12	.646	17	3 1/2	13	.193	38
3/4	13	.658	14	3 1/2	14	.205	32
3/4	14	.670	12	3 1/2	15	.213	27
3/4	15	.678	10	3 1/2	16	.221	22
3/4	16	.686	8	3 1/2	17	.229	17
				3 1/2	18	.237	14
5/8	9	.481	38	3 1/2	19	.245	12
5/8	10	.497	32	3 1/2	20	.249	10
5/8	11	.509	27	3 1/2	21	.254	8
5/8	12	.521	22				
5/8	13	.533	17	4	11	.034	73
5/8	14	.545	14	4	12	.146	60
5/8	15	.553	12	4	13	.158	48
5/8	16	.561	10	4	14	.170	38
5/8	17	.569	8	4	15	.178	32
				4	16	.186	27
2	9	.356	48	4	17	.194	22
2	10	.372	38	4	18	.202	17
2	11	.384	32	4	19	.210	14
2	12	.396	27	4	20	.214	12
2	13	.408	22	4	21	.219	10
2	14	.420	17	4	22	.222	8
2	15	.428	14				
2	16	.436	12	4 1/2	12	.118	73
2	17	.444	10	4 1/2	13	.130	57
2	18	.452	8	4 1/2	14	.142	45
				4 1/2	15	.150	35
2 1/2	8	.240	73	4 1/2	16	.158	29
2 1/2	9	.256	60	4 1/2	17	.166	24
2 1/2	10	.272	48	4 1/2	18	.174	19
2 1/2	11	.284	38	4 1/2	19	.182	15
2 1/2	12	.296	32	4 1/2	20	.186	13
2 1/2	13	.308	27	4 1/2	21	.191	11
2 1/2	14	.320	22	4 1/2	22	.194	9
2 1/2	15	.328	17	4 1/2	23	.197	7
2 1/2	16	.336	14	5	13	.108	60
2 1/2	17	.344	12	5	14	.120	48
2 1/2	18	.352	10	5	15	.128	38
2 1/2	19	.360	8	5	16	.136	32
				5	17	.144	27
3	9	.189	73	5	18	.152	22
3	10	.205	60	5	19	.160	17
3	11	.217	48	5	20	.164	14
3	12	.229	38	5	21	.169	12
3	13	.241	32	5	22	.172	10
3	14	.253	27	5	23	.175	8
3	15	.261	22	5	24	.178	7
3	16	.269	17				
3	17	.277	14	6	14	.087	60
3	18	.285	12	6	15	.095	48
3	19	.293	10	6	16	.105	38
3	20	.297	8				

Mesh by inches 6 continued on next page.

Write for Discounts. Canada Wire and Iron Goods Co.

### Double Crimped Steel Wire Cloth.

No length less than 100 lineal feet shall be understood to be a roll.

The mesh signifies the distance from center to center of wire per lineal inch.

For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.

Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.	Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.
6	17	.111	\$0 32	10	22	.072	\$0 27
6	18	.119	27	10	23	.075	22
6	19	.127	22	10	24	.078	17
6	20	.131	17	10	25	.080	14
6	21	.136	14	10	26	.082	12
6	22	.139	12	10	27	.083	10
6	23	.142	10	10	28	.084	8
6	24	.145	8	10	29	.085	7
6	25	.147	7				
7	15	.071	60	12	19	.043	60
7	16	.079	48	12	20	.047	48
7	17	.087	38	12	21	.052	38
7	18	.095	32	12	22	.055	32
7	19	.103	27	12	23	.058	27
7	20	.107	22	12	24	.061	22
7	21	.112	17	12	25	.063	17
7	22	.115	14	12	26	.065	14
7	23	.118	12	12	27	.066	12
7	24	.121	10	12	28	.067	10
7	25	.123	8	12	29	.068	8
7	26	.125	7	12	30	.069	7
8	16	.061	60	14	20	.035	60
8	17	.069	48	14	21	.040	48
8	18	.077	38	14	22	.043	38
8	19	.085	32	14	23	.046	32
8	20	.089	27	14	24	.049	27
8	21	.094	22	14	25	.051	22
8	22	.097	17	14	26	.053	17
8	23	.100	14	14	27	.054	15
8	24	.103	12	14	28	.055	13
8	25	.105	10	14	29	.056	12
8	26	.107	8	14	30	.057	11
8	27	.108	7	14	31	.058	10
				14	32	.059	9
9	17	.055	60	14	33	.060	8
9	18	.063	48	14	34	.061	7
9	19	.071	38				
9	20	.075	32	16	21	.030	73
9	21	.080	27	16	22	.033	60
9	22	.083	22	16	23	.036	48
9	23	.086	17	16	24	.039	38
9	24	.089	14	16	25	.041	32
9	25	.091	12	16	26	.043	27
9	26	.093	10	16	27	.044	22
9	27	.094	8	16	28	.045	17
9	28	.095	7	16	29	.046	15
				16	30	.047	13
10	18	.052	60	16	31	.048	12
10	19	.060	48	16	32	.049	11
10	20	.064	38	16	33	.050	10
10	21	.069	32	16	34	.051	9

Write for Discounts. Canada Wire and Iron Goods Co.

### Double Crimped Steel Wire Cloth.

No length less than 100 lineal feet shall be understood to be a roll.

The mesh signifies the distance from center to center of wire per lineal inch.

For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.

Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.	Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.
18	23	.031	\$0 60	24	34	.032	\$0 17
18	24	.034	48	24	35	.0325	15
18	25	.036	38	24	36	.033	13
18	26	.038	32				
18	27	.039	27	26	26	.020	77
18	28	.040	22	26	27	.021	65
18	29	.041	17	26	28	.022	55
18	30	.042	15	26	29	.023	46
18	31	.043	13	26	30	.024	38
18	32	.044	12	26	31	.025	30
18	33	.045	11	26	32	.026	26
18	34	.046	10	26	33	.027	23
18	35	.0465	9	26	34	.028	19
18	36	.047	8	26	35	.0285	17
				26	36	.029	15
20	24	.028	62				
20	25	.030	52	28	27	.019	77
20	26	.032	43	28	28	.020	65
20	27	.033	35	28	29	.021	55
20	28	.034	27	28	30	.022	46
20	29	.035	24	28	31	.023	35
20	30	.036	20	28	32	.024	30
20	31	.037	17	28	33	.025	26
20	32	.038	15	28	34	.026	23
20	33	.039	13	28	35	.0265	19
20	34	.040	12	28	36	.027	17
20	35	.0405	10				
20	36	.041	9	30	28	.017	66
				30	29	.018	56
22	24	.023	77	30	30	.019	47
22	25	.025	65	30	31	.020	37
22	26	.027	55	30	32	.021	31
22	27	.028	46	30	33	.022	27
22	28	.029	38	30	34	.023	23
22	29	.030	30	30	35	.0235	20
22	30	.031	26	30	36	.024	19
22	31	.032	22				
22	32	.033	19	35	29		80
22	33	.034	17	35	30		67
22	34	.035	15	35	31		57
22	35	.0355	13	35	32		47
22	36	.036	12	35	33		40
				35	34		36
24	25	.022	77	35	35		30
24	26	.024	65	35	36		27
24	27	.025	55	35	37		26
24	28	.026	46	35	38		25
24	29	.027	38				
24	30	.028	30	40	31		68
24	31	.029	26	40	32		57
24	32	.030	22	40	33		48
24	33	.031	19				

Mesh by inches 40 continued on next page.

Write for Discounts. Canada Wire and Iron Goods Co.



### Double Crimped Steel Wire Cloth.

No length less than 100 lineal feet shall be understood to be a roll.

The mesh signifies the distance from center to center of wire per lineal inch.

For heavy short lengths and work measured in the space, refer to pages 13 to 16 inclusive.

Meshes per inch.	Size on Wire Gauge.	Prices per square foot.	Meshes per inch.	Size on Wire Gauge.	Price per square feet.
40	34	\$0 44	55	37	\$0 60
40	35	40	55	38	56
40	36	36	55	39	52
40	37	32	55	40	50
40	38	30	60	36	85
40	39	28	60	37	70
40	40	26	60	38	65
45	33	70	60	39	60
45	34	58	60	40	56
45	35	50	65	37	85
45	36	46	65	38	70
45	37	42	65	39	65
45	38	40	65	40	62
45	39	38	70	38	90
45	40	36	70	39	80
50	34	80	70	40	75
50	35	65	75	39	1 00
50	36	60	75	40	90
50	37	56	80	40	1 20
50	38	52	80	41	1 10
50	39	50	90	42	1 45
50	40	48			
55	35	80			
55	36	65			

### Heavy Milling or Bolting Grade Steel Wire Cloth.

Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.	Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square foot.
2	12	.396	\$0 27	22	27	.028	\$0 46
2½	13	.308	27	24	28	.026	46
3	14	.253	27	26	29	.023	46
4	15	.178	32	28	30	.022	46
5	16	.136	32	30	31	.019	47
6	17	.111	32	35	32		47
7	18	.095	32	40	33		48
8	19	.085	32	45	35		50
9	20	.075	32	50	36		60
10	21	.069	32	55	37		60
12	22	.055	32	60	37		70
14	23	.046	32	65	38		70
16	24	.039	38	70	39		80
18	25	.036	38	75	40		90
20	26	.032	43	80	41		1 10

In addition to the grades herein shown, we manufacture special meshes of any kind or any size of wire to meet special requirements.

### Medium Milling or Bolting Grade Steel Wire Cloth.

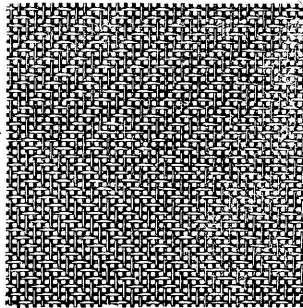
No length less than 100 lineal feet shall be considered a roll.

Mesher per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square feet.	Mesher per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square feet.
2	14	.420	\$0 17	22	29	.030	\$0 30
2½	15	.328	17	24	30	.028	30
3	16	.269	17	26	31	.025	30
4	17	.194	22	28	32	.024	30
5	18	.152	22	30	32	.021	31
6	19	.127	22	32	34		30
7	20	.107	22	34	35		30
8	21	.094	22	36	36		30
9	22	.083	22	38	36		32
10	23	.075	22	40	37		32
12	24	.061	22	45	38		40
14	25	.051	22	50	39		50
16	26	.043	27	55	40		50
18	27	.039	27	60	41		50
20	28	.034	27				

In addition to the grades herein shown, we manufacture special meshes of any kind or any size of wire to meet special requirements.

### Mining or Battery Wire Cloth.

In none of its varied uses is wire cloth subjected to more severe test than it receives in mining screens, and in no other grades are the skill and facilities of the manufacturer so plainly shown. The wire used in our battery cloth is selected for its fitness for the purpose required of it, producing firm fabrics having accurate and uniform meshes.



Twilled Herring Bone Weave, 24 Mesh of No. 25 Wire.

### Mining or Battery Wire Cloth, Twilled or Plain Weaves.

No. 18 x 22 Mesh of Nos. 24 and 25 Wire..	60 cents per square foot.
“ 18 x 24 “ “ 28 and 29 “	60 “ “
“ 24 x 24 “ “ 26 and 27 “	60 “ “
“ 30 x 30 “ “ 28 and 29 “	60 “ “

Standard width 14 inch, but any other width and mesh made to order.

### Tinned Milling or Bolting Wire Cloth.

Our facilities for manufacturing all grades of Milling and Bolting Cloth are unsurpassed, and we are in a position to furnish such goods promptly and at satisfactory prices.

The steel wire used in this cloth is coated with a preparation of tin, which effectually prevents rust, besides giving a polished finish to the wire and making it much less liable to clog than the ordinary wire cloth.

Meshes per inch.	Size on Wire Gauge.	Decimal size of Opening.	Price per square feet.
2 x 2	16	.436	\$0 15
2½ x 2½	17	.344	15
3 x 3	18	.285	15
4 x 4	19	.210	15
5 x 5	20	.164	15
6 x 6	21	.136	15
7 x 7	22	.115	15
8 x 8	23	.115	15
9 x 9	24	.089	15
10 x 10	25	.080	18
12 x 12	26	.065	18
14 x 14	27	.054	18
16 x 16	28	.045	18
18 x 18	29	.041	18
20 x 20	30	.036	25
22 x 22	31	.032	28
24 x 24	32	.030	28
26 x 26	33	.027	28
28 x 28	34	.026	28
30 x 30	35	.0235	28
32 x 32	36		28
34 x 34	36		33
36 x 36	37		40
38 x 38	37		43
40 x 40	38		45
45 x 45	39		53
50 x 50	40		62
55 x 55	41		70
60 x 60	42		80

Widths under 12 inches charged by lineal foot. Widths mostly used and kept in stock, 15, 18, 30 and 36 inches.

For comparative size of meshes with Silk Bolting Cloth, refer to page 26.

### Heavy Steel Tempered Bran Duster Wire Cloth.

No. of Meshes	35	40	45	50	55	60	65	70
Price per lineal foot, 18 inches wide...	80	88	94	1.02	1.08	1.20	1.34	1.48 cents

This special grade of Bolting Cloth is of superior make and quality.

### Tinned Steel Seed Grader Sieving.

Meshes per inch.	Size on Wire Gauge.	Decimal of Wire.	Price per square foot.
4 x 20	37 & 27	.0085 & .017	\$0 40
4 x 22	37 & 28	.0085 & .016	40
4 x 24	38 & 29	.008 & .015	40
4 x 26	38 & 30	.008 & .014	45
4 x 28	39 & 30	.0075 & .014	50
4 x 30	39 & 31	.0075 & .013	55
4 x 32	40 & 31	.007 & .013	60
4 x 34	40 & 31	.007 & .013	65
4 x 36	40 & 31	.007 & .013	70
4 x 38	40 & 31	.007 & .013	75
4 x 40	40 & 33	.007 & .011	80
4 x 42	37 & 31	.0085 & .013	85
4 x 44	38 & 33	.008 & .011	90
4 x 46	38 & 33	.008 & .011	95
4 x 48	38 & 33	.008 & .011	1 00

NOTE—Meshes 4 x 20 to 4 x 40 are made with 3 Wires to Warp.  
 “ 4 x 42 to 4 x 48 “ “ 2 “ “

We are well fitted to take care of short lengths in quick time.

### Bolting Cloth.

The following table will show the comparative size of meshes in wire cloth with silk bolting cloth.

No.	18 Mesh Wire Cloth equals	No.	0000 Silk Bolting Cloth
“ 20	“ “ “ “	“ 000	“ “ “
“ 26	“ “ “ “	“ 00	“ “ “
“ 32	“ “ “ “	“ 0	“ “ “
“ 40	“ “ “ “	“ 1	“ “ “
“ 45	“ “ “ “	“ 2	“ “ “
“ 50	“ “ “ “	“ 3	“ “ “
“ 55	“ “ “ “	“ 4	“ “ “
“ 60	“ “ “ “	“ 5	“ “ “
“ 65	“ “ “ “	“ 6	“ “ “
“ 70	“ “ “ “	“ 7	“ “ “
“ 80	“ “ “ “	“ 8	“ “ “

### Tinned Honey Extractor Cloth.

4 x 4 Mesh, Tinned Wire . . . . . 12 cents per square foot

Width in stock 18 inches. Special widths made to order.

## Threshing Machine Grade Steel Wire Cloth.

No length less than 100 lineal feet shall be considered a roll.

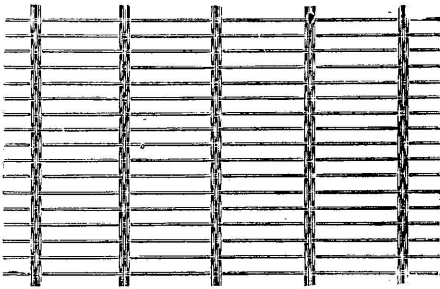
Mesher per inch.	Size on Wire Gauge	Decimal of Opening.	Price per square foot	Mesher p-r inch.	Size of Wire Gauge.	Decimal of Opening.	Price per square foot.
2	x 2	.436	\$0 12	10	x 10	.080	\$0 14
2½	x 2½	.344	12	12	x 12	.066	12
3	x 3	.285	12	14	x 14	.055	13
3½	x 3½	.245	14	16	x 16	.046	15
4	x 4	.210	14	18	x 18	.042	15
5	x 5	.164	14	20	x 20	.037	17
6	x 6	.036	14	1	x 2	17 & 16	12
7	x 7	.115	14	1	x 2½	17 & 16	12
8	x 8	.100	14	1	x 3	18 & 17	12
9	x 9	.089	14	1	x 4	18 & 18	12

Refer to table on page 28 for information regarding proper meshes for a specific purpose.

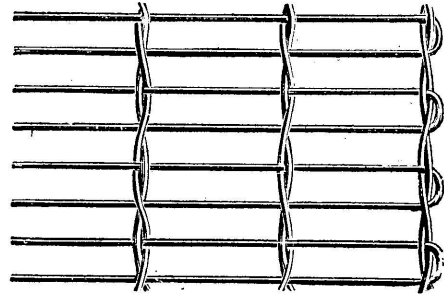
In addition to the grades herein shown, we manufacture special meshes of any kind or any size of wire to meet special requirements.

## Fanning Mill Grade Steel Wire Cloth.

No length less than 100 lineal feet shall be considered a roll.



No. 2 x 12 Mesh.



No. ¾ x 5 Mesh.

Mesher per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.	Mesher per inch.	Size on Wire Gauge.	Denimal of Opening.	Price per square foot.
2	x 2	.444	\$0 10	24	x 24	.033	\$0 13
2½	x 2½	.352	10	26	x 26	.029	15
3	x 3	.293	10	¾	x 3	19 & 19	10
3½	x 3½	.249	10	¾	x 4	20 & 20	10
4	x 4	.219	10	¾	x 5	21 & 21	10
5	x 5	.172	10	2	x 3	19 & 19	10
6	x 6	.142	10	2	x 4	19 & 20	10
7	x 7	.121	10	2	x 4½	21 & 21	10
8	x 8	.105	10	2	x 5	22 & 22	10
9	x 9	.093	10	2	x 6	22 & 23	10
10	x 10	.083	10	2	x 7	22 & 24	10
12	x 12	.067	10	2	x 8	23 & 24	10
14	x 14	.057	11	2	x 9	24 & 25	10
16	x 16	.048	12	2	x 10	25 & 26	10
18	x 18	.044	12	3	x 10	25 & 26	10
20	x 20	.040	12	3	x 12	26 & 27	10
22	x 22	.0355	13				

24 inches is the best selling width.

In addition to the grades herein shown, we manufacture Special Meshes of any kind or any size of wire to meet special requirements.

# For the Hardware Trade

## Fanning Mill and Threshing Machine Wire Cloth.

We have found that many dealers, especially those whose business is in grain-raising sections, have found a demand for wire cloth for grain cleaning machinery, but they were at a loss to determine the proper sizes. We have arranged a list of sizes which we are confident will be found reliable. While not embracing all sizes that are occasionally used, they will meet the ordinary demand. The goods cannot deteriorate, and if not all sold for grain cleaners we are sure dealers will find a line of the square mesh goods at least will be profitable to carry in stock.

Wire cloth is put up in rolls 100 feet long, but we can furnish shorter pieces at a small advance over full roll prices.

### Sizes of Wire Cloth Used and Made.

IN FANNING MILLS		PERFORATED ZINC	
Wheat Sieve, 4 x 4, 5 x 5, 4 x 5.		$\frac{5}{32}$ , $\frac{3}{16}$ , $\frac{7}{32}$ , $\frac{1}{4}$	
Wheat Screen, 6 x 6.		$\frac{1}{8}$	
Oats from Peas, $\frac{3}{4}$ x 6, $\frac{3}{4}$ x 5.		$\frac{3}{4}$ x $\frac{5}{32}$	
Rye, 3 x 3.		$\frac{3}{16}$ , $\frac{7}{32}$	
Barley, 3 x 3, 3 x 4.			
Cockle, 7 x 7, 8 x 8, 9 x 9.		$\frac{7}{64}$ , $\frac{8}{64}$ , $\frac{9}{64}$ , $\frac{17}{128}$ , $\frac{19}{128}$	
Peas, 3 x 3.		$\frac{1}{16}$ , $\frac{7}{32}$ , $\frac{1}{4}$	
Clover, 13 x 13, 14 x 14.		$\frac{1}{16}$ , .069	
Clover from Sand, 24x24, 28x28.			
Clover from Plantain Seed 4x26.			
Timothy, 16x16, 18x18, 20x20.		$\frac{3}{64}$ , .055	
Timothy from Alsike, 26 x 26.			
Cheat, 3 x 12, 2 x 9, 2 x 10.			
Flax, 3 x 14, 3 x 16, 4 x 14, 4 x 16.		$\frac{5}{64}$	
Beans, 2 x 4, 3 x 3.			
Buckwheat, 5 x 5.			
Mustard, 16 x 16.			

24 in. is the best selling width.

### IN THRESHING MACHINES

- Oats,  $\frac{1}{8}$  x 4, 1 x 2 $\frac{1}{2}$ , 3 and 4 mesh.
- Wheat, 4, 3 x 4, 4 $\frac{1}{2}$  and 5 mesh.
- Barley, 2, 2 $\frac{1}{2}$ , 3, 2 x 5 mesh.
- Flax, 3 x 12, 8, 9 mesh.
- Timothy, 14, 16 mesh.
- Clover, 12, 14 mesh.

30 in. to 48 in. wide.

The following square meshes are in general demand :

- No. 2 for Gravel ; No. 3 for Beans and Coarse Sand ; No. 4 for Corn and Mason's Sand ;
- Nos. 5 and 6 for Fine Sand ; No. 8 for Wheat, Rye, Barley and Mason's use ; Nos. 10 and 12 for White Mortar and Putty ; Nos. 14, 16, 18, 20 and 24 for Bakers' and Confectioners' use and special work ; No. 16 for Brickmakers' use.

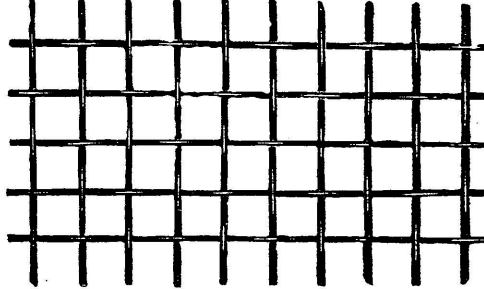
## Hardware or Market Grade Steel Wire Cloth.

Meshes are from the center to the center of wires. Put up in 12 yard rolls.

Meshes per inch.	No. of Wire.	CENTS PER YARD		
		18 inch.	24 inch.	30 inch.
2 x 2	18	\$0 36	\$0 48	\$0 60
2 $\frac{1}{2}$ x 2 $\frac{1}{2}$	19	36	48	60
3 x 3	20	36	48	60
4 x 4	22	36	48	60
5 x 5	23	36	48	60
6 x 6	24	36	48	60
7 x 7	25	36	48	60
8 x 8	26	36	48	60
9 x 9	27	36	48	60
10 x 10	28	36	48	60
12 x 12	29	36	48	60
14 x 14	32	40	54	67 $\frac{1}{2}$
16 x 16	34	40	54	67 $\frac{1}{2}$
18 x 18	35	40	54	67 $\frac{1}{2}$
20 x 20	36	40	54	67 $\frac{1}{2}$

Write for discount.

**Standard Grade Sand Screen Steel Wire Cloth.**



No. 4 Mesh of No. 19 Wire.

No. 2	Mesh of No. 16	Wire	12 cents per square foot
" 2½	"	" 17	" "
" 3	"	" 18	" "
" 4	"	" 19	" "
" 5	"	" 20	" "
" 6	"	" 21	" "
" 8	"	" 23	" "
" 10	"	" 25	" "
" 12	"	" 26	" "

Stock widths 24, 30 and 36 inches.

**Special Grade Sand Screen Steel Wire Cloth.**

No. 3 x 3 Mesh of No. 16 Wire . . . . . Net, prices on application  
 Stock widths 30 and 36 inches.

This is to supply the demand for a heavier cloth than our Standard Grade Sand Screen Cloth.

**Wire Cloth of Galvanized Steel Wire.**

Before Weaving.

Meshes are from the centre to the centre of wires per lineal inch. No length less than 100 feet shall be understood to be a roll.

Same Price List as Plain Steel Wire Cloth.

**Re-Galvanized Steel Wire Cloth.**

After Weaving.

Meshes are from the centre to the centre of wires per lineal inch. No length less than 100 lineal feet shall be understood to be a roll.

Same Price List as Plain Steel Wire Cloth.

**Tinned Steel Wire Cloth.**

Meshes are from the centre to the centre of wires per lineal inch. No length less than 100 lineal feet shall be understood to be a roll.

Same Price List as Plain Steel Wire Cloth.

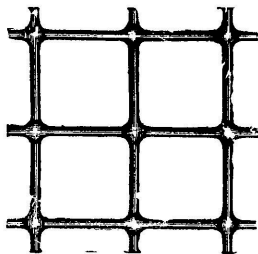
**Coppered Steel Wire Cloth.**

Same List Price as Iron and Steel Wire Cloth. In rolls 100 feet long.

**Aluminum Wire Cloth.**

Write for prices. State quantity and size of mesh wanted. Write for discount.

### Standard Grade Re-Galvanized Steel Wire Cloth.



No. 2 Mesh of No. 17 Wire.

Meshes are from the center to the center of wires. No length less than 100 lineal feet shall be understood to be a roll.

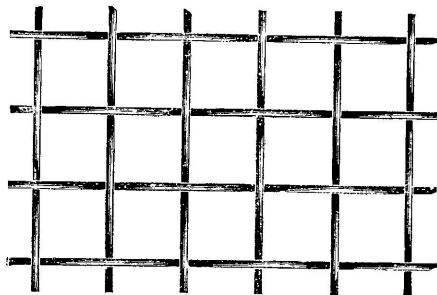
No. 2	Mesh of No. 17	Wire	Price per square foot in cents.
			Galvanized 12, Re-galvanized 14
" 2½	" "	18	" 12, " 14
" 3	" "	19	" 12, " 14
" 4	" "	21	" 12, " 14
" 5	" "	22	" 12, " 14
" 6	" "	23	" 12, " 14
" 8	" "	25	" 12, " 14
" 9	" "	26	" 12,
" 10	" "	27	" 12,

Stock widths 24, 30 and 36 inches.

Our Re-Galvanized Wire Cloth is particularly adapted to cases where the fabric is exposed to the elements and in damp places—it will not corrode.

We give here a list of some of the uses for this grade of cloth, viz.: Factory, basement, school house and church window guards, skylight and hot-houses, glass protection, animal cages, lining corn cribs, tobacco dryers, refrigerator cars, dividing fish ponds, cold air ducts, fruit drying, cotton gins, carpet and rag cleaners and ash sifters.

### Cinder Sifter Steel Wire Cloth.



No. 2½ Mesh of No. 19 Wire.

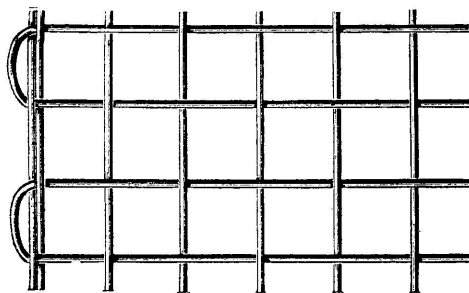
No. 2½	Mesh of No. 18	Wire	10 cents per square foot
" 2½	" "	19	8 " "
" 3	" "	19	10 " "
" 4	" "	20	8 " "

When ordered 30 inches and wider, special net prices will be quoted on application.

Write for discounts.



### Plain Steel Wire Lathing.



No.  $2\frac{1}{2}$  Mesh of No. 18 Wire.

Stock widths 30 inch and 36 inch. Prices on application.

Wire Lathing has been so extensively and successfully used for so many years in the construction of fire proof buildings, and for fire proof protection, that but a few words are necessary.

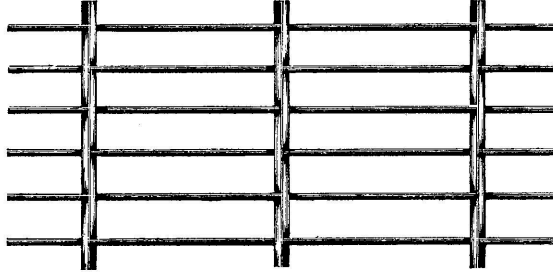
If all builders would consider saving in cost of insurance, lessening the liability of the destruction by fire, perfectly smooth ceilings, and that if properly applied the plaster will not come off and will not sag.

Wire Lathing is designed to take the place of wood lathing, which has been found an ineffective support for plaster when exposed to fire, water and vibration, and is now being used in nearly every building of any prominence.

It has been demonstrated time and again and shown that Wire Lathing when applied to a building, not only protects the ceiling and partitions, and thereby holds the fire in check to a comparatively small space in the building, but it prevents plastering from cracking and coming off if building settles, or the plaster gets wet from water by any cause.

The terms "incombustible" and "fire proof" very unfortunately have been indifferently used, especially as they are by no means synonymous terms. Stone is incombustible, but is in no sense fire proof. In fact of all building material, except wood, stone is the least able to resist the effects of fire. Iron in itself is neither incombustible or fire proof, but a building having all its apartments lathed with our Wire Lathing and plastered upon it is as near fire proof as it can be made by any known method.

**Window Guard Steel Wire Cloth.**



No length less than 100 lineal feet shall be considered to be a roll. The mesh in wire cloth is the distance from the centre to the centre of the wires per lineal inch.

No. 1 x 3 Mesh of No. 16 Wire.. . . . .	14 cents per square foot
" 1 x 4 " " 17 " . . . . .	14 " "

No. 1 x 3 mesh is the best seller. Stock widths of 36 inch and 42 inch. Other meshes made to order.

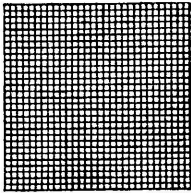
For inside window protection against chipping, etc., we recommend 2½, 3 or 4 mesh regalvanized wire cloth, listed on page 30.

Woven Wire Guard Cloth is made expressly as a protection to church, school and factory windows against stones. It is woven and rolled up same as Square Mesh Wire Cloth.

Being made of soft steel wire, it is more liable to sag than guards made of hard wire. Where valuable windows are at risk, we do not offer this fabric as a substitute for the latter, but only for use where a cheap protection is required.

**Office, Bank and Soot Screen Wire Cloth.**

24, 30, 36, 42 and 48 inches wide.



No. 35 Mesh.

Is used by painters for lettering and decorating on, for offices, banks and bar-rooms, and is also used for transom windows to prevent the soot from entering the office or room.

Samples on application. List price 27c per square foot.

We can furnish screens complete with frame and lettered in gold leaf. Inquiries solicited.

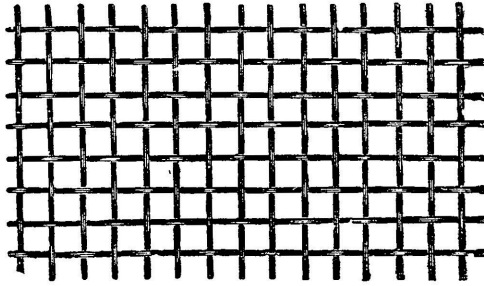
**Rust Proof (Galvanized) Screen Cloth.**

Rust Proof (Galvanized) Screen Wire Cloth we recommended as being far more durable than painted cloth, as it is made from steel wire coated with pure zinc, the best known material for protecting steel wire from rust. Our standard grade is 14 mesh, No. 33 wire. An absolute protection against all insects. The standard painted cloth is 12 mesh, No. 33 wire. Prices and samples on application.

**Bronze Screen Cloth.**

Bronze Screen Cloth has no paint or lacquer on it, thus allowing better ventilation than the painted cloth. It is absolutely indestructible in salt air, acids or gases. Our standard is 14 mesh, Nos. 31 and 32 wire. Prices and samples on application.

### Cotton and Wool Drying Floors.



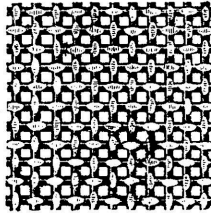
Illustrating 1 x  $\frac{1}{2}$  in. space of No. 10 Hard Steel Wire.

The advantage of the wire floors consists in their great strength, durability, cleanliness and greatest possible amount of drying surface.

We also make Heavy Wire Floors for Packers' Smoke Houses.

Prices on application. Inquiries solicited.

### Heavy Rolled Steel Wire Cloth for Malt-Kiln Floors and Other Purposes.



No. 8 Mesh of No. 16 Wire.

The above cut shows the perfectly smooth surface of the Rolled Wire Cloth. It has the greatest area for heat circulation. It is the most economical in using fuel. Produces the best quality of malt in the least time.

No. 6 Mesh of No. 14 Wire, Rolled.. . . . .	80 cents per square foot
No. 8 Mesh of No. 16 Wire, Rolled.. . . . .	80 " "
No. 10 Mesh of No. 18 Wire, Rolled.. . . . .	80 " "

The 6 Mesh of No. 14 Wire is standard for Kiln Floors. The finer meshes are used considerably in canning factories.

Write for discounts.

Perforated Steel Floors.—See page 47.

# Double Crimped Brass and Copper Wire Cloth

The Mesh signifies the distance from centre to centre of wire per lineal inch.

No length less than 100 feet shall be understood to be a roll.

Mesher per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.	Mesher per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.
2	9	.356	\$3 50	4	12	.146	\$3 00
2	10	.372	3 00	4	13	.158	2 50
2	11	.384	2 50	4	14	.170	1 75
2	12	.396	1 75	4	15	.178	1 20
2	13	.408	1 20	4	16	.186	85
2	14	.420	85	4	17	.194	60
2	15	.428	60	4	18	.202	50
2	16	.436	50	4	19	.210	45
2	17	.444	45	4	20	.214	40
2	18	.452	40	4	21	.219	35
				4	22	.222	30
2½	9	.256	4 00	4½	13	.130	2 75
2½	10	.272	3 50	4½	14	.142	2 25
2½	11	.284	2 75	4½	15	.150	1 50
2½	12	.296	2 25	4½	16	.158	1 10
2½	13	.308	1 50	4½	17	.166	75
2½	14	.320	1 10	4½	18	.174	55
2½	15	.328	70	4½	19	.182	48
2½	16	.336	60	4½	20	.186	43
2½	17	.344	50	4½	21	.191	38
2½	18	.352	45	4½	22	.194	35
2½	19	.360	40	4½	23	.197	30
				5	13	.108	3 00
3	10	.205	4 00	5	14	.120	2 50
3	11	.217	3 50	5	15	.128	1 75
3	12	.229	2 50	5	16	.136	1 20
3	13	.241	1 75	5	17	.144	85
3	14	.253	1 20	5	18	.152	60
3	15	.261	85	5	19	.160	50
3	16	.269	60	5	20	.164	45
3	17	.277	50	5	21	.169	40
3	18	.285	45	5	22	.172	35
3	19	.293	40	5	23	.175	30
3	20	.297	35	5	24	.178	27
				6	14	.087	3 00
3½	11	.169	3 75	6	15	.095	2 50
3½	12	.181	2 75	6	16	.103	1 75
3½	13	.193	2 00	6	17	.111	1 20
3½	14	.205	1 50	6	18	.119	85
3½	15	.213	1 00	6	19	.127	60
3½	16	.221	75	6	20	.131	50
3½	17	.229	55	6	21	.136	45
3½	18	.237	50	6	22	.139	40
3½	19	.245	45	6	23	.142	35
3½	20	.249	40	6	24	.145	30
3½	21	.254	35	6	25	.147	27

Write for discounts.

BRASS AND COPPER WIRE CLOTH—Continued.

Mesher per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.	Mesher per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.
7	15	.071	\$3 00	14	20	.035	\$2 50
7	16	.079	2 50	14	21	.040	1 75
7	17	.087	1 75	14	22	.043	1 20
7	18	.095	1 20	14	23	.046	85
7	19	.103	85	14	24	.049	60
7	20	.107	60	14	25	.051	50
7	21	.112	50	14	26	.053	45
7	22	.115	45	14	27	.054	40
7	23	.118	40	14	28	.055	35
7	24	.121	35	14	29	.056	30
7	25	.123	30	14	30	.057	27
7	26	.125	27	14	31	.058	25
8	16	.061	3 00	16	21	.030	2 50
8	17	.069	2 50	16	22	.033	1 75
8	18	.077	1 75	16	23	.036	1 20
8	19	.085	1 20	16	24	.039	85
8	20	.089	85	16	25	.041	60
8	21	.094	60	16	26	.043	50
8	22	.097	50	16	27	.044	45
8	23	.100	45	16	28	.045	40
8	24	.103	40	16	29	.046	35
8	25	.105	35	16	30	.047	30
8	26	.107	30	16	31	.048	27
8	27	.108	27	16	32	.049	25
9	17	.055	2 75	18	23	.031	1 75
9	18	.063	2 00	18	24	.034	1 20
9	19	.071	1 50	18	25	.036	85
9	20	.075	1 05	18	26	.038	60
9	21	.080	75	18	27	.039	50
9	22	.083	55	18	28	.040	45
9	23	.086	50	18	29	.041	40
9	24	.089	45	18	30	.042	35
9	25	.091	40	18	31	.043	30
9	26	.093	35	18	32	.044	27
9	27	.094	30	18	33	.045	25
9	28	.095	27				
10	18	.052	2 50	20	24	.028	1 75
10	19	.060	1 75	20	25	.030	1 20
10	20	.064	1 20	20	26	.032	85
10	21	.069	85	20	27	.033	60
10	22	.072	60	20	28	.034	50
10	23	.075	50	20	29	.035	45
10	24	.078	45	20	30	.036	40
10	25	.080	40	20	31	.037	35
10	26	.082	35	20	32	.038	30
10	27	.083	30	20	33	.039	27
10	28	.084	27	20	34	.040	25
10	29	.085	25				
12	19	.043	2 50	22	24	.023	2 50
12	20	.047	1 75	22	25	.025	1 75
12	21	.052	1 20	22	26	.027	1 20
12	22	.055	85	22	27	.028	85
12	23	.058	60	22	28	.029	60
12	24	.061	50	22	29	.030	50
12	25	.063	45	22	30	.031	45
12	26	.065	40	22	31	.032	40
12	27	.066	35	22	32	.033	35
12	28	.067	30	22	33	.034	30
12	29	.068	27	22	34	.035	27
12	30	.069	25	22	35	.0355	25

Write for discount.

BRASS AND COPPER WIRE CLOTH—Continued.

Meshes per inch.	Size on Wire Gauge	Decimal of Opening.	Price per square foot.	Meshes per inch.	Size on Wire Gauge.	Decimal of Opening.	Price per square foot.
24	25	.022	\$2 50	30	33	.022	42
24	26	.024	1 75	30	34	.023	37
24	27	.025	1 20	30	35	.0235	33
24	28	.026	85	30	36	.024	30
24	29	.027	60	35	29		1 75
24	30	.028	50	35	30		90
24	31	.029	45	35	31		75
24	32	.030	40	35	32		55
24	33	.031	35	35	33		48
24	34	.032	30	35	34		45
24	35	.0325	27	35	35		42
24	36	.033	25	35	36		37
26	26	.020	2 50	40	31		1 25
26	27	.021	1 75	40	32		75
26	28	.022	1 20	40	33		60
26	29	.023	85	40	34		53
26	30	.024	60	40	35		45
26	31	.025	50	40	36		42
26	32	.026	45	45	33		85
26	33	.027	40	45	34		65
26	34	.028	35	45	35		60
26	35	.0285	30	45	36		55
26	36	.029	27	45	37		50
28	27	.019	1 75	50	34		85
28	28	.020	1 25	50	35		65
28	29	.021	90	50	36		58
28	30	.022	65	50	37		52
28	31	.023	52	60	35		88
28	32	.024	47	60	36		70
28	33	.025	42	60	37		60
28	34	.026	37	60	38		55
28	35	.0265	33	70	37		80
28	36	.027	30	80	38		1 00
30	28	.017	1 25	90	39		1 25
30	29	.018	90	100	40		1 45
30	30	.019	65				
30	31	.020	55				
30	32	.021	47				

PRICE LIST OF BRASS AND COPPER WIRE CLOTH—RIDDLE OR MARKET GRADE.

Meshes are from the centre to the centre of wires. No length less than 100 feet shall be understood to be a roll.

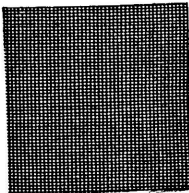
No.	Mesh, made of	No.	Wire	50 cents per square foot
"	2 x 2	16	"	"
"	3 x 3	17	"	"
"	4 x 4	18	"	"
"	5 x 5	19	"	"
"	6 x 6	20	"	"
"	7 x 7	21	"	"
"	8 x 8	22	"	"
"	10 x 10	23	"	"
"	12 x 12	24	"	"
"	14 x 14	25	"	"
"	16 x 16	26	"	"
"	18 x 18	27	"	"
"	20 x 20	28	"	"
"	22 x 22	29	"	"
"	24 x 24	30	"	"
"	30 x 30	31	"	"
"	40 x 40	33	"	"
"	50 x 50	35	"	"
"	60 x 60	36	"	"

Write for discount.

**Price List of Extra Fine Brass Wire Cloth.**

No length less than 100 lineal feet shall be understood to be a roll. The Mesh signifies the distance from the centre to the centre of the wire per lineal inch.

No. 110	Mesh, Plain	.. . . . .	\$1 50	per square foot
" 120	" "	.. . . . .	1 75	" "
" 130	" "	.. . . . .	2 25	" "
" 110	" Twilled	.. . . . .	1 60	" "
" 120	" "	.. . . . .	1 85	" "
" 130	" "	.. . . . .	2 35	" "
" 140	" "	.. . . . .	2 55	" "
" 150	" "	.. . . . .	3 00	" "
" 160	" "	.. . . . .	3 60	" "
" 170	" "	.. . . . .	4 20	" "
" 180	" "	.. . . . .	4 80	" "
" 190	" "	.. . . . .	5 40	" "
" 200	" "	.. . . . .	6 00	" "



**Brass Milk Strainer Cloth.**

Put up in 5 foot Rolls, 12 inches wide.

No. 40	Mesh	.. . . . .	42	cents per square foot
" 50	"	.. . . . .	58	" "
" 60	"	.. . . . .	60	" "

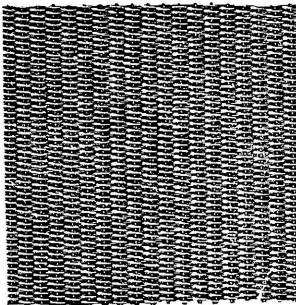
For Milk Strainer 50 mesh is the standard.

**Brass and Copper Car Ventilator Screen Cloth.**

No. 24 x 24	Mesh, No. 30	Wire	.. . . . .	\$0 50	per square foot
" 30 x 30	" "	" "	.. . . . .	65	" "

When ordering, if possible, send small sample of the cloth wanted.

Twilled Brass and Copper Wire Cloth 10 cents per square foot advance over plain woven.



**German and Dutch Weave Brass Wire Cloth.**

Used principally in Sugar Refineries and for various strainer and filter purposes, when a solid, firm cloth is required, and only small openings wanted.

All meshes made to order.

With inquiry send sample if possible.

Dutch Weave, 12 x 60 Mesh.

**Pure Phosphor Bronze Wire Cloth.**

We are in a position to supply this quality of cloth in all meshes. Phosphor Bronze Wire is used in cases where acids have to be contended with in screening, and it is not affected as in brass and copper wire. Prices upon application.

Write for discount.

# Weight of Standard Shelf Grades Steel Wire Cloth

## Hardware Grade.

Listed on page 28. 12 yard rolls.

Mesh . . . . .	2	3	4	5	6	7	8	9	10	12	14	16	18
24 inch wide . . . . .	20½	21½	16½	13½	16½	11½	12	11¾	11½	12	9	7½	8 lbs
21 inch wide . . . . .			12½		11		9		10	10		6½	lbs

## Fanning Mill Grade.

Listed on page 27. 100 lineal feet rolls.

Mesh . . . . .	3	4	6	8	10	12	¾ x 5	2 x 5	2 x 6	
24 inch wide . . . . .	64	56	50	42	40	36	50	52	60	lbs

## Standard Sand Screen Wire Cloth.

Listed on page 29. 100 lineal feet rolls.

Mesh . . . . .	2½	3	4	6	10	12
24 inch wide . . . . .		95	85			
30 inch wide . . . . .	90	107	100	80	60	50 lbs.
36 inch wide . . . . .	115	150	125	107	82	60 lbs.

## Special Grade Sand Screen.

3 x 3 Mesh, 16 Ga. Listed on page 29.

100 lineal feet, 30 inches wide, 185 lbs.

100 lineal feet, 36 inches wide, 225 lbs.

## Steel Wire Cloth.

100 lineal feet 30 inches wide, 6 x 6 mesh, 16 Ga., approximate weight . . . . .	390 lbs.
100 " 30 " 6 x 6 " 17 Ga., " . . . . .	300 lbs.
100 " 30 " 8 x 8 " 18 Ga., " . . . . .	300 lbs.
100 " 30 " 8 x 8 " 19 Ga., " . . . . .	200 lbs.
100 " 30 " 10 x 10 " 19 Ga., " . . . . .	245 lbs.
100 " 30 " 12 x 12 " 19 Ga., " . . . . .	300 lbs.
2 x 2 mesh, 10 Ga., approximate weight " " . . . . .	2¼ lbs.
2½ x 2½ " 10 Ga., " " . . . . .	3 lbs.
3 x 3 " 10 Ga., " " . . . . .	3½ lbs.
4 x 4 " 14 Ga., " " . . . . .	1½ lbs.
5 x 5 " 14 Ga., " " . . . . .	2 1/10 lbs.



# Perforated Sheet Metal

FOR

Breweries, Brickmakers,

Bee Boxes and Separators,

Car Ventilators, Centrifugals,

Coal and Ore Separators,

Crushed and Ground Minerals,

Dust Arresters, Drive Well Points,

Revolving Screens, Shot Tower Plates,

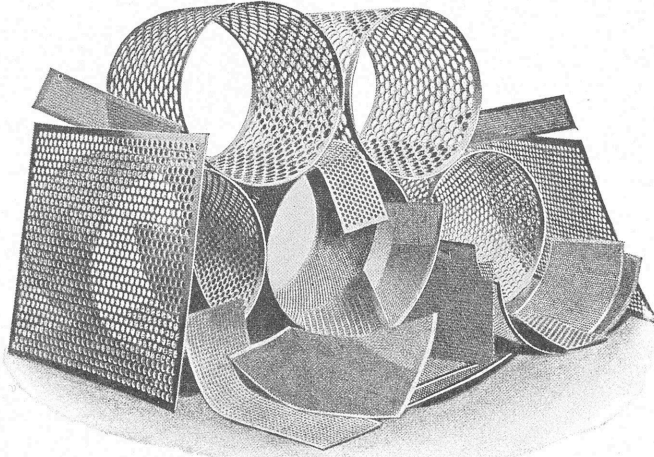
Ventilators.

Rolled and Flat Screens for Mill Furnishing, for Flour, Rice, Oatmeal, Paper, Coffee and Spice, Cotton-seed and Linseed Oil Mills, Smut Machines, Hydro-extractors, and Glucose, Sugar, Starch and Chemical Works.

Screens for Grain Cleaning, for Corn Shellers, Threshing Machines and Fanning Mills.

Malt-Kiln Floors, Brewers' and Maltsters' Screens, Barley Washing Screens, Distillery Screens, Filter-press Plates.

# Perforated Metals



## INSTRUCTIONS TO CORRESPONDENTS.

We would respectfully request our friends and customers, when sending orders, or making inquiries regarding styles or prices of perforated metal, to favor us with the following information, as it will save much unnecessary delay and correspondence. Always state :

1. Number of sheets and kind of metal wanted.
2. Size of sheets in inches each way. If irregular, send sketch showing shape of sheets and fill in dimensions on each line.
3. Thickness of metal by Stubs' (Birmingham Gauge). or send samples showing thickness of metal wanted.

NOTE.—Copper and Brass Sheets are not usually sold by Birmingham Gauge, therefore always give decimal size as well as gauge size.

For table of comparative gauges. see page 42.

Sheet zinc is only sold by its own recognized gauge.

The pitch of our Standard Round Perforations is one-and-a-half the diameter of the hole.

That thickness of metal should always be proportioned to size of perforations.

In case of round and square perforations the thickness of sheet should not exceed the diameter of the hole.

Width of plain margins or blanks wanted, if any, and on what part of the sheet.

Shape and size of perforations. If slot, oval or oblong, state which way of sheet you wish perforations to run.

If for cylinder screens, state whether plates are to be shipped rolled or flat ; state whether butt or lap joints are required, and whether the inside or outside diameter of the screen is given.

State route of shipment, and whether by freight or express. If not otherwise advised, we always ship by freight.

Any form of perforation not represented in this catalogue can be accurately executed to order.

## TABLE FOR PUNCHING STEEL PLATES.

This table gives the greatest thicknesses of steel in which it is advisable to punch round or square holes of given diameters or sizes. Spacing, strain upon the plate, wear of dies and other considerations determine what is advisable. While the table is offered as a convenient guide in ordering, thinner plates will generally answer every requirement, and cost less.

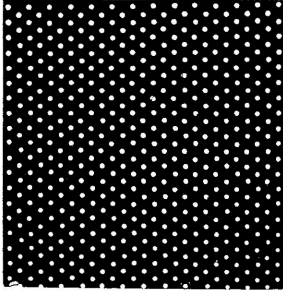
DIAMETER OF HOLE			BIRMINGHAM GAUGE		
Millimeters	Inches	Decimals of an Inch	No.	Thickness in Inches	Weight per Square Foot
¾		02952	26	.018	.731
1		03937	24	.022	.894
	¾	04687	22	.028	1.138
1¼		04921	20	.035	1.423
1½		05906	18	.049	1.992
	⅞	06250	18	.049	1.992
	5/8	07812	16	.065	2.642
2		07874	16	.065	2.642
2¼		08858	16	.065	2.642
	3/8	09375	16	.065	2.642
2½		09843	16	.065	2.642
3		11811	14	.083	3.374
	⅝	125	14	.083	3.374
3¼		12795	14	.083	3.374
3½		1378	12	.109	4.431
	9/8	14062	12	.109	4.431
4		15748	12	.109	4.431
4½		17717	10	.134	5.448
	3/8	18750	10	.134	5.448
5		19685	10	.134	5.448
5¼		21654	10	.134	5.448
6		23622	10	.134	5.448
	½	25	8	.165	6.708
6½		25591	8	.165	6.708
7		27559	8	.165	6.708
	5/8	28125	8	.165	6.708
	3/8	3125	8	.165	6.708
8		31496	8	.165	6.708
9		35433	8	.165	6.708
	¾	375	8	.165	6.708
10		3937	8	.165	6.708
11		43307	8	.165	6.708
	7/8	4375	8	.165	6.708
12		47244	8	.165	6.708
	1	5	8	.165	6.708
13		51181	8	.165	6.708
14		55118	8	.165	6.708
15		59055	8	.165	6.708
	1 1/8	59375	8	.165	6.708
	1 1/8	625	8	.165	6.708
19		74803	8	.165	6.708
	1 1/4	75	8	.165	6.708
22		86614	8	.165	6.708
	7/8	875	8	.165	6.708
25		98425	8	.165	6.708
	1		8	.165	6.708
			5/8	.312	12.703

TABLE SHOWING WEIGHT PER SQUARE FOOT  
OF DIFFERENT SHEET METALS.

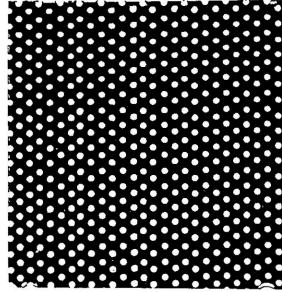
Thick- ness in Frac- tions of an inch.	Num- ber of Gauge.	BIRMINGHAM GAUGE				SPECIAL GAUGES				Num- ber Gauge	
		Deci. of an Inch	Sheet Iron	Steel	Copper	Brass	Russia Iron		Sheet Zinc		
							Thick- ness	Wt.	Thick- ness		Wt.
$\frac{1}{2}$	..	.500	20 141	20.326	23.125	21.400	..	..	..	..	..
$\frac{7}{16}$	..	.437	17.623	17.785	20.234	18.725	..	..	..	..	..
$\frac{3}{8}$	..	.375	15 106	15.244	17.344	16.050	..	..	..	..	..
$\frac{5}{16}$	..	.312	12.588	12.703	14.453	13.375	..	..	..	..	..
$\frac{1}{4}$	1	.300	12.037	12.198	13.590	12.840	..	..	.002	.07	1
$\frac{3}{16}$	2	.284	11.395	11.547	12.865	12.155	..	..	.004	.15	2
$\frac{1}{8}$	3	.259	10.393	10.530	11.732	11.085	..	..	.006	.22	3
$\frac{7}{32}$	..	.250	10.070	10.163	11.562	10.700	..	..	..	..	..
$\frac{3}{16}$	4	.238	9.549	9.677	10.781	10.186	..	..	.008	.30	4
$\frac{1}{8}$	5	.220	8.827	8.945	9.966	9.416	..	..	.010	.37	5
$\frac{5}{32}$	..	.203	8.145	8.254	9.195	8.688	..	..	.012	.45	6
$\frac{1}{8}$	..	.187	7.552	7.622	8.672	8.025	..	..	..	..	..
$\frac{3}{16}$	7	.180	7.222	7.318	8.154	7.704	.013	.574	.014	.52	7
$\frac{1}{8}$	8	.165	6.620	6.708	7.474	7.062	.014	.666	.016	.60	8
$\frac{1}{16}$	..	.148	5.938	6.017	6.704	6.334	.016	.735	.018	.67	9
$\frac{1}{16}$	..	.134	5.376	5.448	6.070	5.735	.018	.827	.020	.75	10
$\frac{1}{16}$	..	.125	5.035	5.081	5.781	5.350	..	..	..	..	..
$\frac{1}{16}$	11	.120	4.815	4.879	5.436	5.136	.020	.918	.024	.90	11
$\frac{1}{16}$	12	.109	4.373	4.431	4.937	4.665	.021	.987	.028	1.05	12
$\frac{1}{16}$	13	.095	3.811	3.862	4.303	4.066	.022	1.080	.032	1.20	13
$\frac{1}{16}$	14	.083	3.330	3.374	3.759	3.552	.024	1.150	.036	1.35	14
$\frac{1}{16}$	15	.072	2.889	2.927	3.261	3.081	.026	1.240	.040	1.50	15
$\frac{1}{16}$	16	.065	2.608	2.642	2.944	2.782	.030	1.330	.045	1.68	16
$\frac{1}{16}$	..	.062	2.517	2.541	2.890	2.675	..	..	..	..	..
$\frac{1}{16}$	17	.058	2.327	2.358	2.627	2.482	..	..	.050	1.87	17
$\frac{1}{16}$	18	.049	1.966	1.992	2.219	2.097	..	..	.055	2.06	18
$\frac{1}{16}$	19	.042	1.685	1.707	1.902	1.797	..	..	.060	2.25	19
$\frac{1}{16}$	20	.035	1.404	1.423	1.585	1.498	..	..	.070	2.62	20
$\frac{1}{16}$	21	.032	1.284	1.301	1.449	1.309	..	..	.080	3.00	21
$\frac{1}{16}$	22	.028	1.123	1.138	1.268	1.198	..	..	.090	3.37	22
$\frac{1}{16}$	23	.025	1.003	1.016	1.132	1.070	..	..	.100	3.75	23
$\frac{1}{16}$	24	.022	.882	.894	.996	.941	..	..	.125	4.70	24
$\frac{1}{16}$	25	.020	.802	.813	.906	.856	..	..	.250	9.40	25
$\frac{1}{16}$	26	.018	.722	.731	.815	.770	..	..	.375	14.00	26
$\frac{1}{16}$	27	.016	.642	.650	.724	.684	..	..	.500	18.75	27
$\frac{1}{16}$	28	.014	.561	.569	.634	.599	..	..	1.000	37.50	28
$\frac{1}{16}$	29	.013	.521	.528	.588	.556	..	..	..	..	29
$\frac{1}{16}$	30	.012	.481	.487	.543	.513	..	..	..	..	30
$\frac{1}{16}$	31	.010	.401	.406	.453	.428	..	..	..	..	31
$\frac{1}{16}$	32	.009	.361	.365	.407	.385	..	..	..	..	32

### Standard Round Perforations.

The pitch of some of our Steel Dies may vary a little from those illustrated.  
Standard Zinc Sheets are 36 in. x 96 in. and 36 in. x 98 in.



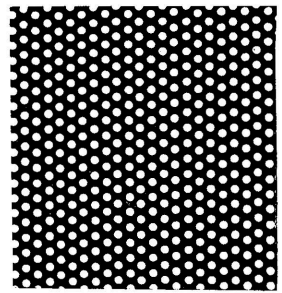
No. 0— $\frac{1}{32}$  in. or .031 in. Diam. of Hole.



No. 1— $\frac{1}{26}$  in. or .038 in. Diam. of Hole.

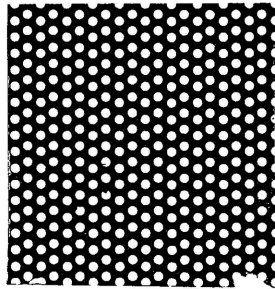


**ERRATA**—The standard size of Perforated Zinc Sheets on pages 43 to 50 should read 36 x 96 and 36 x 48 instead of 36 x 98 as printed.

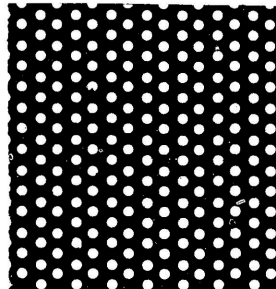


No. 2— $\frac{1}{25}$  in. or .040 in. Diam. of Hole.

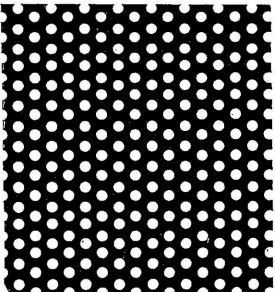
No. 3— $\frac{3}{84}$  in. or .047 in. Diam. of Hole.



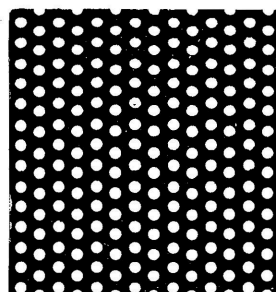
No. 4— $\frac{1}{20}$  in. or .051 in. Diam. of Hole.



No. 5— $\frac{1}{18}$  in. or .055 in. Diam. of Hole.



No. 6— $\frac{1}{17}$  in. or .058 in. Diam. of Hole



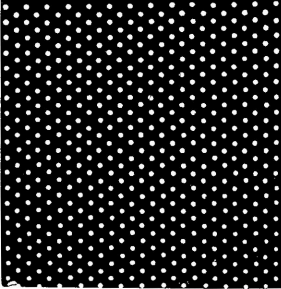
No. 7— $\frac{1}{16}$  in. or .062 in. Diam. of Hole.

## TABLE SHOWING WEIGHT PER SQUARE FOOT OF DIFFERENT SHEET METALS.

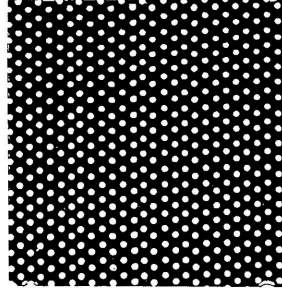
Thick- ness in Frac- tions of an inch.	Num ber of Gauge.	BIRMINGHAM GAUGE					SPECIAL GAUGES				Num- ber Gauge
		Deci. of an Inch	Sheet Iron	Steel	Copper	Brass	Russia Iron		Sheet Zinc		
							Thick- ness	Wt.	Thick- ness	Wt.	
$\frac{1}{2}$	..	.500	20 141	20.326	23.125	21.400					
$\frac{7}{16}$	..	.437	17.623	17.785	20.924	19.795					
$\frac{3}{8}$	..	.375	15 106	15.244							
$\frac{5}{16}$	..	.312	12.588	12.703							
..	1	.300	12.037	12.198							
..	2	.284	11.395	11.547							
..	3	.259	10.393	10.530							
$\frac{1}{4}$	..	.250	10.070	10.163							
..	4	.238	9.549	9.677							
..	5	.220	8.827	8.945							
..	6	.203	8.145	8.254							
$\frac{3}{16}$	..	.187	7.552	7.622							
..	7	.180	7.222	7.318							
..	8	.165	6.620	6.708							
..	9	.148	5.938	6.017							
..	10	.134	5.376	5.448	6.070	5.735	.018	.827	.020	75	10
$\frac{1}{8}$	..	.125	5.035	5.081	5.781	5.350					
..	11	.120	4.815	4.879	5.436	5.136	.020	.918	.024	.90	11
..	12	.109	4.373	4.431	4.937	4.665	.021	.987	.028	1.05	12
..	13	.095	3.811	3.862	4.303	4.066	.022	1.080	.032	1.20	13
..	14	.083	3.330	3.374	3.759	3.552	.024	1.150	.036	1.35	14
..	15	.072	2.889	2.927	3.261	3.081	.026	1.240	.040	1.50	15
..	16	.065	2.608	2.642	2.944	2.782	.030	1.330	.045	1.68	16
$\frac{1}{16}$	..	.062	2.517	2.541	2.890	2.675					
..	17	.058	2.327	2.358	2.627	2.482			.050	1.87	17
..	18	.049	1.966	1.992	2.219	2.097			.055	2.06	18
..	19	.042	1.685	1.707	1.902	1.797			.060	2.25	19
..	20	.035	1.404	1.423	1.585	1.498			.070	2.62	20
..	21	.032	1.284	1.301	1.449	1.309			.080	3.00	21
..	22	.028	1.123	1.138	1.268	1.198			.090	3.37	22
..	23	.025	1.003	1.016	1.132	1.070			.100	3.75	23
..	24	.022	.882	.894	.996	.941			.125	4.70	24
..	25	.020	.802	.813	.906	.856			.250	9.40	25
..	26	.018	.722	.731	.815	.770			.375	14.00	26
..	27	.016	.642	.650	.724	.684			.500	18.75	27
..	28	.014	.561	.569	.634	.599			1.000	37.50	28
..	29	.013	.521	.528	.588	.556					29
..	30	.012	.481	.487	.543	.513					30
..	31	.010	.401	.406	.453	.428					31
..	32	.009	.361	.365	.407	.385					32

### Standard Round Perforations.

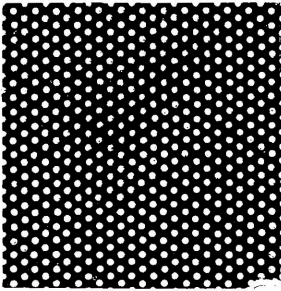
The pitch of some of our Steel Dies may vary a little from those illustrated.  
Standard Zinc Sheets are 36 in. x 96 in. and 36 in. x 98 in.



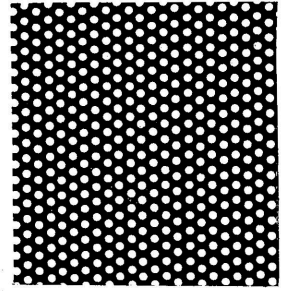
No. 0— $\frac{1}{32}$  in. or .031 in. Diam. of Hole.



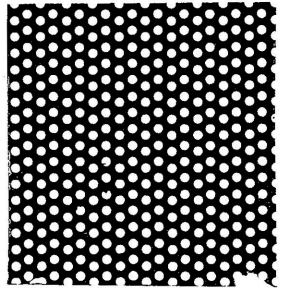
No. 1— $\frac{1}{28}$  in. or .038 in. Diam. of Hole.



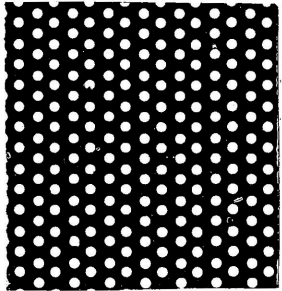
No. 2— $\frac{1}{25}$  in. or .040 in. Diam. of Hole.



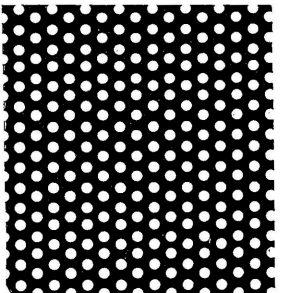
No. 3— $\frac{3}{64}$  in. or .047 in. Diam. of Hole.



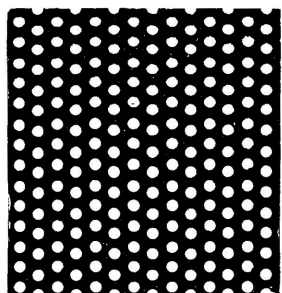
No. 4— $\frac{1}{20}$  in. or .051 in. Diam. of Hole.



No. 5— $\frac{1}{18}$  in. or .055 in. Diam. of Hole.



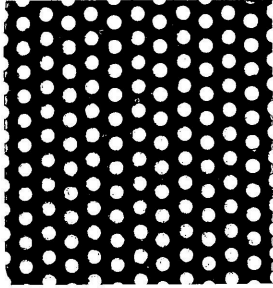
No. 6— $\frac{1}{17}$  in. or .058 in. Diam. of Hole



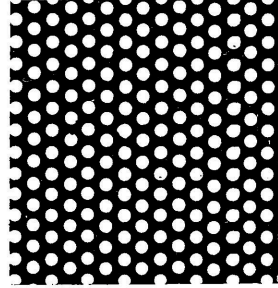
No. 7— $\frac{1}{16}$  in. or .062 in. Diam. of Hole.

### Standard Round Perforations.

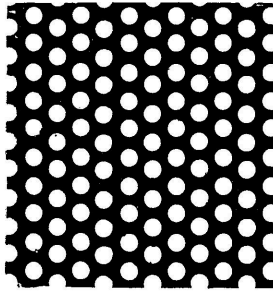
The pitch of some of our Steel Dies may vary a little from those illustrated. ---  
Standard Zinc Sheets are 36 in. x 96 in. and 36 in. x 98 in.



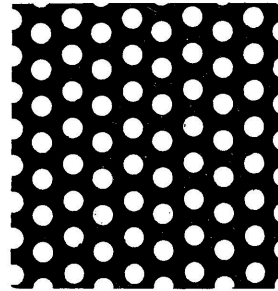
No. 8— $\frac{1}{4}$  in. Diam. of Hole.



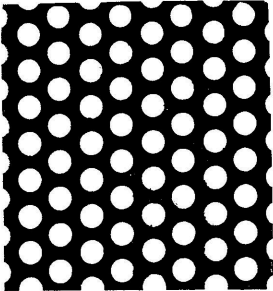
No. 9— $\frac{5}{8}$  in. Diam. of Hole.



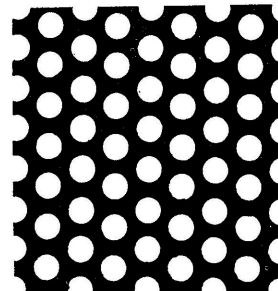
No. 10— $\frac{3}{2}$  in. Diam. of Hole.



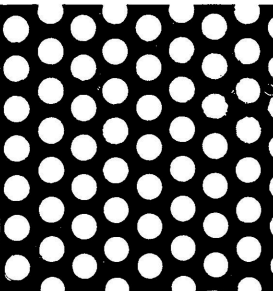
No. 11— $\frac{7}{4}$  in. Diam. of Hole.



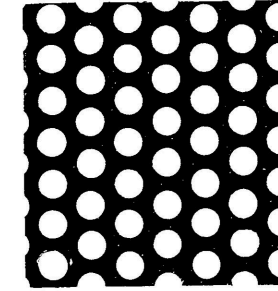
No. 12— $\frac{1}{2}$  in. Diam. of Hole.



No. 13— $\frac{1}{2}$  in. Diam. of Hole.



No. 14— $\frac{9}{8}$  in. Diam. of Hole.

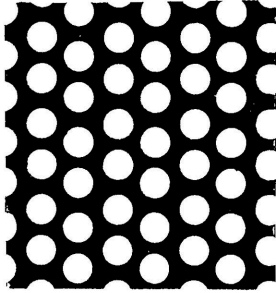


No. 15— $\frac{1}{2}$  in. Diam. of Hole.

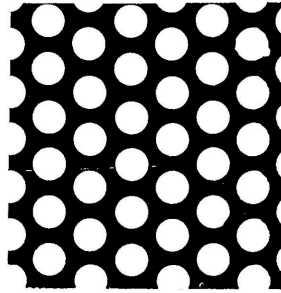


### Standard Round Perforations.

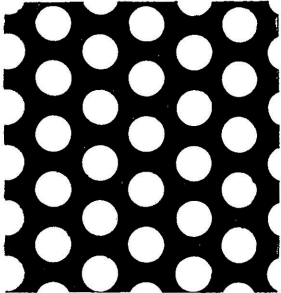
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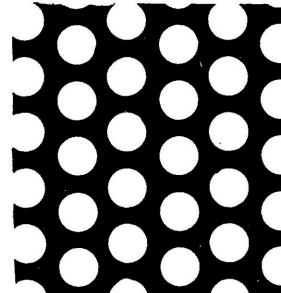
No. 16— $\frac{5}{8}$  in. Diam. of Hole.



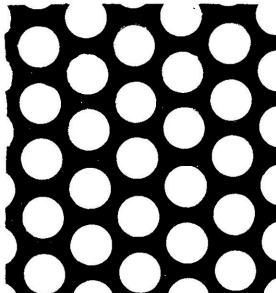
No. 17— $\frac{11}{16}$  in. Diam. of Hole.



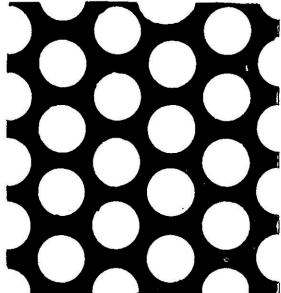
No. 18— $\frac{3}{8}$  in. Diam. of Hole.



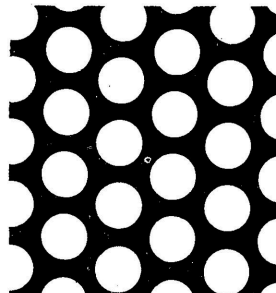
No. 19— $\frac{1}{4}$  in. Diam. of Hole.



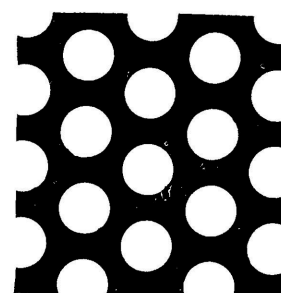
No. 20— $\frac{7}{32}$  in. Diam. of Hole.



No. 21— $\frac{15}{64}$  in. Diam. of Hole



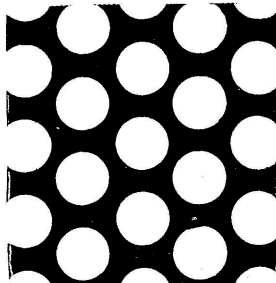
No. 22— $\frac{1}{4}$  in. Diam. of Hole.



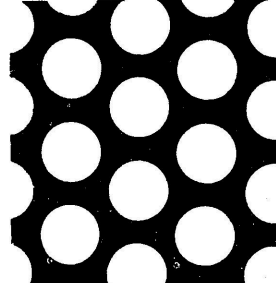
No. 23— $\frac{17}{64}$  in. Diam. of Hole.

### Standard Round Perforations.

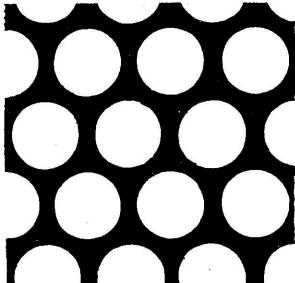
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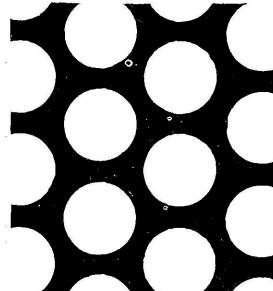
No. 24— $\frac{9}{32}$  in. Diam. of Hole.



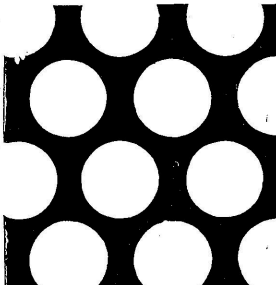
No. 25— $\frac{5}{16}$  in. Diam. of Hole.



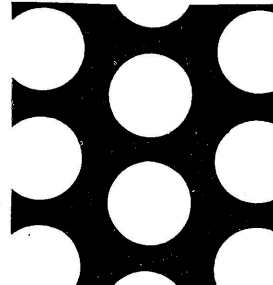
No. 26— $\frac{1}{2}$  in. Diam. of Hole.



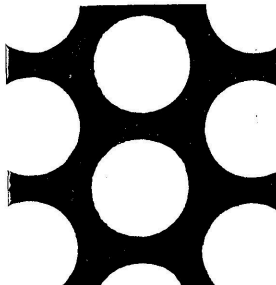
No. 27— $\frac{3}{8}$  in. Diam. of Hole.



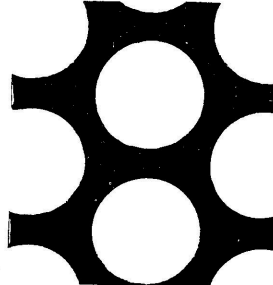
No. 28— $\frac{1}{2}$  in. Diam. of Hole.



No. 29— $\frac{7}{16}$  in. Diam. of Hole.



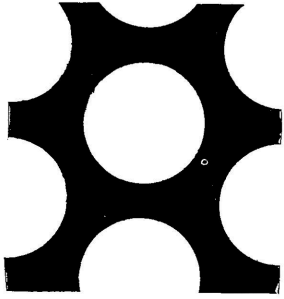
No. 30— $\frac{1}{2}$  in. Diam. of Hole.



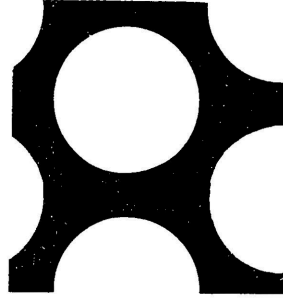
No. 31— $\frac{9}{16}$  in. Diam. of Hole.

### Standard Round Perforations.

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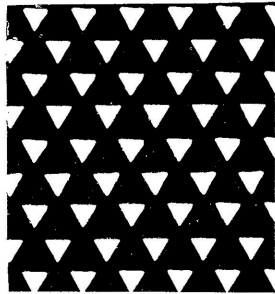


No. 32— $\frac{5}{8}$  in. Diam. of Hole.



No. 33— $\frac{3}{4}$  in. Diam. of Hole.

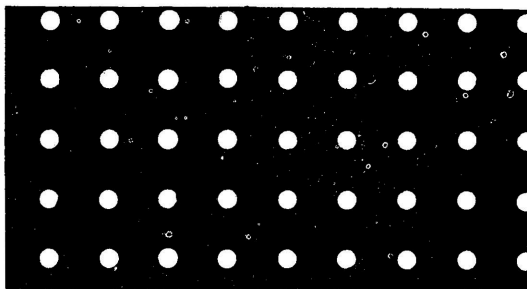
We can furnish Round Perforations up to 2 inch diameter of hole.



Triangular Hole.

Any form of perforation not represented in this Catalogue can be accurately executed to order.

### Malt Kiln Floors of Perforated Steel.



Special Plate for Malt Kiln Floors.

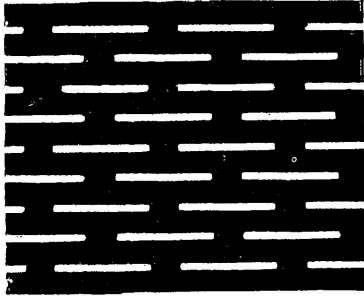
$\frac{3}{8}$  inch round ;  $\frac{5}{16}$  inch between perforations.

Perforated Steel No. 18 Ga. . . . . 35c per square foot

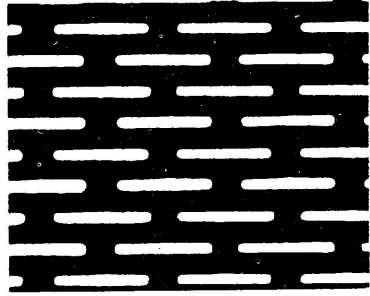
Riveted in Sections, with flush joints, 10c per square foot extra.

### Standard "Hit and Miss" Perforated Plates.

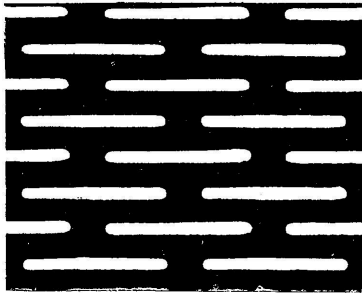
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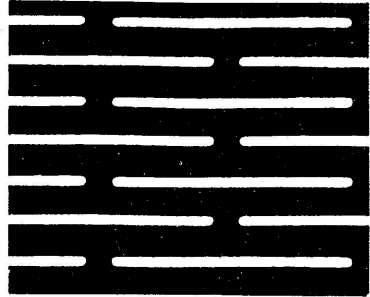
$\frac{1}{2}$  in. x  $\frac{1}{2}$  in. "H. & M." Sideways.



$\frac{1}{8}$  in. x  $\frac{1}{2}$  in. "H. & M." Sideways.



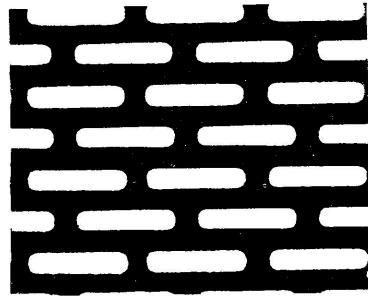
$\frac{1}{8}$  in. x  $\frac{3}{4}$  in. "H. & M." Sideways.



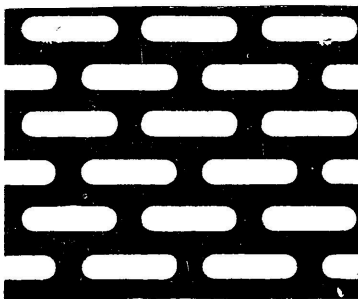
$\frac{1}{8}$  in. x  $1\frac{1}{4}$  in. "H. & M." Sideways.



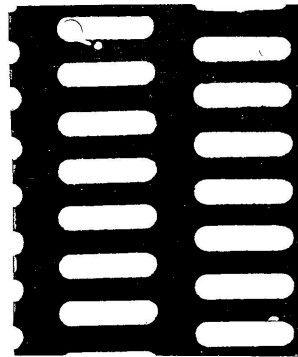
$\frac{3}{8}$  in. x  $\frac{3}{4}$  in. "H. & M." Endways.



$\frac{7}{8}$  in. x  $\frac{1}{2}$  in. "H. & M." Sideways.



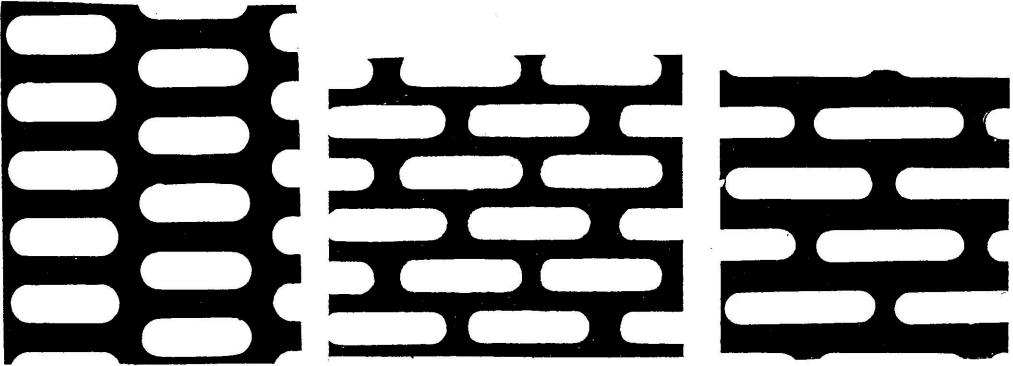
$\frac{1}{8}$  in. x  $\frac{1}{2}$  in. "H. & M." Sideways.



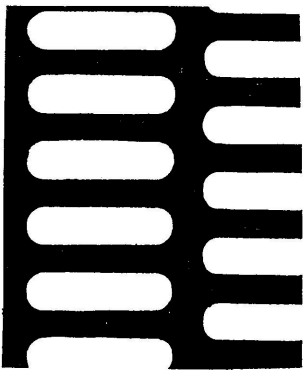
$\frac{1}{8}$  in. x  $\frac{1}{2}$  in. "H. & M." Endways.

**Standard "Hit and Miss" Perforated Plates.**

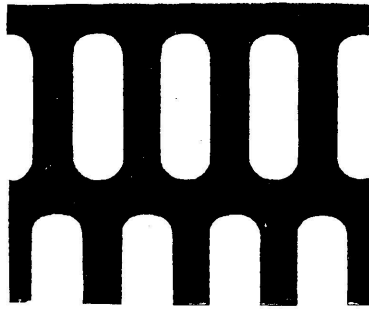
The pitch of some of our Steel Dies may vary a little from those illustrated.  
Standard Zinc Sheets are 36 in. x 96 in. and 36 in. x 98 in.



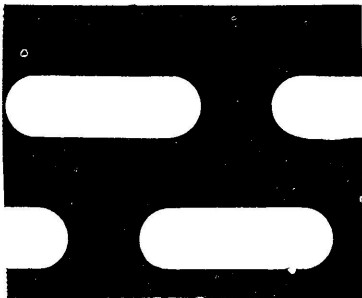
$\frac{3}{16}$  x  $\frac{9}{16}$  in. "H. & M." Endways.  $\frac{5}{32}$  2  $\frac{5}{8}$  in. "H & M." Sideways.  $\frac{5}{32}$  x  $\frac{1}{4}$  in. "H. & M." Sideways.



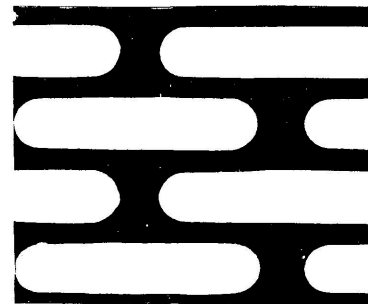
$\frac{3}{16}$  in. x  $\frac{3}{4}$  in. "H. & M." Endways.



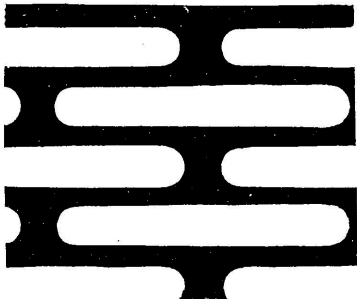
$\frac{1}{4}$  in. x  $\frac{3}{4}$  in. "H. & M." Endways.



$\frac{5}{16}$  in. x 1 in. "H. & M." Sideways.



$\frac{1}{4}$  in. x  $1\frac{1}{4}$  in. "H. & M." Sideways.



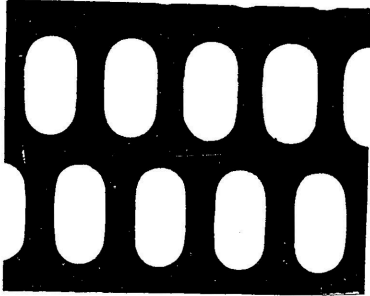
$\frac{3}{16}$  in. x  $1\frac{1}{2}$  in. "H. & M." Sideways.



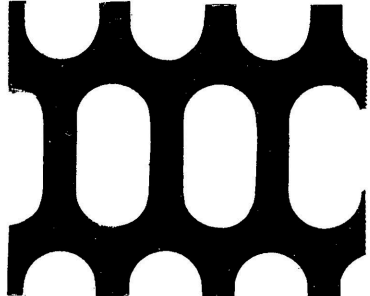
$\frac{1}{4}$  in. x  $1\frac{1}{2}$  in. "H. & M." Sideways.

### Standard "Hit and Miss" Perforated Plates.

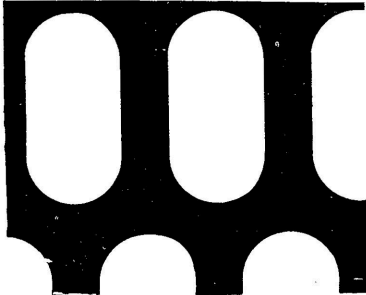
The pitch of some of our Steel Dies may vary a little from those illustrated.  
Standard Zinc Sheets are 36 in. x 96 in. and 36 in. x 98 in.



$\frac{1}{4}$  in. x  $\frac{1}{2}$  in. "H. & M." Endways.



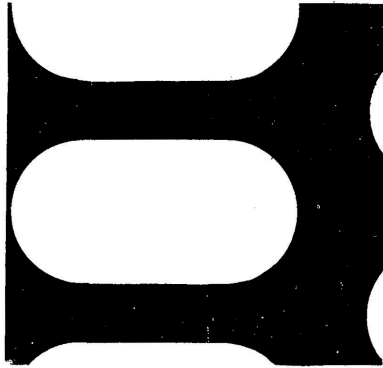
$\frac{3}{8}$  in. x  $\frac{3}{4}$  in. "H. & M." Endways.



$\frac{1}{2}$  in. x 1 in "H. & M." Endways.

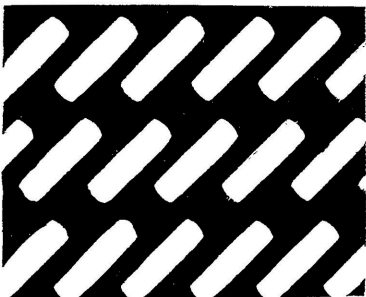


$\frac{3}{8}$  in. x  $1\frac{1}{2}$  in. "H. & M." Sideways.

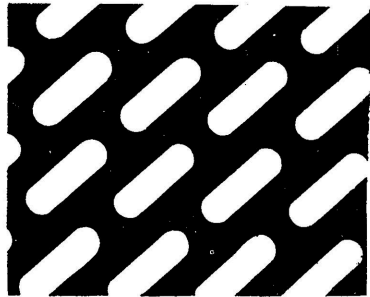


$\frac{3}{4}$  in. x  $1\frac{1}{2}$  "H. & M." Endways.

### Standard Diagonal Slot Screen Plates.



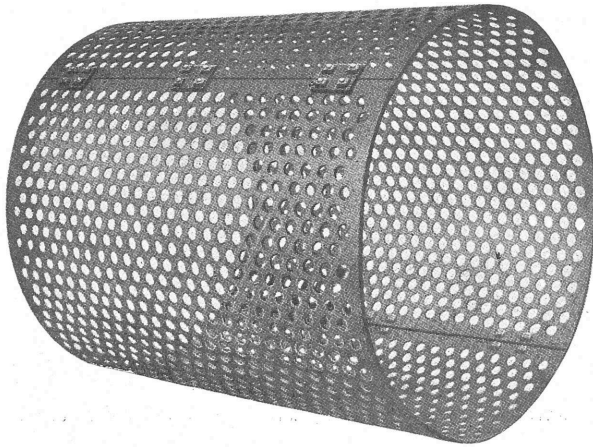
$\frac{1}{8}$  in. x  $\frac{1}{2}$  in. Diagonal.



$\frac{5}{32}$  in. x  $\frac{1}{2}$  in. Diagonal.

## Cylindrical Screen Sections

and SEGMENTS FOR REVOLVING SCREENS rolled to exact radius of any given diameter for screen sections, and holes for bolts placed at intervals along the ends and sides to fasten to screen frame.



Screen Sections from  $\frac{1}{8}$  to  $\frac{1}{2}$  in. thick, to exact diameter and size of perforation as desired.

These screen sections are made of heavy steel plate from  $\frac{3}{16}$  inch to  $\frac{5}{8}$  inch thick, to exact diameter and size of perforation as desired, with joints butted and fastened with strap or clips.

Prices on application.

## Revolving Screens.

Made to order for handling material of all kinds.

In ordering, state : Quantity of material to be handled per hour ; nature of same ; size of holes required, and the number of sections, in accordance with directions given on page 40.

Prices on application.

### Standard Needle Slot Screen Plates.

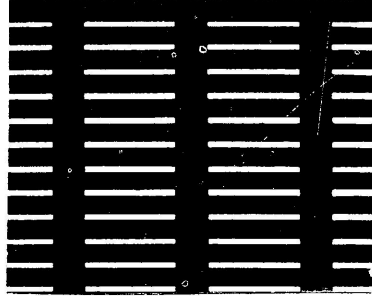
NOTE.—Slots in needle slot screen sheets are usually  $\frac{1}{2}$  of an inch long, running diagonally, and unless otherwise specified, we shall fill orders for needle slot screens with sheets thus perforated. We are prepared, however, to furnish screens having the slots running either lengthwise or crosswise of the sheet, with openings of specified widths and arranged in parallel rows or staggered. The space between slots, within certain limits, may also be varied. Where Russia iron is not specified, we furnish screens of special steel, which are somewhat heavier, stiffer and more durable. We recommend the steel in place of Russia iron screens.

#### Table for Punching Needle Slot Screens.

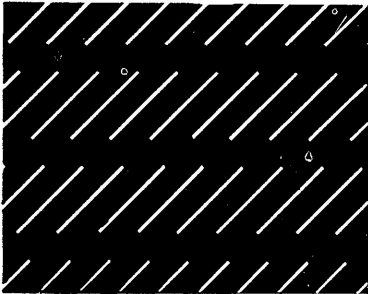
No.	Mesh.	Width of Slot.	Birmingham Gauge Steel.	Decimal of an Inch.	Weight per Sq. Foot.
1	12	.058	16	.065	2.642
2	14	.049	16	.065	2.652
3	16	.042	18	.049	1.992
4	18	.035	18	.049	1.992
5	20	.029	20	.035	1.423
6	25	.027	20	.035	1.423
7	30	.024	20	.035	1.423
8	35	.022	20	.035	1.423
9	40	.020	22	.028	1.138
10	50	.018	23	.025	1.016
11	55	.0165	23	.025	1.016
12	60	.015	24	.022	.894
13	70	.0135	24	.022	.894



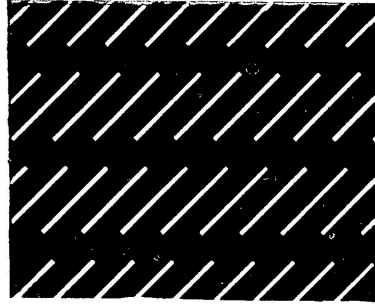
### Standard Needle Slot Screen Plates.



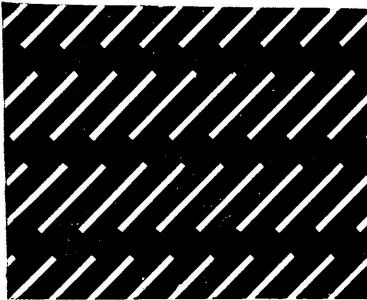
$\frac{1}{2}$  inch long, any width from .015 (60 mesh) to .058 (12 mesh.)



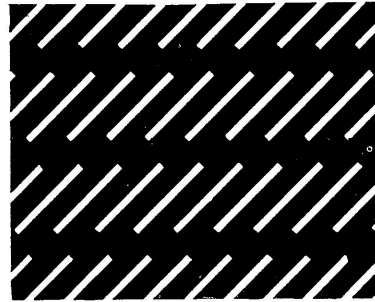
50 Mesh .018 Diagonal.



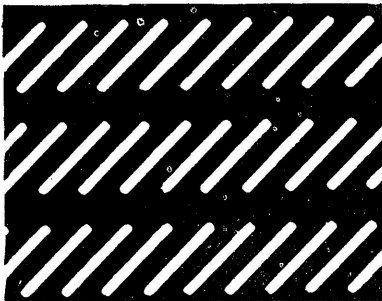
20 Mesh .029 Diagonal.



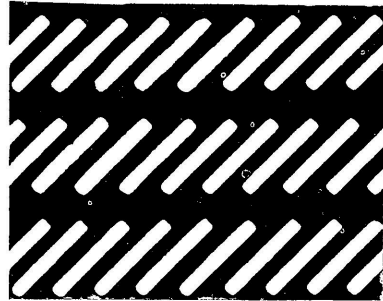
16 Mesh .042 inch Diagonal.



18 Mesh .035 inch Diagonal.



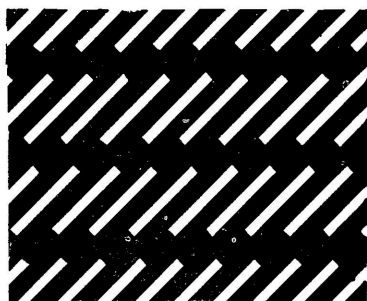
$\frac{3}{8}$  in. x  $\frac{1}{2}$  in. Diagonal.



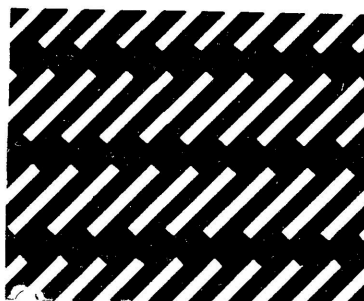
$\frac{1}{16}$  in. x  $\frac{1}{2}$  in. Diagonal.

Prices on Application.

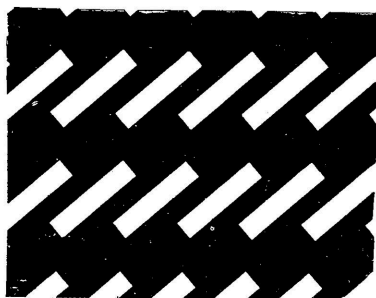
**Standard Needle Slot Screen Plates.**



14 Mesh .049 inch Diagonal.

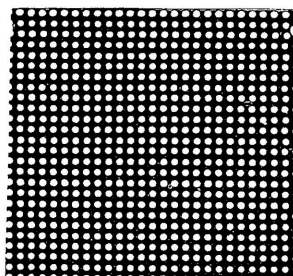


12 Mesh .058 inch Diagonal.

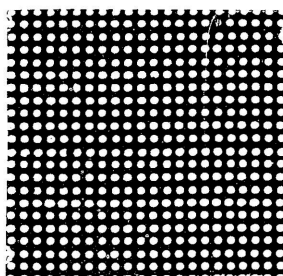


$\frac{1}{10}$  in. x  $\frac{1}{2}$  in. Diagonal Special.

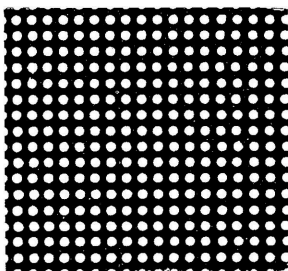
**Perforated Tin.**



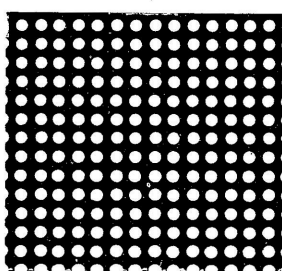
No. 1.



No. 2.



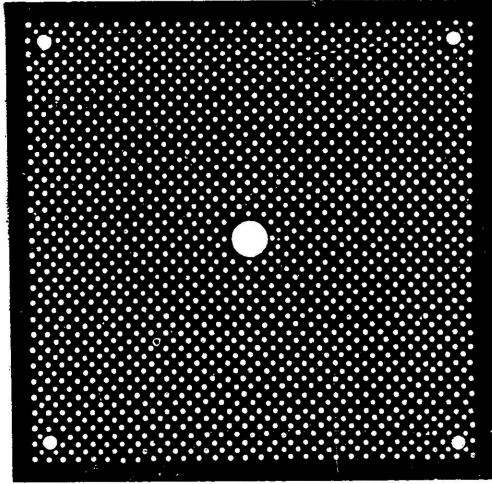
No. 3.



No. 4.

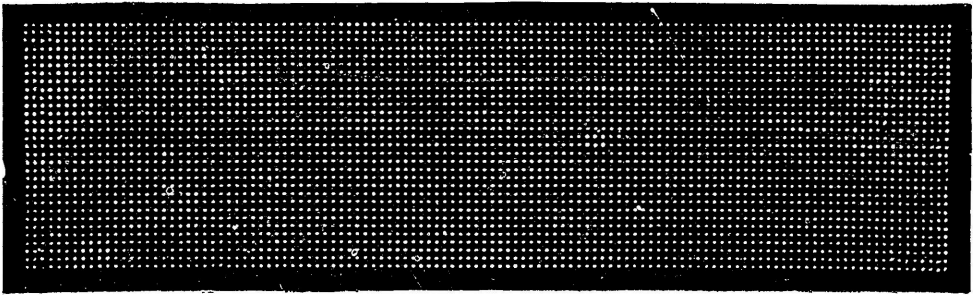
	Size of Sheets, 14 x 20 inches.				
Trade Nos. . . . .		1	2	3	4
No. of holes per lineal inch. . . . .		20	15	12	10
	Price per dozen Sheets, \$4.00.				

**Perforated.**

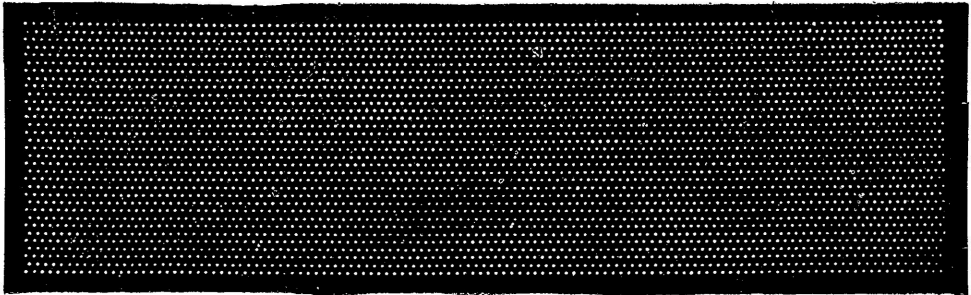


**FILTER PRESS PLATES.**

All sizes in any metal desired.



**O—CENTRIFUGAL LINING.**

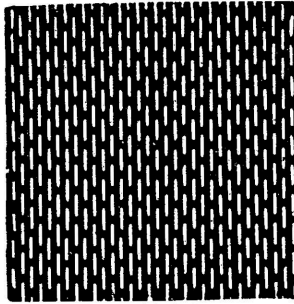


**OO—CENTRIFUGAL LINING.**

The above Cuts show Centrifugal Plates for Sugar Machines which can be made in any size.

### Slit-Shape Perforations.

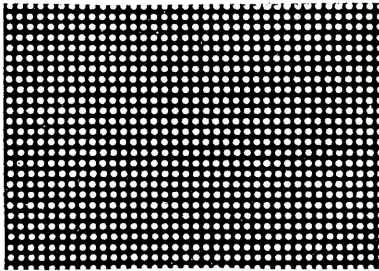
For Sugar Refineries, Cement Works and Grinding Mills.



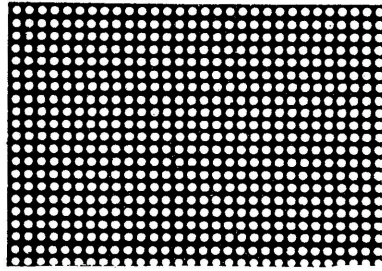
22—SLOT.

Prices on Application.

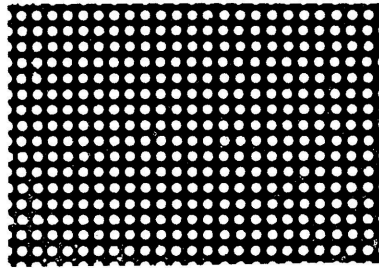
### Perforated Brass.



$\frac{1}{32}$  inch Diam. of Hole.



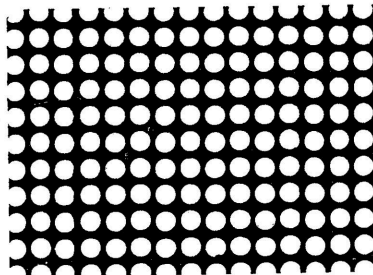
$\frac{1}{25}$  inch Diam. of Hole.



$\frac{1}{20}$  inch Diam. of Hole.

Made of No. 25 Gauge Sheet Brass, 14 inches wide, in any desired length.  
Price, 60c. per square foot.

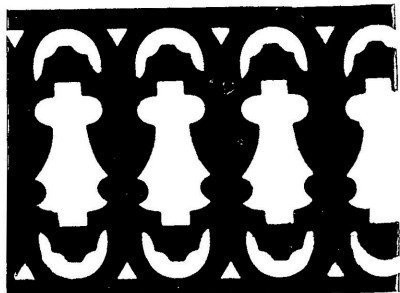
### Perforated Brass for Well Points.



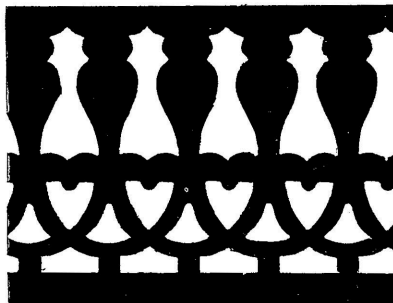
No. 172,  $1\frac{3}{8}$  inch Diam. of Hole.

Made of No. 25 Gauge Sheet Brass, 20 inches wide, in any desired length.  
Price, 60c. per square foot.

**Fancy Patterns for Silverware Manufacturers,  
Galleries, Etc.**

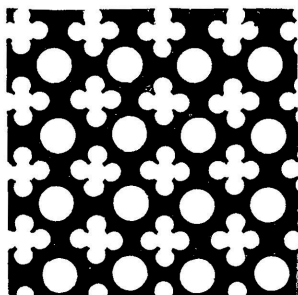


Pattern A.

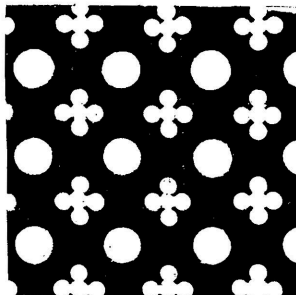


Pattern G.

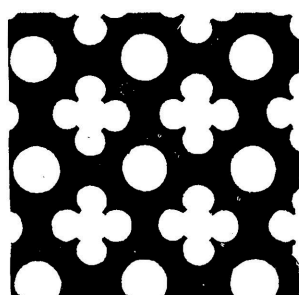
All forms of perforation can be executed in any kind of metal.



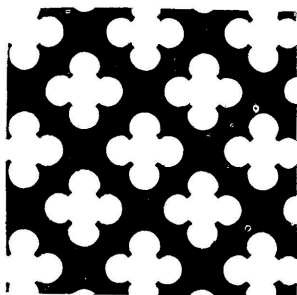
No. 100.



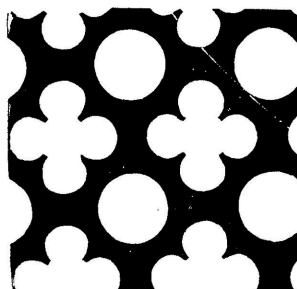
No. 101.



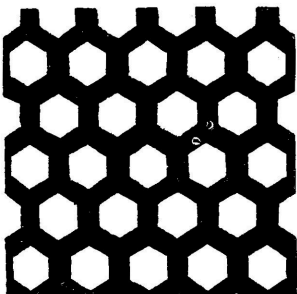
No. 102.



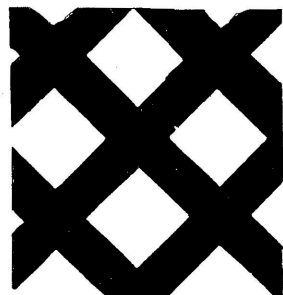
No. 103.



No. 104.



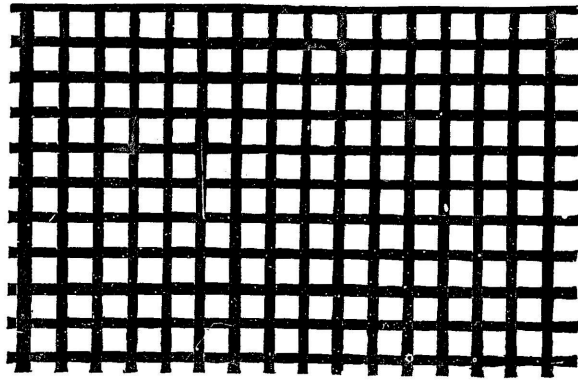
No. 105.



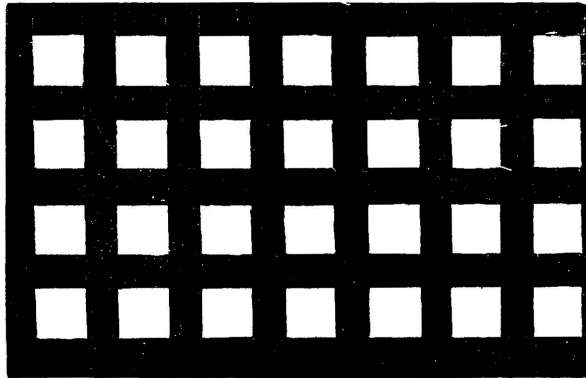
No. 106.

We are at your service and are always prepared to put our time against yours.  
We solicit your inquiries.

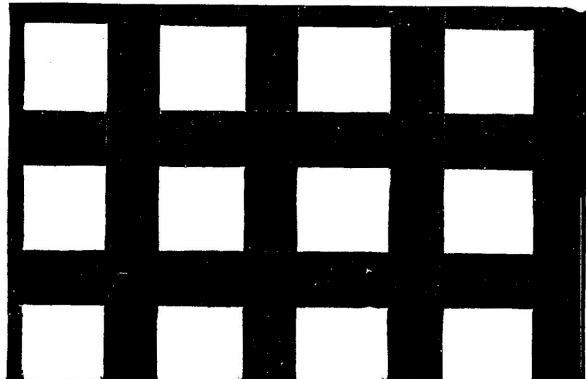
**Square Perforations—Can be made in any kind of Metal.**



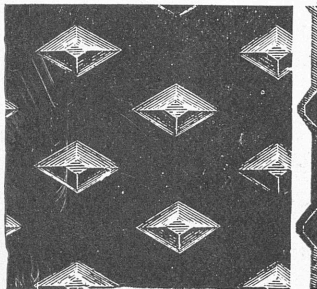
$\frac{1}{8}$  in. Square;  
 $\frac{1}{16}$  in. between centers.



$\frac{1}{4}$  in. Square;  
 $\frac{1}{8}$  in. between centers.



$\frac{1}{2}$  in. Square;  
 $\frac{3}{4}$  in. between centers.

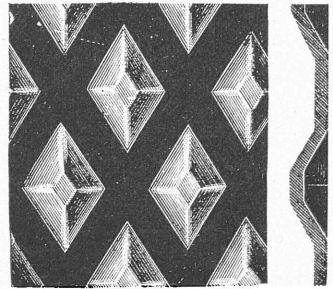


Pattern M.

**Embossed Plates.**

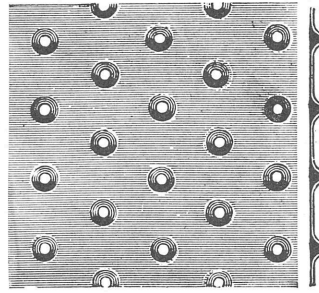
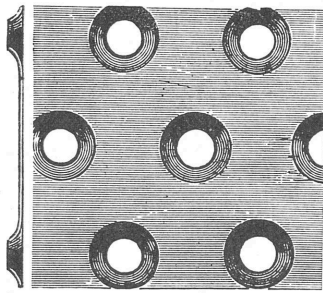
On embossed plates it is almost impossible for the foot to slip; they are easily cleaned, and do not hold water like chequered plates.

All descriptions of embossed plates supplied in brass or copper.



Pattern P.

**Oatmeal Sifter Plates.**



No. 5 Sifter Plate.

No. 16 Sifter Plate.

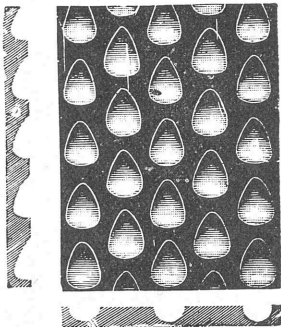
Trade No...	5	6	7	8	9	10	11	12	13	14	15	16
Size of Hole in Decimals of inch. . . . .	.212	.192	.176	.160	.144	.128	.116	.104	.092	.080	.072	.064

Price, 40c per square foot.

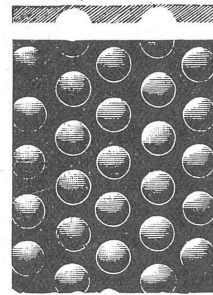
These Sifter Plates are made of Tinned Charcoal Iron. The numbers correspond with the numbers on the standard wire gauge. We stock all sizes in sheets, 6 feet x 2½ feet.

**Indented Zinc Plates**

For Grain Sorting and other machines.



No. 150.

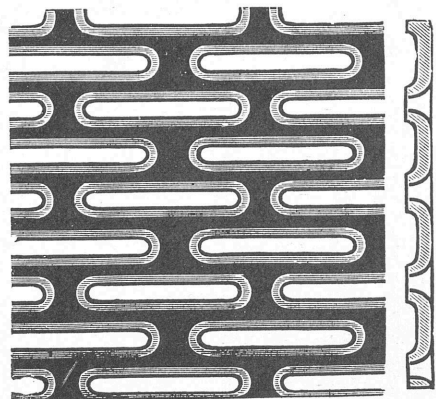
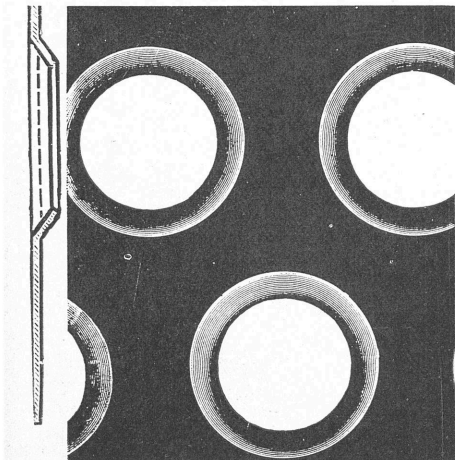


No. 160.

FULL SIZE.

**Countersunk Perforations**

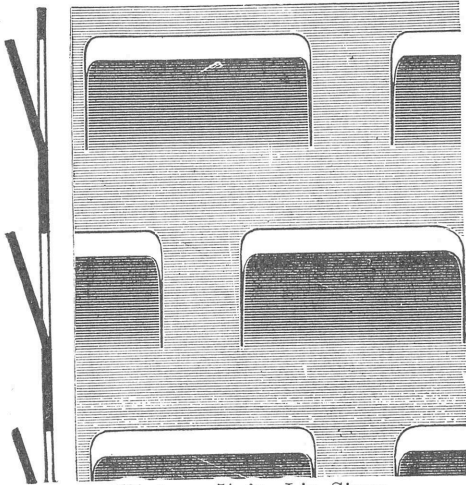
For all kinds of Agricultural Machinery.



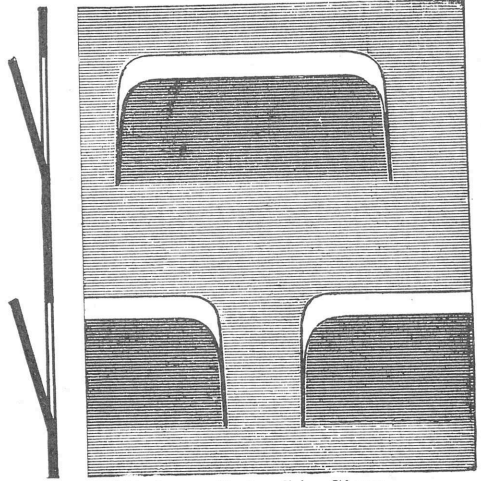
Prices on application

## Lip Sieves.

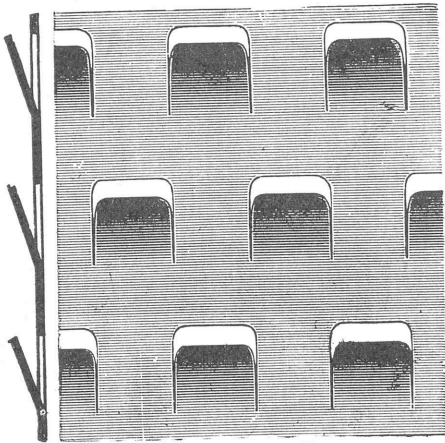
We can furnish any Standard Lip. With enquiry send us a sample.



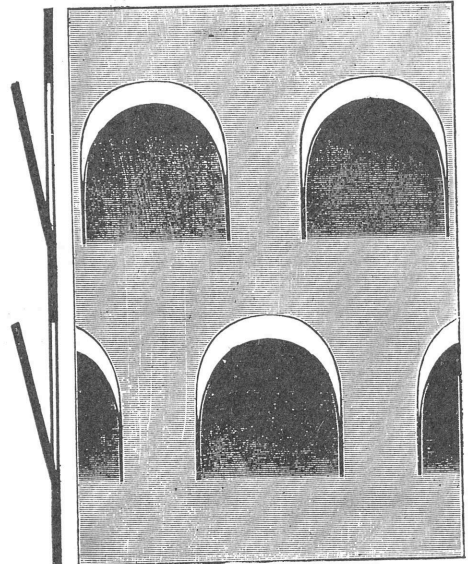
$1\frac{3}{8}$  in. x  $\frac{5}{8}$  in. Lip Sieve.



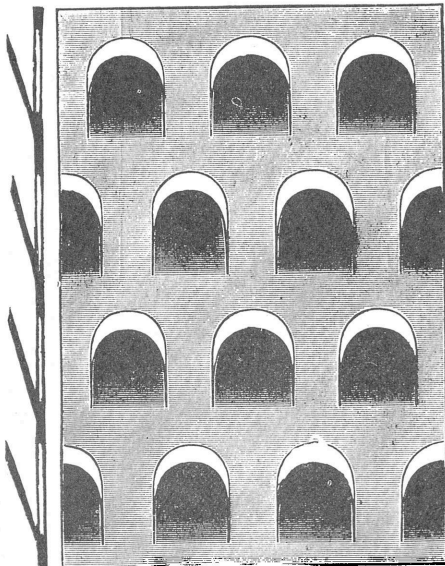
$1\frac{1}{8}$  in. x  $\frac{5}{8}$  in. Lip Sieve.



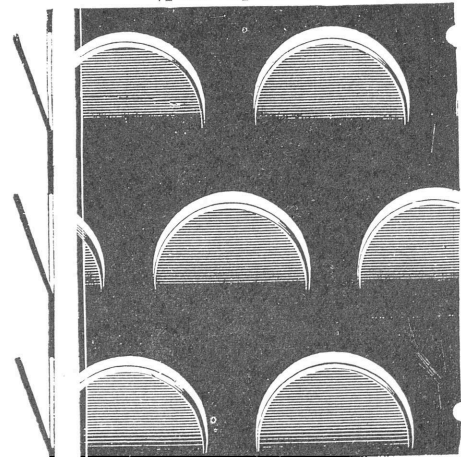
$\frac{7}{16}$  in. x  $\frac{3}{8}$  in. Lip Sieve.



$\frac{3}{4}$  in. Lip Sieve.



$\frac{3}{8}$  in. Lip Sieve.



$\frac{3}{4}$  in. Special Lip Sieve.



# Price List of Perforated Metals.

## Table of Prices of Perforated Sheet Zinc.

Diam. of Hole . . . .	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ to $1\frac{1}{2}$
No. Perforations.	0	1	2	3	4	5	6	7	8	9-33	
Price per sq. ft..	22c	20c	18c	16c	15c	14c	13c	12c	11c	10c	

NOTE.—Perforations 1 to 10 inclusive are out of 8 gauge zinc. Perforations No. 11 to 30 inclusive are out of 9 gauge zinc. and larger sizes are made from 10 gauge zinc.

Standard Hit and Miss Perforations  $\frac{3}{8}$  x  $\frac{1}{2}$  inch and larger are listed at 10c per square foot. Finer perforations quoted on application.

Triangular Hole . . . . .	Price 18c per square foot
Bee Zinc . . . . .	" 10c " "
Indented Zinc . . . . .	" 40c " "

## Perforated Tin.

(Page 54.)

Price per dozen Sheets, \$4.00.

## Lip Sieves made of 24 Gauge Sheet Iron.

Brass for Well Joints . . . . .	Price 14c per square foot
Galvanized Sheets . . . . .	" 18c " "

## Perforated Sheet Brass.

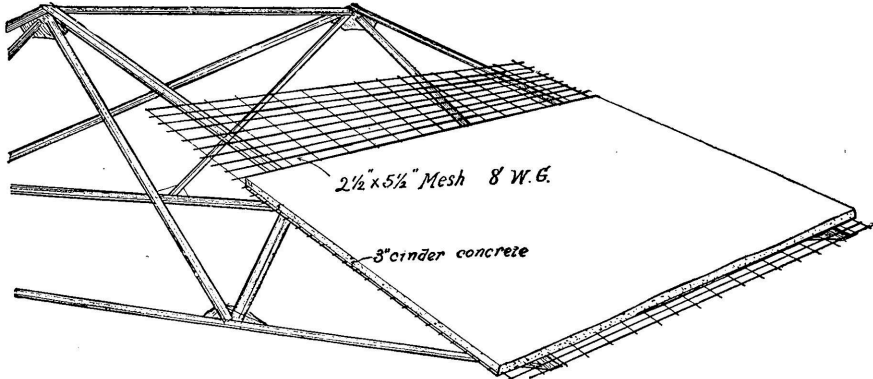
Diam. of hole . . . . .	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{1}{8}$	60c per square foot
Brass for Well Points . . . . .				60c " "

## Table of Prices of Perforated Sheet Steel.

Diam. of Hole	Gauge Nos.	3	4	5	6	8	10	12	14	16	18	20	22	24	26
$\frac{1}{2}$ in. and larger	Per sq. ft.	\$1.15	\$1.05	\$0.95	\$0.85	\$0.75	\$0.65	\$0.55	\$0.45	\$0.43	\$0.35	\$0.30	\$0.28	\$0.25	\$0.20
	$\frac{7}{16}$			.96	.86	.76	.66	.56	.46	.44	.36	.31	.29	.26	.21
	$\frac{5}{8}$			.97	.87	.77	.67	.57	.47	.45	.37	.32	.30	.27	.22
	$\frac{3}{4}$				.88	.78	.68	.58	.48	.46	.38	.33	.31	.28	.23
	$\frac{15}{16}$					.79	.69	.59	.49	.47	.39	.32	.32	.29	.24
	$\frac{1}{8}$						.70	.60	.50	.48	.40	.35	.33	.30	.25
	$\frac{1}{4}$							.61	.51	.49	.41	.36	.34	.31	.26
	$\frac{3}{8}$								.52	.50	.42	.37	.35	.32	.27
	$\frac{1}{2}$									.53	.43	.38	.36	.33	.28
	$\frac{3}{4}$										.44	.39	.37	.34	.29
	$\frac{15}{16}$											.40	.38	.35	.30
	$\frac{1}{8}$												.39	.36	.31
	$\frac{1}{4}$													.37	.32

These prices are for quantities not less than 24 square feet of the same diameter of hole. Less than 24 and more than 12 square feet, 25 per cent. advance. For larger and smaller quantities special prices will be quoted.

## Concrete Reinforcement.



### Crimped Steel Wire Bonding.

The many advantages of continuous reinforcements over the sectional systems are appreciated by all who have given this subject careful consideration, especially is this true in entire concrete structures or concrete beam or girder construction.

It is a fact admitted by our competitors that a series of concrete beams reinforced continuously over fixed supports will develop greater strength than similar series of beams reinforced by sectional materials. This is also true of flat arch floor construction whether the supporting beams and girders are of reinforced concrete or steel.

Continuous reinforcement can be laid at much less cost and entirely eliminate the danger so often resulting in the collapse of sectional materials.

The quality of the material used in the manufacture of our Continuous Reinforcement insures the highest results. Our wire is specially drawn, showing a very small percentage of elongation within the elastic limit. This will not only produce more rigid work, but floors, beams or girders properly reinforced with such material will show less deflection under a given load than in any other manner. We give below a table showing the tensile strength of stress wires only in one foot of the width of fabric spaced on the given centres.

Select a mesh and size of wire suitable to your requirements, giving quantity, when we shall be pleased to quote you prices.

It is considered good practice to use a bonding sufficiently strong to carry the desired weight without reference to the added strength of the concrete.

Wire Bonding is measured from centre to centre of wire.

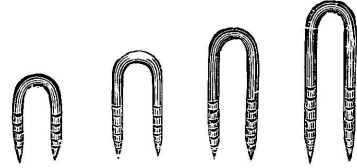
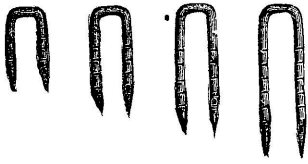
A factor of safety of ten should be observed.

Size on Wire Gauge	Diameter in Inches	Sectional Area in Sq. Inches	Weight per foot of One Wire	Tensile Strength of One Wire	Tensile strength of longitudinal wires only in one foot of the width of wire bonding when spaced as follows:				
					2 inch centres	2½ inch centres	3 inch centres	3½ inch centres	4 inch centres
3	.252	.0499	.164	3990	23940	19152	15960	13685	11970
4	.232	.0423	.139	3381	20286	16228	13524	11597	10143
5	.212	.0353	.116	2824	16944	13555	11209	9686	8472
6	.192	.0290	.095	2476	14856	11885	9904	8493	7428
7	.176	.0243	.080	2136	12816	10253	8544	7326	6408
8	.160	.0201	.066	1813	10878	8702	7252	6219	5439
9	.144	.0163	.054	1507	9042	7234	6028	5169	4521
10	.128	.0129	.045	1233	7398	5918	4932	4229	3699
11	.116	.0106	.035	1010	6060	4848	4040	3464	3030
12	.104	.0085	.028	810	4860	3888	3240	2778	2430

Transverse wires may be spaced on the following centres 2½, 4, 5½, 7, 8½ in.

# Steel Wire Staples.

## Coppered Steel.



## Barbed.

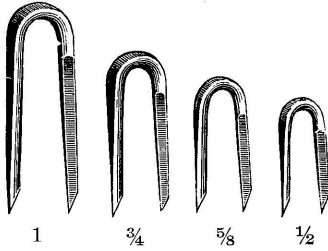
### Blind Staples.

Lengths, inches	3/8	1/2	5/8	3/4	7/8
10 lb. boxes	..\$17.00	16.00	15.00	14.50	14.00
100 lb. boxes	. 16.50	15.50	14.50	14.00	13.50

### Bed Staples.

Lengths, inches	5/8	3/4	7/8	1
10 lb. boxes	..\$10.00	9.75	9.50	9.00
100 lb. boxes	.. 10.00	9.25	9.00	8.50

Prices are per 100 lbs.



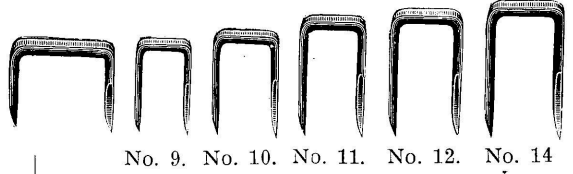
### Electricians' Staples.

Flat Wire—Order by length, inside measure

	3/8	1/2	5/8	3/4	7/8	1
	\$24.50	\$18.00	\$17.00	\$16.00	\$15.50	\$14.50

Prices are per 100 lbs.

25 and 50 lb. boxes 25c per 100 lbs. extra.  
10 lb. boxes 50c per 100 lbs. extra.



### Double-Pointed Steel Carpet Tacks.

Price per 100 lbs.

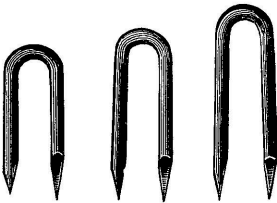
Nos.	9	10	11	12	14
	\$19.50	\$18.00	\$17.50	\$17.00	\$16.50

25 and 50 lb. boxes 25c per 100 lbs. extra.  
10 lb. boxes 50c per 100 lbs. extra.

Per dozen papers—

Nos.	9	10	11	12	14
	30c	32½c	35c	40c	46½c

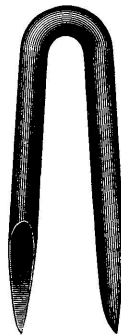
### Galvanized.



### Poultry Netting Staples.

Lengths, inches	5/8	3/4	7/8	1	1 1/8
All lengths	.. \$12.00 per 100 lbs.				
In 25 and 50 lb. boxes	.. 12.25				
In 10 lb. boxes	.. 12.50				

List Price for Bright, 50c. Less.



### Bright and Galvanized Fence Staples.

Sizes 1 1/4 to 2 inches.  
9 Gauge Wire.

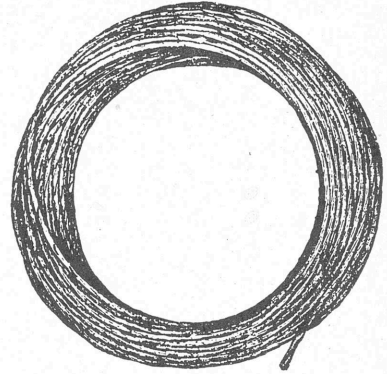
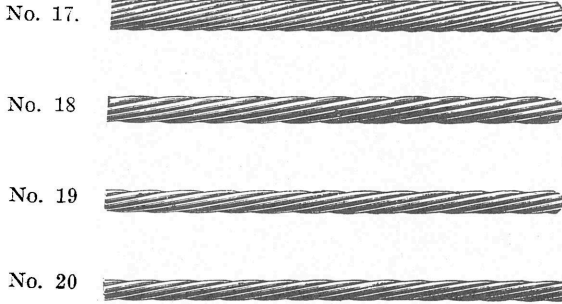
Bright, in 100 lb. kegs—Price on application.

Galvanized, in 100 lb. kegs—Price on application.

Packed in 25 or 50 lb. boxes, 25c per 100 lbs. extra.

Full Size  
1 1/2 x 9 Ge.

## Galvanized Clothes Line Wire.

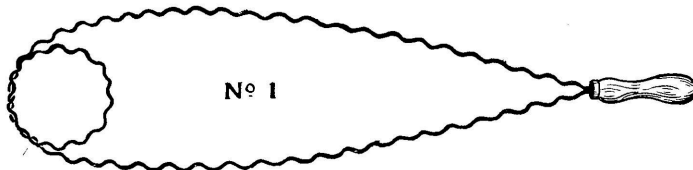


Gauge Wire.	No. Wires to Strand.	Weight per 1000 feet in lbs.	No. of 100 feet coils in barrel.	No. of 50 feet coils in barrel.
17	7	55	70	100
17	6	48	70	100
18	7	42	100	135
18	6	35	100	135
19	7	33	120	170
19	6	28	120	170
20	7	20	140	200

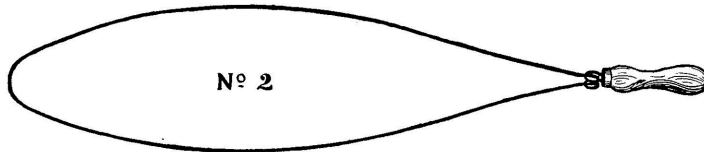
Weights and number of coils in barrel are approximate.

## Carpet or Upholstery Beaters.

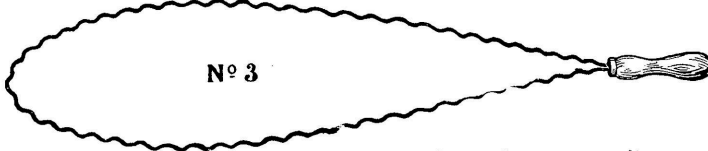
Made of Spring Steel Wire, Coppered.



Splendid Carpet Beater, nicely balanced, adapted for heavy work. Price per gross \$12.00.

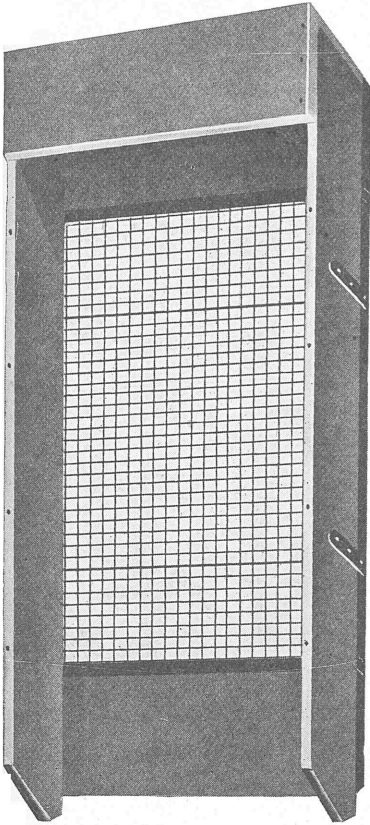


Our No. 2 has a coil near the handle, is perfectly\* balanced and easy on the wrist of the operator. Price per gross, \$10.50.



This is an excellent Beater for Carpets. Increasing sales proves its popularity. Price per gross, \$10.50.

Our whips the all secured into a wood handle with brass ferrule in such manner, making it impossible to work loose. Write for Discount.



## “X. L.” Coal and Gravel Screens.

Approximate weight 85 lbs.

Large Size, 79 inches by 34 inches . . . . . each \$8.00

Screening Surface, 4 feet 4 inches by  
31 inches.

Small Size, 70 inches by 30 inches . . . . . each \$6.50

Screening Surface, 3 feet 10 inches by  
26 inches.

## Coal Screen Bottoms.

Large Bottoms, 4 feet 8 inches by 34 inches,  $\frac{1}{4}$  to  $\frac{7}{8}$   
inch space . . . . . \$5.00

Coarser, \$5.75.

Small Bottoms, 4 feet 2 inches by 30 inches,  $\frac{1}{4}$  to  $\frac{7}{8}$   
inch space . . . . . \$3.50

Coarser, \$4.00.

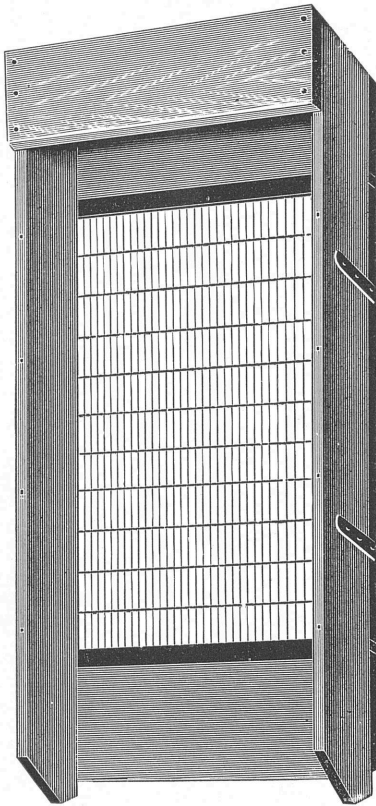
Special Sizes Made to Order.

The Wire used in “X. L.” Coal Screens is made of superior quality of hard steel drawn and tempered expressly for them. It is our aim to make as hard and rigid wire as possible, so the screen will wear long and not get out of shape. The Screening is an extra heavy grade, and woven with the wires double crimped, so that there is no chance of their slipping and forming irregular spaces. The advantage of having such a heavy cloth cannot be overestimated, as upon it depends the durability and usefulness of the Screens. A fabric made of soft or annealed wire, after a little use, will sag so as to form a channel in the middle of the Screen, which the coal will follow in a mass instead of spreading over the whole surface. Hence the entire wear will be borne by a small portion of the wire, and the coal will not be so thoroughly cleaned.

Our “X. L.” Screens have a cleat secured on the back at the top so they can be rested on a board.

- 3/16 in. space for Brickmakers Dust.
- 1/4 “ “ Cleaning Pea Coal.
- 3/8 “ “ Cleaning Nut Coal.
- 1/2 “ “ Cleaning Nut or No. 4 Coal
- 5/8 “ “ Cleaning Stove Coal.
- 3/4 “ “ Cleaning Coarse Stove and Small Egg Coal.
- 1 “ “ Taking Fine Coal out of Stove Coal.

- 1 1/4 inch space for Taking Nut out of Stove Coal.
- 1 1/2 “ “ Taking Nut out of Stove or Egg Coal.
- 1 3/4 “ “ Taking Stone out of Egg Coal.
- 2, 2 1/4, 2 1/2 inch space, Furnace and Large Egg, also for Coke, Cinders and Soft Coal.



## Contractors' Sand Screen.

Strong and Durable.

Approximate weight 75 lbs.

Standard mesh, 2 in. x  $\frac{1}{4}$  in. between wires.  
No. 10 gauge.

Large Size, 79 inches x 34 inches . . . . each \$6 00  
Small " 70 " 30 " . . . . " 5 00

We can supply Renewal Bottoms for both sizes promptly.

Large Bottoms, 56 inches x 34 inches . . . each \$3 75  
Small " 50 " 30 " . . . " 2 85

Other meshes made to order, 50 cents extra.

The wire used in our Sand Screens is made of superior quality of Hard Steel drawn and tempered expressly for them. It is our aim to secure as hard and rigid wire as possible, so the Screen will wear long and not get out of shape.

We guarantee our screen to cut more sand in a given time than any other screen on the market. The frame is cut from A1 stock and is very strongly constructed.

Our screens have a cleat secured on the back at the top so they can be rested on a board.

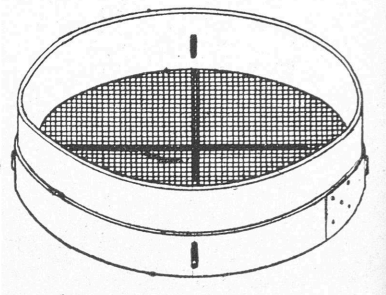
## Contractors' Hand Sieves.

Hardwood Rims, 18 inch diameter.

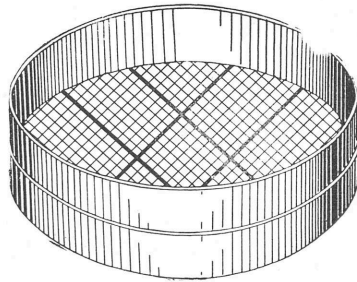
2 to 16 Mesh . . . . . Per doz. \$6 00

Standard Meshes, 4, 6, 8, 10 and 12.

Write for Discount.



# Foundry Supplies.



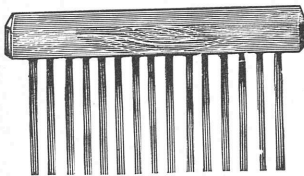
## Foundry Riddles, Elm Rims.

Nos. 2 to 16 Mesh.

Steel and Iron, 18 inch diameter . . . . .	Per doz.	\$ 9 00
Galvanized (before weaving) . . . . .	"	10 50
Brass . . . . .	"	15 00

Price of 16 inch Riddles on application.

## Steel Wire Brushes.

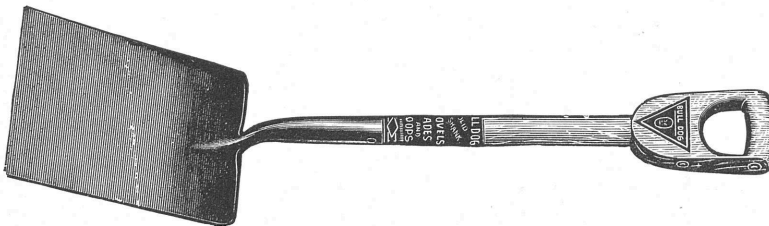


2-Row Steel Wire Brushes . . . . .	Per doz.	\$4 50
4-Row " " " Standard . . . . .	"	5 00
5-Row " " " . . . . .	"	6 00
4-Row " " " with handles . . . . .	"	6 00
5-Row " " " . . . . .	"	7 00

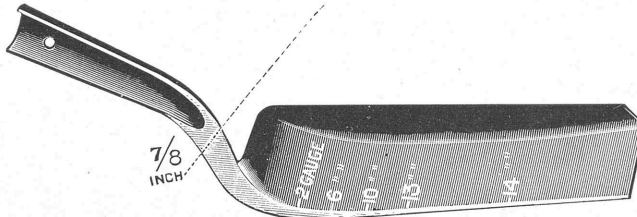
2 and 4-Row Brushes 3½ inch, and 5-Row 4½ inch clear of the block.

## Moulders' Shovels.

Blade and Socket forged from one piece of solid cast steel, thick centre, tempered and hardened. Extra selected quality ash handle.



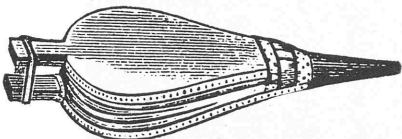
Bull Dog D Handle, Square Point.



Sectional View of Square Point.

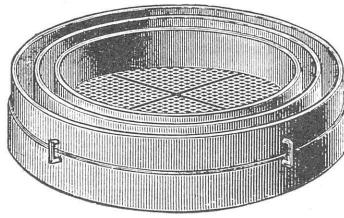
No. 2, 9¾ inches x 11¾ inches, Black, \$19.00; Polished, \$19.50 per doz.

## Spring Bellows.



Metal hinge, standard 9 inch . . . . . Dozen \$14 00  
 Best on the market. Great capacity. Equal to any 10 inch.

Write for Discount.



**Flour Sieves.**

Three in a Nest.  
Size 11, 12 and 13 inches  
diameter.

No. 18, Tinned .. Per doz \$1.75

**Druggists' Sieves.**

Best Quality Wood Rims, Brass Wire.

Nos. . . . .	20 to 60	70	80	90	100
10 inch . . . . .	\$12 50	\$14 50	\$18 00	\$21 50	\$25 00
11 inch . . . . .	14 50	17 00	21 00	25 00	30 00
12 inch . . . . .	17 00	20 00	24 00	30 00	36 00
13 inch . . . . .	20 00	23 00	27 00	33 00	39 00

These Sieves are made with heavy brass cloth and will be found superior to most of the Sieves on the market. Finer meshes made to order.

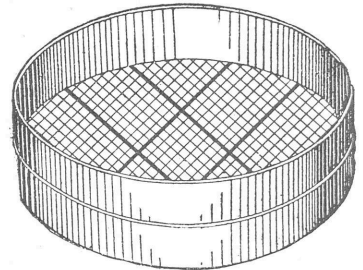
**Farmers' Seed Sieves.**

Hardwood Rims. 18 inch diameter.

NOTE—In ordering Riddles (all kinds) always give the number which indicates the number of openings to an inch.

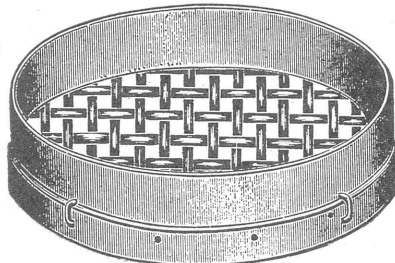
This is the ordinary grade sold by the hardware trade, and the different sizes are used for these purposes:

- No. 2, for Gravel.
- No. 3, for Beans and Coarse Sand.
- No. 4, for Corn and Masons' Sand.
- Nos. 5 and 6, for Fine Sand.
- No. 8, for Wheat, Rye, Barley and Masons' use.
- Nos. 10 and 12, for White Mortar and Putty.
- Nos. 14, 16, 18, 20 and 24, for Bakers' and Confectioners' Use and Special Work.
- No. 16, for Brickmakers' use.  
2 to 24 Mesh, per dozen \$6.00.



**Extra Heavy Foundry and Miners' Riddles.**

½ doz. in a package. Extra heavy Elm Rims. Steel Wire.



Diam. 18 inches. Stock numbers, ½, ⅝, ¾, ⅞, 1, 1¼, 1½ inches. List price \$16.00 per dozen



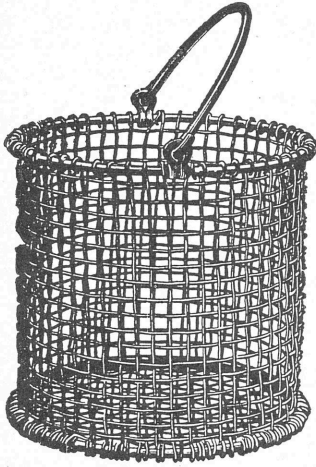
## Wire Baskets.

### STEEL AND BRASS WIRE DIPPING BASKETS.

Used for Plating and Cleaning purposes; made with handles.

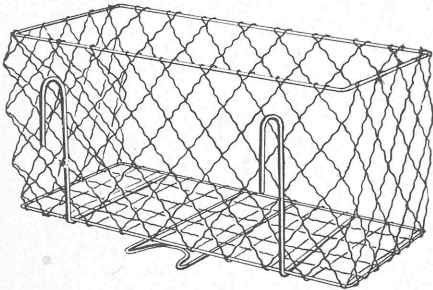
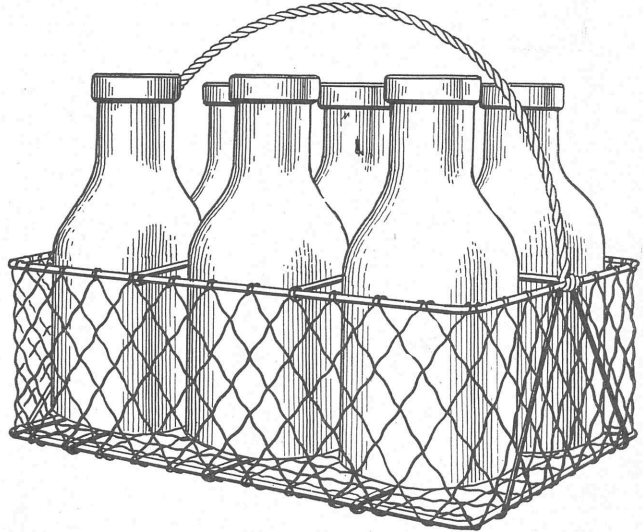
Diameter . . . . .	6 inch.	7 inch.	8 inch.	10 inch.	12 inch.
Deep. . . . .	6 "	7 "	8 "	10 "	12 "
Brass, per dozen..	\$40 00	\$43 00	\$45 00	\$50 00	\$60 00
Steel, " . . . . .	24 00	26 00	27 00	30 00	36 00

Special baskets for any purpose made to order.



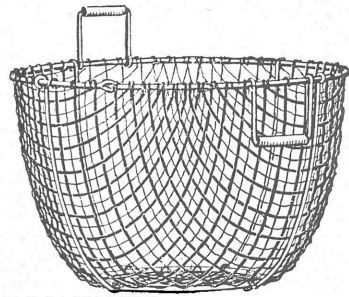
**STRONG MILK BOTTLE CARRIER.**

Six Quarts. Tinned Wire.  
Per dozen, \$14.00.



**BICYCLE BASKET.**

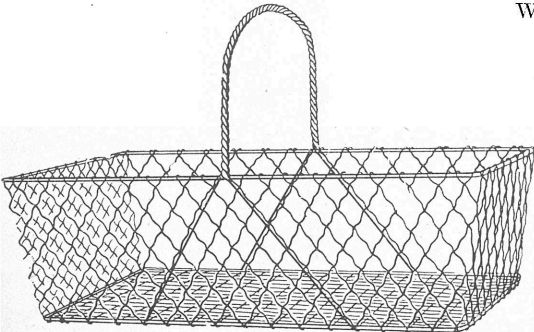
No. 1, 18 x 9 x 9 inches. . . . . each \$1 00  
No. 2, 16 x 8 x 8 inches. . . . . each 85  
Most convenient attachment for newspaper boys and provision men.



**RE-GALVANIZED ROOT BASKET.**

Half bushel, 15 in. diam . . . . .	per doz.	\$8 00
One " 18 " . . . . .	"	12 00
1½ " 22 " . . . . .	"	16 00

We can supply a 2-bushel size at \$19.00 per doz.



**BREAD BASKET.**

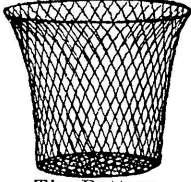
13 in. x 20 in. x 6 in. deep.

Fitted with wooden strips on bottom.

Price each, \$2.00.

"Describe the need, we can furnish."

## Wire Baskets—Continued.



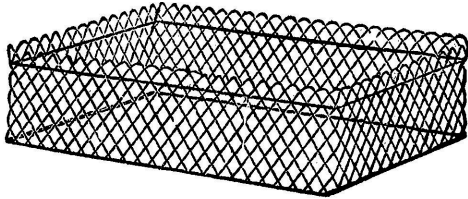
Tin Bottoms.

### WASTE PAPER BASKETS.

Extra Strong and Durable. 14 Gauge Tinned Wire.

No. 1,	15 inches high,	12 inches diameter	. . . . .	Per dozen	\$9 00
" 2,	18 " " 15 " "	" " " " " " " " " "	" " " " " " " " " "	" "	10 00
" 3,	21 " " 18 " "	" " " " " " " " " "	" " " " " " " " " "	" "	11 00

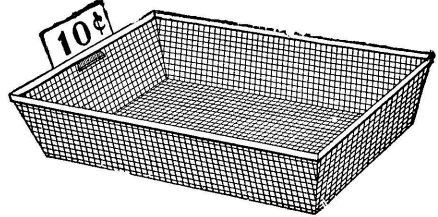
### CORRESPONDENCE BASKETS.



Size, 9½ x 14 x 4 inches deep, per doz. \$8.50

### COUNTER BASKETS.

For Displaying Goods... With Sign-Holder Attachment.



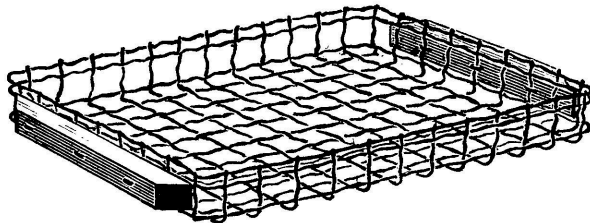
Size, 9 x 13½ inches... Per doz. \$3.00



### WIRE LETTER BOX.

12 inches high x 9 inches wide x 7 inches deep	. . . . .	each	\$1 20
Without Back or Lid	. . . . .	"	75

### CANNERS' WIRE CARRYING TRAY.

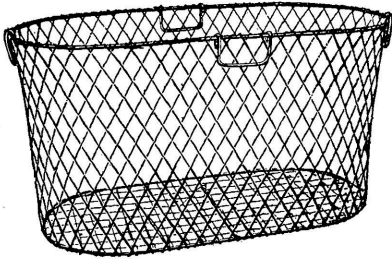


								Capacity.	Price Each.
No. 10,	14 inches long,	11 inches wide,	2½ inches deep	. . . . .	1 doz.	2 lb. tins		40c	
" 11,	18 " " 13 " "	" " " " " " " " " "	2½ " " " " " " " " " "	" " " " " " " " " "	1 " 3 "	" "	50c		
" 12,	23 " " 15½ " "	" " " " " " " " " "	2½ " " " " " " " " " "	" " " " " " " " " "	2 " 2 "	" "	60c		

Measurements are inside the trays. Special sizes made to order.

Write for Discounts.

### Wire Fish and Brewers' Chip Baskets.



These baskets are made of 2-inch diamond mesh, No. 10 Wire, with a 3/8-inch round iron frame, with four handles, and are galvanized after being made, which solders each joint and crossing, making them strong and durable, also non-rustable.

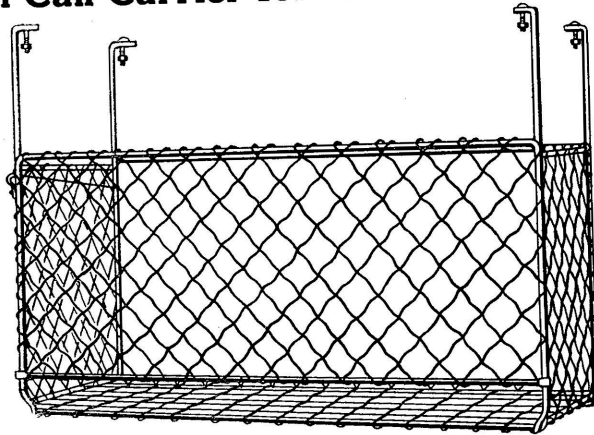
They are principally used by brewers as chip baskets and will outlast the ordinary common baskets a great many times.

The same style of basket is also used by fish dealers, and is made of 1 1/4-inch mesh, No. 10 wire, with two handles, instead of four, otherwise the same.

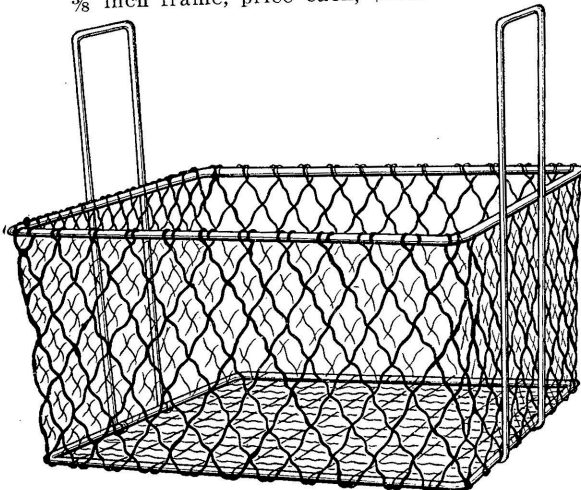
Chip Basket,	48 inches long,	24 inches wide,	24 inches high	.. . . .	each	\$10 00
Fish " "	41 " "	" " 18 " "	" " 12 " "	.. . . .	" "	8 00
" " "	28 " "	" " 18 " "	" " 12 " "	.. . . .	" "	6 00

We make to order any desired size basket.

### Oil Can Carrier for Grocers' Wagon.



Standard size 26 inches wide, 13 inches deep, 21 inches high. Complete with Bolts and Chain Snaps. 3/8 inch frame, price each, \$3.25. 1/2 inch frame, price each, \$4.50.



### Heavy Potato Boiling Basket.

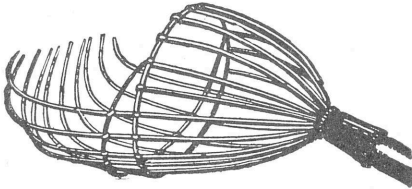
RE-GALVANIZED

For Hotel and Club use this is a great labor saver.

Size 14 x 14 x 8 inches deep.

Price each, \$2.50.

### Fruit Pickers.



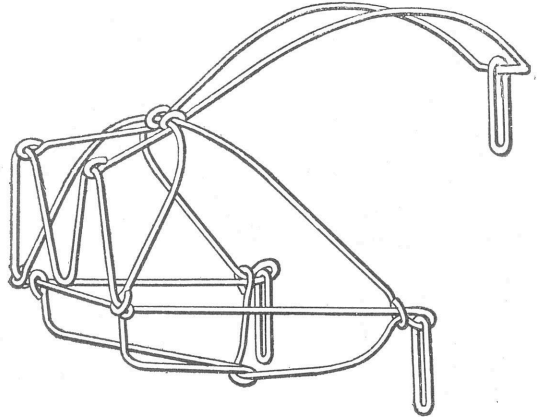
Made of heavy steel wire, very strong, for gathering apples, peaches, pears, etc.

Tinned after being made.

Made to adjust to pole.

Per dozen \$4.00.

### Humane Dog Muzzle.

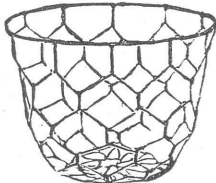


MADE IN SEVEN SIZES.

Nos. 1, 2, 3 and 4 . . . . . \$2.50 per dozen  
 Nos. 5, 6 and 7 . . . . . \$2.75 per dozen

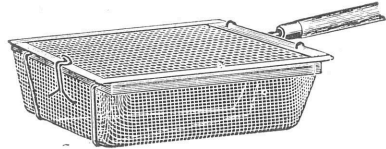
These Muzzles are constructed in such a manner as to permit the animal to yawn and drink at pleasure.

### Horse or Ox Muzzle.

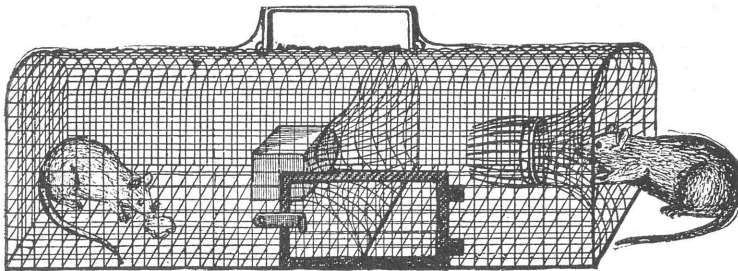


Tinned after being made . . Per doz. \$1 50  
 Weight per gross, packed, 75 lbs.

### Corn Poppers, Stained Handle.



1 quart, wire lid . . . . . Per doz. \$1 40  
 2 quart, wire lid . . . . . " 2 20



### The "X. L." Rat Trap.

Made of Regalvanized Wire Cloth. "Indestructible."

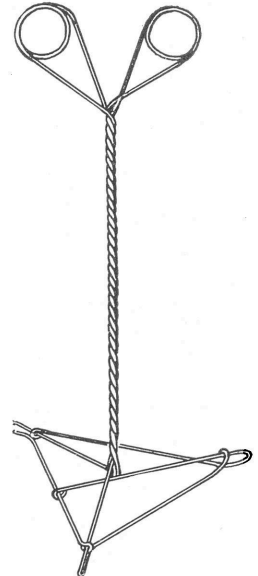
Galvanized wire, weight per dozen 15 lbs.

Per dozen . . . . . \$12 00

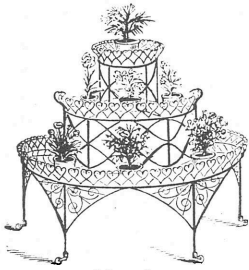
### Ticket Stand.

Coppered Wire.

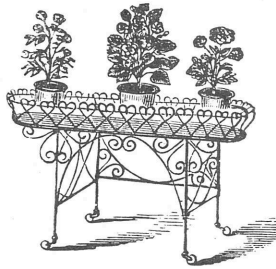
6 inch to 12 inch high . . . . . Per doz. \$1 00  
 15 inch to 18 inch high . . . . . " 1 30



# FLOWER STANDS



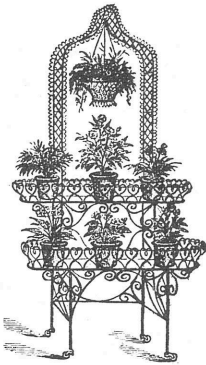
No. 2.



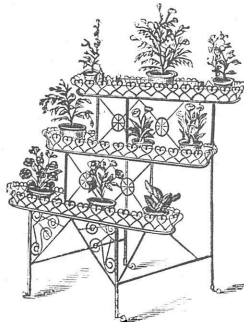
No. 3.



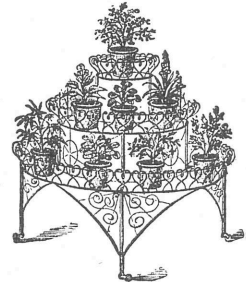
No. 4.



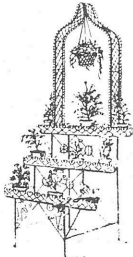
No. 5.



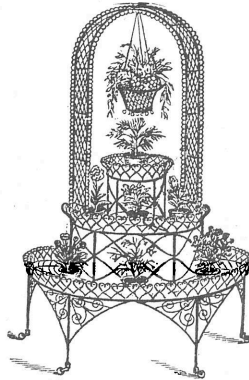
No. 6.



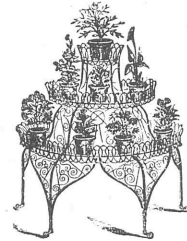
No. 7.



No. 8.



No. 9.



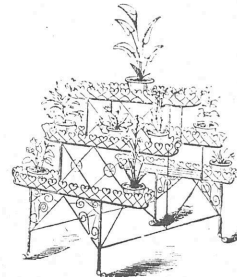
No. 10.



No. 12.



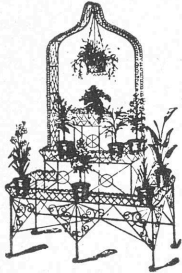
No. 11.



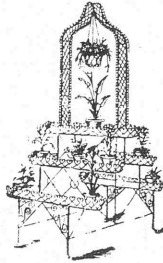
No. 14.

Price List on following page.

**Flower Stands—Continued.**



No. 15.



No. 19.



No. 20.



No. 30.

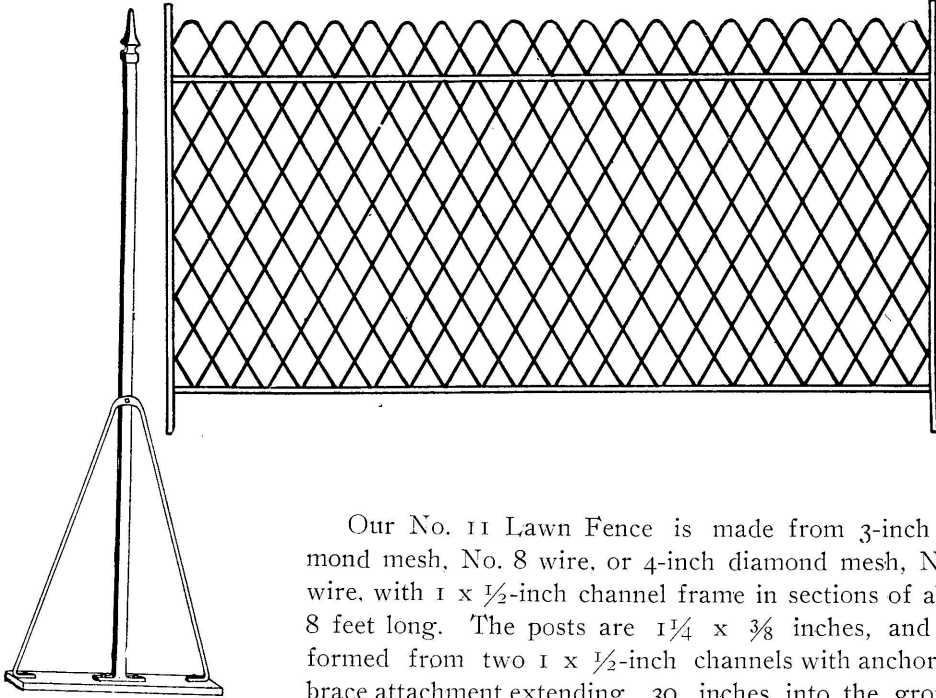


No. 31.

**PRICE LIST OF FLOWER STANDS.**

No.	Height	Width	Depth	Price	
No. 2	—3 feet 6 inches high,	4 feet wide,	30 inches deep	\$5 75	
3A—2	“ 6	“ 3	“ 12	“ 2 75	
3B—3	“ 6	“ 3-6	“ 12	“ 3 00	
4 —2	“ 8	“ 3	“ 18	“ 3 50	
5A—5	“ 3	“ 3	“ 18	“ 5 25	
5B—5	“ 3	“ 3	round arch	“ 5 00	
6 —3	“ 0	“ 3	27 inches deep	“ 5 00	
8A—6	“ 6	“ 3	“ 27	“ 6 50	
8B—6	“ 6	“ 3	“ 27	round arch	“ 6 25
9 —6	“ 4	“ 4	“ 30	“ 7 00	
10 —3	“ 8	“ 4	“ 32	“ 7 50	
11 —6	“ 6	“ 4	“ 32	“ 9 00	
7A—3	“ 6	“ 3	“ 24	“ 3 75	
7B—3	“ 6	“ 3-6	“ 24	“ 4 25	
12A—6	“ 3	“ 3	“ 24	“ 5 25	
12B—6	“ 3	“ 2-6	“ 24	“ 5 50	
14 —3	“ 6	“ 3	“ 46	“ 8 50	
15 —6	“ 7	“ 3-10	“ 30	“ 10 00	
19 —6	“ 9	“ 4-7	“ 20	“ 10 00	
20 —3	“ 6	“ 3-10	“ 30	“ 8 25	
30 —4	“ 6	“ 3-6 diameter, revolving	“	“ 12 00	
31 —3	“ 8	“ 2-4	“	“ 6 75	

## Lawn Fencing and Garden Wire Work

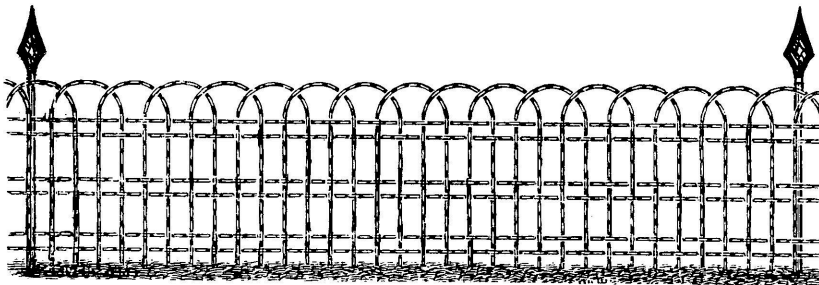


Our No. 11 Lawn Fence is made from 3-inch diamond mesh, No. 8 wire, or 4-inch diamond mesh, No. 6 wire, with 1 x 1/2-inch channel frame in sections of about 8 feet long. The posts are 1 1/4 x 3/8 inches, and are formed from two 1 x 1/2-inch channels with anchor and brace attachment extending 30 inches into the ground.

Painted dark green. The standard height is 36 inches; other heights made to order.

Price, per lineal foot, 36 inches high . . . . .	\$1 50
Single gates extra, in addition to cost per lineal foot when measured in with fence..	5 00
Double gates extra, in addition to cost per lineal foot when measured in with fence..	10 00
Posts, extra, each.. . . . .	3 00

## Garden Bordering—No. 1.



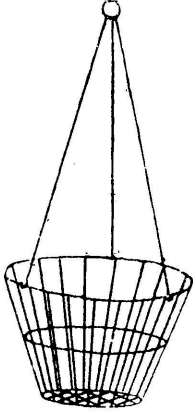
12 inches high, per lineal foot . . . . .	10 cents
18 inches high, per lineal foot . . . . .	12 "

Posts as shown in cut. 20 cents each extra.

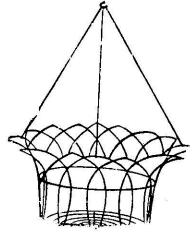
Made of No. 10 gauge Hard Steel Wire, painted green.

18 inches is the most desirable height. Put up in 100 foot rolls.

## Hanging Baskets.



No. 9, Plain.  
12 inch diameter.



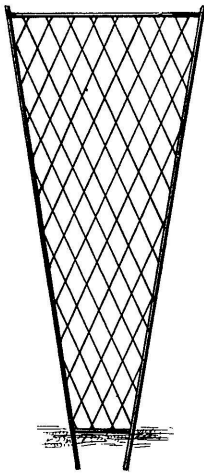
No. 6, Gothic.  
12 inch diameter.



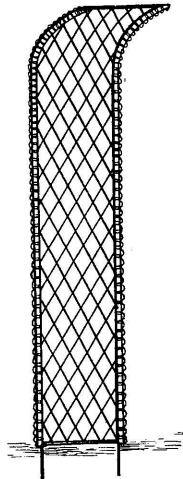
Scroll Border.  
12 inch diameter.

No. 6—12 inch diameter . . . . .		15c each
“ 4—12 “ . . . . .		25c “
“ 8—15 “ . . . . .	same design as No. 4, heavy . . . . .	50c “
“ 9—12 “ . . . . .	plain . . . . .	25c “

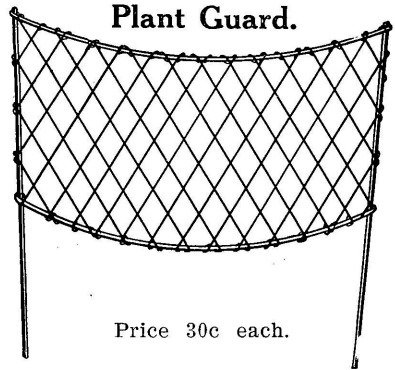
## Trellises.



Trellis No. 3.



Trellis No. 2.

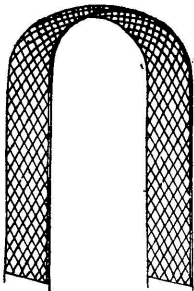


Plant Guard.

Price 30c each.

No. 2C—12 feet high, 36 inches wide . . . . .		Each \$2 00
“ 3 —12 feet high, 15 inches at bottom, 5 feet at top . . . . .		“ 3 00
“ 2A—12 feet high, 18 inches wide . . . . .		“ 1 25
“ 2B—12 feet high, 24 inch wide . . . . .		“ 1 50

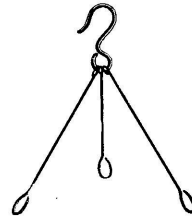
## Garden Arch.



Garden Arch No. 1.

No. 1—8 feet high, 4 feet wide, 18 inches deep, ½ in. iron frame, 3 inch mesh . . . . . \$7 50

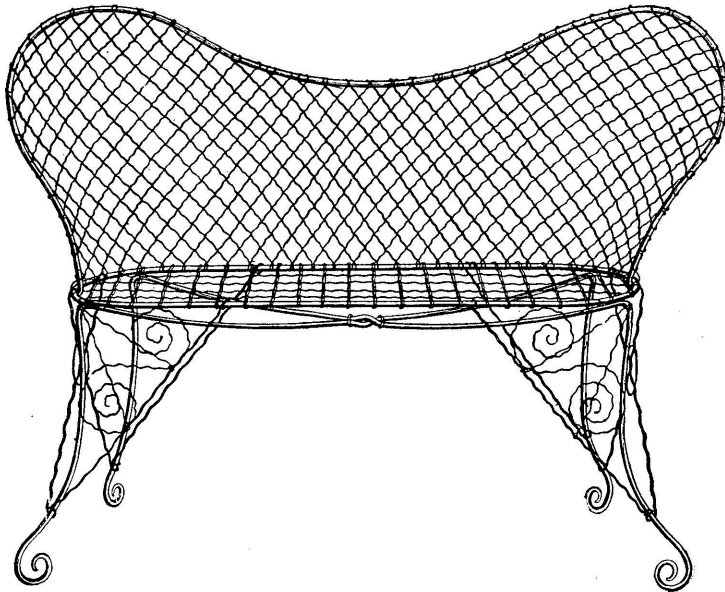
## Earthenware Basket Hangers.



Price, 30c dozen.



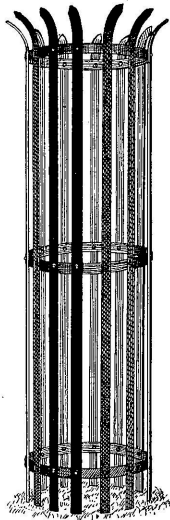
### Wire Chairs and Settees



**No. 1 Settee (for Two)**

Price, each . . . . . \$10 00

### Wrought Iron Tree Guards



**Style No. 1.**

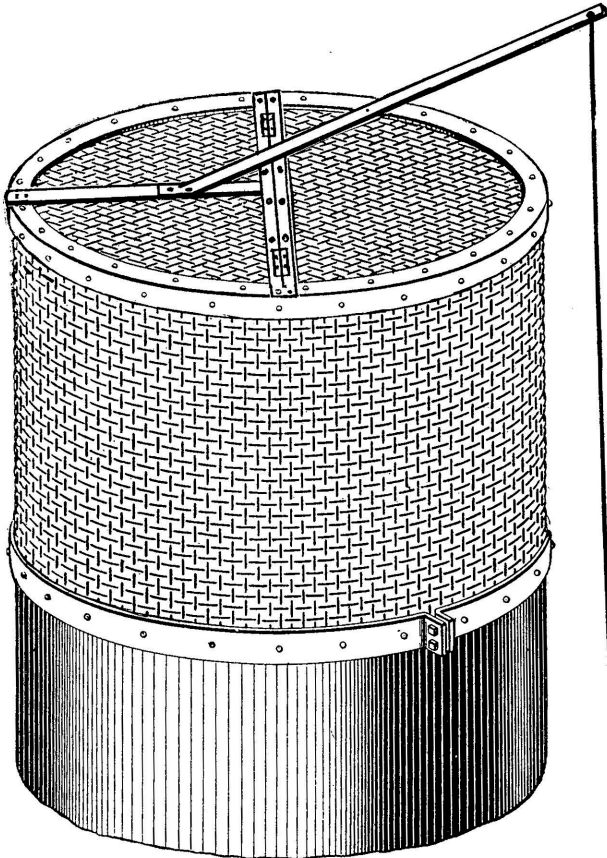
This guard is 6 feet high from the ground. Four vertical bars extend into the ground. Standard diameter, 12 inches.

Made in two sections to bolt together, very easily adjusted.

These Tree Guards are highly ornamental, combining strength and durability. First cost only need be considered.

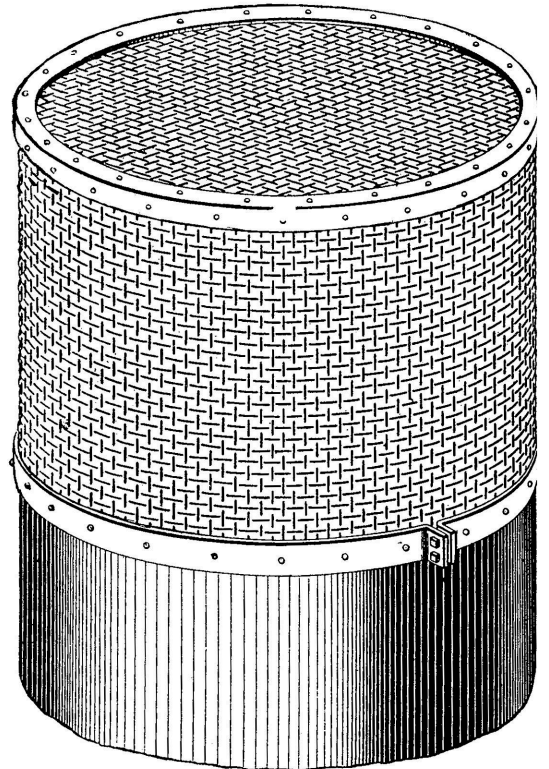
Price, each . . . . . \$3 50

## Spark Arresters.



No. 1.

HINGED LID AND LEVER.

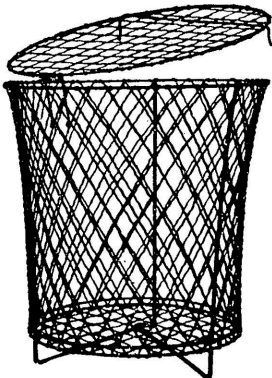


No. 2.

STATIONARY.

Operation of lever acts as a hammer. A few pulls on wire rope clears meshes of soot. Adjustment by means of clamps.

Prices on application. With inquiry give outside diameter of stack.

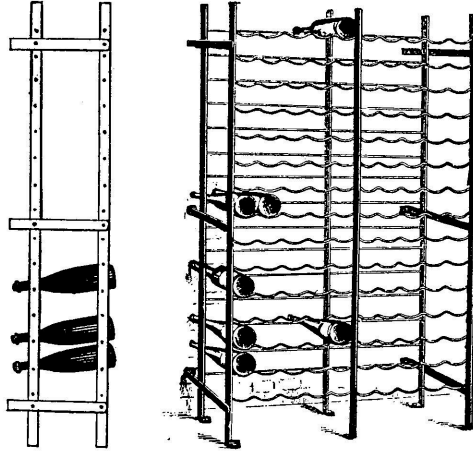


## Trash Burner.

There is a good demand for a good Trash Burner. Our Burner is the "best thing" for the purpose ever put on the market. The mesh is close enough so that no fire brands can fly through and set fire to the surrounding buildings.

Prices on application.

## Wine Racks.



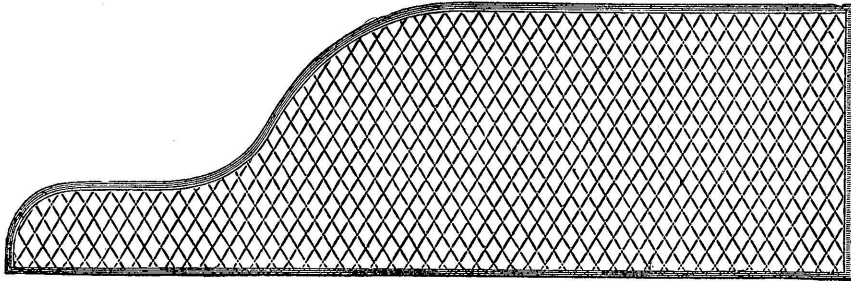
Pattern No. 161—Single Wine Rack, 66 inches high by 40 inches wide.

### PRICES.

Single Racks, 10 in. deep, 150 qts. . . . .	\$15 00 each
Double " 17 " 300 " . . . . .	25 00 "
" with back and doors to lock. . . . .	40 00 "

Estimates for Racking vaults made upon specification.  
Knocked down for shipment.

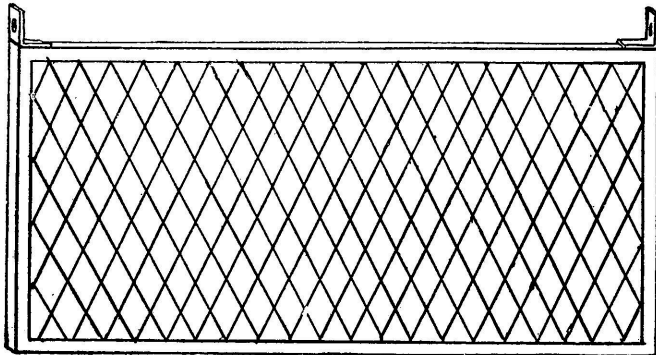
## Stall Partitions.



No. 11—1 inch channel frame, 2 inch diamond mesh, No. 8 gauge, 6 feet long by 2 feet high, list price each \$6.25.

No. 12—Same size and shape as above, but frame is 5/8 inch round iron instead of channel, list price each \$4.50. Special sizes made to order.

### Stall Partitions, No. 25.



List price of No. 25. Stall Partitions same as Nos. 11 and 12.

# Ornamental Wire and Iron Work

**Our Motto: "If It's Made of Wire, We Make It."**

**Describe Your Need. We Can Furnish.**

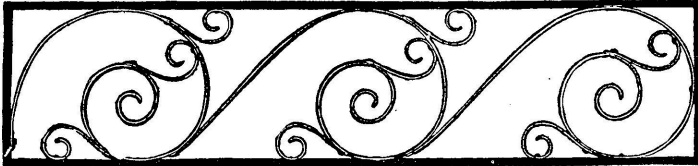
We take pleasure in illustrating on the following pages designs of floor and counter railings and partitions for banks and offices, wire guards, grilles, wickets, etc.

The various designs of railings and grilles used in banks and offices are so numerous that we can only illustrate a few of our standard designs. We are prepared to quote on any design submitted with specification.

In special work of this nature, we find it impossible in many cases to place a satisfactory price, and in justice to our patrons and ourselves we will quote net prices upon receipt of plans and specification and full information.

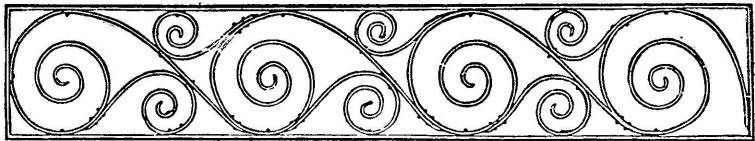
Correspondence is invited with the view of furnishing any information not herein contained, with the assurance that inquiries will receive our prompt attention.

Any lines enumerated in our Index and referred to on this page we shall be glad to submit designs with our prices. Inquiries solicited.



**Grille No. 100.**

**Grille No. 101.**



**We Have Many Other Designs.**

**Send for Floral Catalogue.**

**We carry a good stock of Funeral Designs.**

Please bear in mind we are in a position to make up anything special in the nature of Wire Goods. **NOTHING TOO LARGE OR SMALL.**

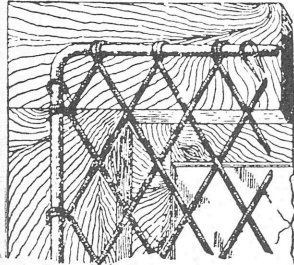
## Wire Window Guards—Directions for Measuring and Ordering.

**Round Frame Guards**—In measuring take exact size of opening to be covered, then add two inches to width and height, so as to include lap for stapling or fastening to window frame. Unless otherwise specified, we will understand that guards are to be fastened with staples. Wire eyes for screws will be put on without extra charge, if desired.

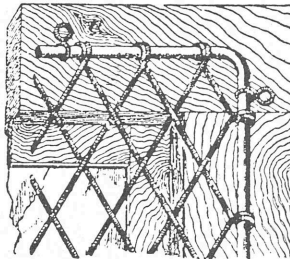
Screw holes in light frames a source of weakness.

**Channel Frame Guards**—Measure exact size of opening guards are to fit. Channel frame guards are made to set in window frame so as to be even with the edge and then fastened with screws. Screw holes will be put in channel frames.

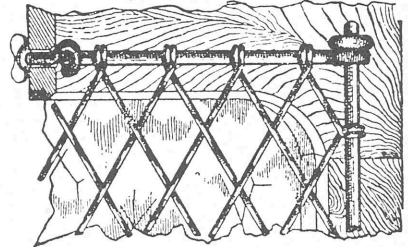
**General Directions**—In ordering give exact size of guards when finished, outside to outside. State which is width and which is height, giving width first, so that diamond meshes will show right. Be particular to give exact measurements, as guards once made cannot be altered. In ordering Gothic, Circle Top or Irregular Shaped Guards it is best to send diagrams with measurements marked thereon, with radius of circle or arc, if any. Irregular shape guards charged extra. No guard figured less than six square feet. Round rod frames of  $\frac{1}{4}$  inch material. Channel frames of  $\frac{3}{4}$  inch material. For  $\frac{3}{8}$  inch round frame add 3c per square foot to list. For price list see pages 83 and 84.



With Staple.

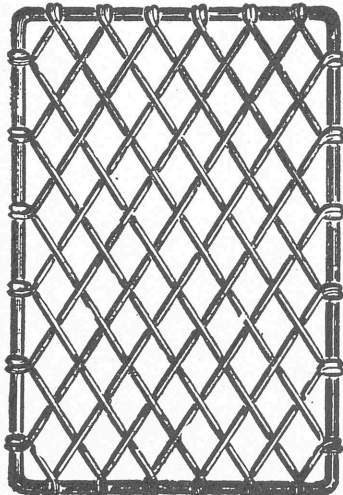


With Wire Eye for Screw.

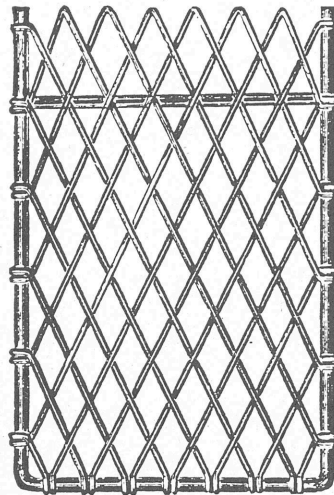


Hook Bolt with Thumb Nut.

The usual method of fastening Round Frame Window Guards is with staples. Where it is desirable to remove guards to wash glass, Wire Eyes will be put on if ordered. Thumb Bolts can be used with either round or channel frame guards. Channel Frame Guards are fastened to inside edge of window frame with screws. An extra charge of 10 cents each will be made for Hook Bolts, specify number. Extra charge for very small and irregular shaped guards. In estimating cost of guards multiply greatest height by greatest width. All our Crimped Wire Window Guards are shipped painted, ready to put up.



No. 1 Wire Window Guard.

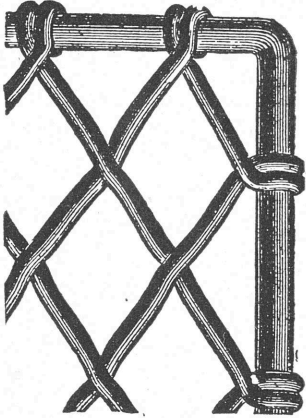


No. 2 Wire Window Guard.

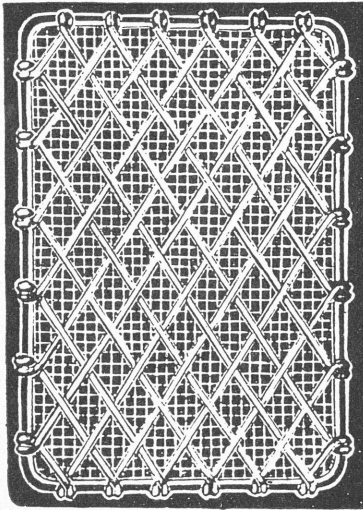
For Windows of Hotels, Private Residences, Schools, etc., intended to cover the entire window.

Showing a finished or gothic top, suitable for Store Windows, Doors, etc. Not intended to cover the entire window.

### Wire Window Guards.

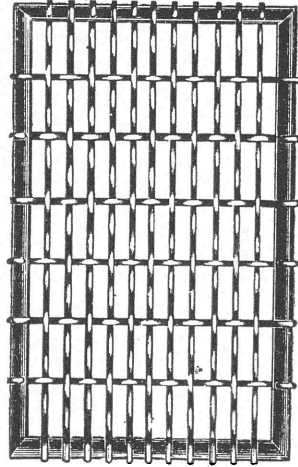


This cut shows how our No. 1, 2 and 4 Crimped Wire Window Guards with round iron frames are made and how the wire is secured to them.



No. 4 Wire Window Guard.

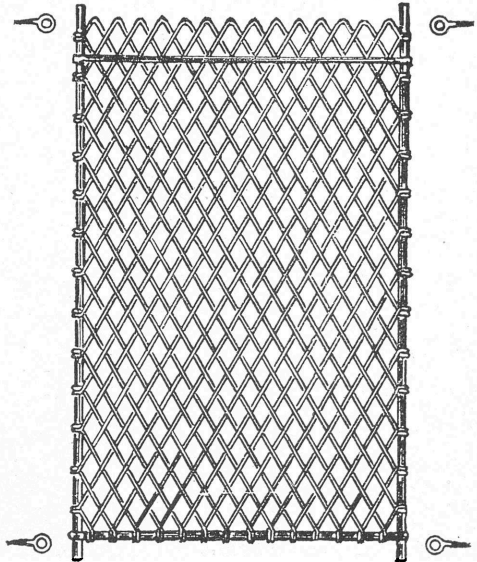
This combined guard and screen answers a double purpose. It not only protects the glass and keeps out burglars, but it keeps out rats, mice, bugs, flies, insects, etc., and every cellar, basement, kitchen and barn window should be covered with it.



No. 3 Wire Window Guard.

Oblong mesh. These guards can be made with square, gothic or round top.

With Round Iron Frame Border Top.



The illustration above shows our Removable Wire Guard, which is generally used on store fronts and doors. Is made from  $1\frac{1}{4}$  inch diamond mesh, No. 11 wire, or  $1\frac{1}{2}$  inch diamond mesh, No. 10 wire, with  $\frac{5}{16}$  or  $\frac{3}{8}$  in. round iron frame, which is allowed to project above and below the height of guard, so as to slip through the screw eyes on the top, and drop through the same at the bottom, which hold the guard in place, making them convenient to remove at will to wash the windows. They can also be provided with staple and clip at the bottom to lock, if desired.

### Crimped Wire Window Guards.

Price List of Nos. 1, 2, 3 and 4.

Diamond Mesh.	Gauge.	Cents per Sq. Foot.	Diamond Mesh.	Gauge.	Cents per Sq. Foot.
3/4	15	\$0 25	1 1/2	12	\$0 22
3/4	14	30	1 1/2	11	25
3/4	13	33	1 1/2	10	28
3/4	12	35	1 1/2	9	33
1	14	20	1 3/4	11	20
1	13	23	1 3/4	10	23
1	12	28	1 3/4	9	28
1	11	33	1 3/4	8	33
1 1/4	13	20	2	11	20
1 1/4	12	23	2	10	23
1 1/4	11	28	2	9	28
1 1/4	10	33	2	8	33
			2	6	45

Long Mesh.	Gauge.	Cents per Sq. Foot.	Long Mesh.	Gauge.	Cents per Sq. Foot.
1 1/2 x 1/4	10	\$0 48	1 3/4 x 1/2	10	\$0 35
1 1/2 x 1/4	11	42	1 3/4 x 1/2	11	30
1 1/2 x 1/4	12	36	1 3/4 x 1/2	12	25
1 1/2 x 1/4	13	33	1 3/4 x 1/2	13	22
1 1/2 x 1/4	14	30	1 3/4 x 1/2	14	19
1 1/4 x 3/8	10	44	2 x 1/4	10	41
1 1/4 x 3/8	11	39	2 x 1/4	11	38
1 1/4 x 3/8	12	34	2 x 1/4	12	31
1 1/4 x 3/8	13	30	2 x 1/4	13	28
1 1/4 x 3/8	14	25	2 x 1/4	14	24
1 1/2 x 1/2	10	39	2 x 3/8	10	38
1 1/2 x 1/2	11	38	2 x 3/8	11	35
1 1/2 x 1/2	12	31	2 x 3/8	12	28
1 1/2 x 1/2	13	27	2 x 3/8	13	25
1 1/2 x 1/2	14	24	2 x 3/8	14	21
1 1/2 x 5/8	10	38	2 x 1/2	10	35
1 1/2 x 5/8	11	33	2 x 1/2	11	31
1 1/2 x 5/8	12	27	2 x 1/2	12	25
1 1/2 x 5/8	13	25	2 x 1/2	13	23
1 1/2 x 5/8	14	22	2 x 1/2	14	19

Hook Bolts, 10c each.

Screw holes in light frames a source of weakness.

Standard frame 1/4 inch diameter. Style No. 4 lined with fine wire cloth adds 6c per square foot to above list. Guard work 15 inch and less in height adds 50 per cent. to list. No guards figured less than 6 square feet. Irregular shapes will be charged extra. When hook bolts are required specify thickness of wood.

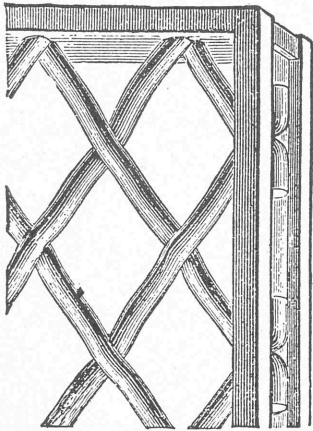
3/8 inch frame, add 3c per square foot to list.

1/2 inch frame, add 5c per square foot to list.

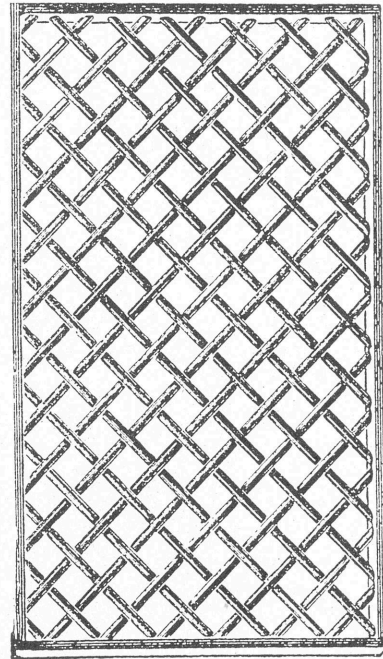
5/8 inch frame, add 8c per square foot to list.

Write for Discount.

## Heavy Window Guards, Channel Iron Frame



This cut shows how the wire is secured in our Channel Iron Frame Guards, making this class of work very strong and secure. The best and most desirable way to attach these guards to the window is to screw them to the window jamb.



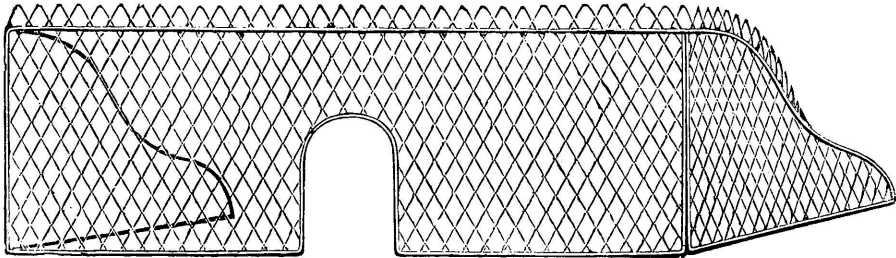
### Price List of Window Guards, Channel Iron Frame.

Mesh.	Gauge	Cents per square foot.	Mesh.	Gauge.	Cents per square foot.
1	13	\$0 60	1 3/4	7	\$0 68
1	12	63	1 3/4	6	75
1	11	65	2	9	60
1	10	68	2	8	63
1 1/4	12	60	2	7	65
1 1/4	11	63	2	6	68
1 1/4	10	65	2	5	75
1 1/4	9	68	2	4	81
1 1/4	8	75	2 1/2	8	60
1 1/2	11	60	2 1/2	7	63
1 1/2	10	63	2 1/2	6	65
1 1/2	9	65	2 1/2	5	68
1 1/2	8	68	2 1/2	4	75
1 1/2	7	75	3	7	60
1 1/2	6	81	3	6	63
1 3/4	10	60	3	5	65
1 3/4	9	63	3	4	68
1 3/4	8	65	3	3	75

No guard figured less than 6 square ft. Curved and irregular shapes will be charged extra. Rosettes, 5 cents per square foot extra. Always state which measurement is the height. Write for Discount.



**Desk and Counter Railings.**



Style No. 50.

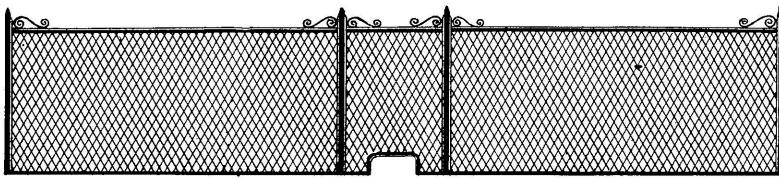
Made of 1 1/4 inch mesh, No. 12 Wire, 3/8 round steel frame.

18 inches high	30c per square foot
24 " "	28c " "
30 " "	25c " "

Extra for Cash Openings, large 75c, small 50c; O. G. Ends, 50c extra;; Square Return Ends, 30c extra, above lineal measure.

This style of rail with border top, as shown in the cut, is especially adapted for retail stores, offices, etc. When bronzed solid it presents a fine appearance.

NOTE—Unless otherwise ordered all our office rails are painted maroon. We can "solid" gold bronze them at an additional cost of 10c per square foot.



Style No. 55.

This railing is a plain pattern, does not obstruct the light and air like glass and heavy iron railings, and when painted and bronzed with gold it is very neat and attractive. The frame is made of grooved or channel iron 3/4 inch x 3/8 inch, which is fastened to the counter with screws; into this frame is set 1 1/4 inch mesh heavy diamond wire work, made out of No. 12 wire.

In ordering, send sketch showing a plan of the railing, and be particular to give all the dimensions correctly, location of cash holes, sizes of the same, etc., to save delay in writing for this information.

20 inches high	per square foot	\$0 65
24 " "	" "	0 57
30 " "	" "	0 52
36 " "	" "	0 48

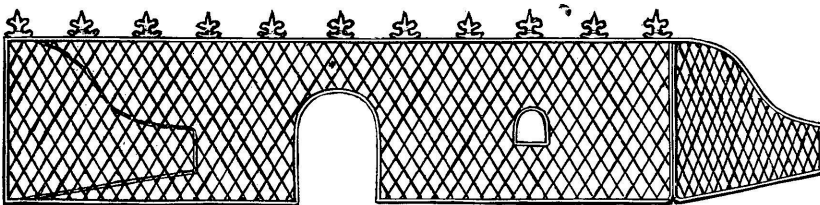
**Extras.**

Pickets on top	per lineal foot	\$0 20
Cash Hole	each	2 00
Cash Hole, with door	"	3 75
Square Steel Posts	"	2 00
O. G. Ends	"	2 00
Square Return Ends	"	1 25

Panels measuring less than 8 square feet, 25 per cent. advance.

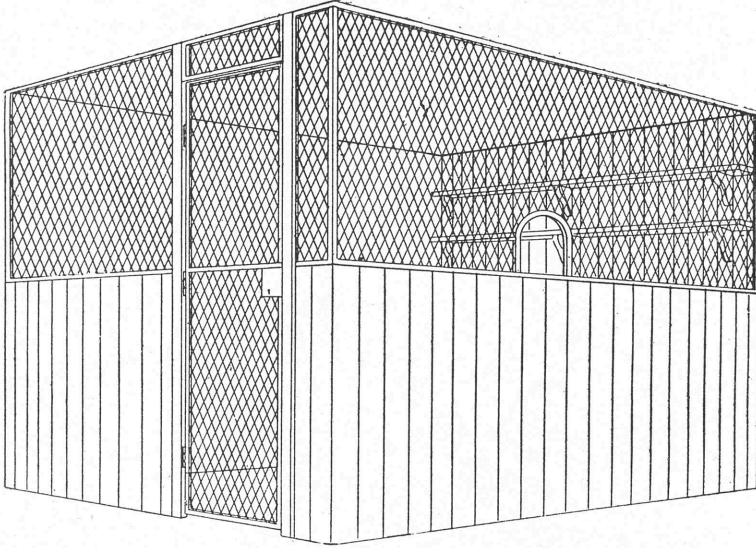
Panels measuring less than 5 square feet, 50 per cent. advance.

Write for Discount.



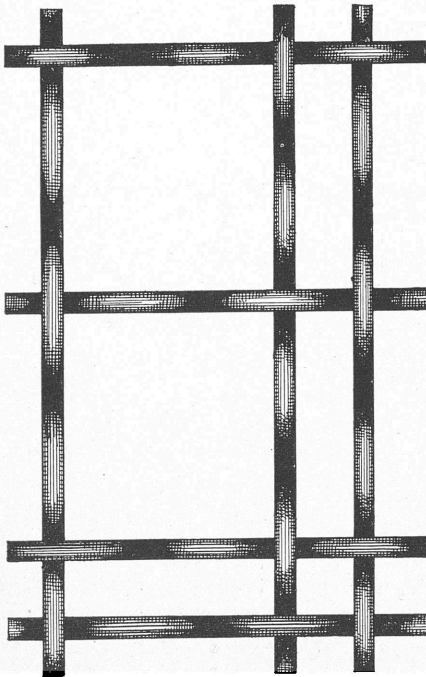
Style No. 60 (Channel Iron Frame). Takes same List and Extras as Style No. 55.

## Tool Room Enclosures and Floor Railings.



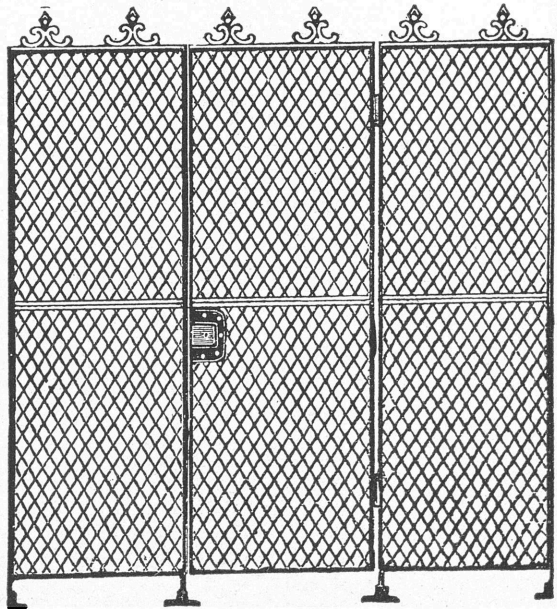
**Diamond Mesh Enclosure.**

With or without Frame, the latter to be used with Wooden Frame Work.



1¼ in. Mesh No. 10 Hard Steel Wire.

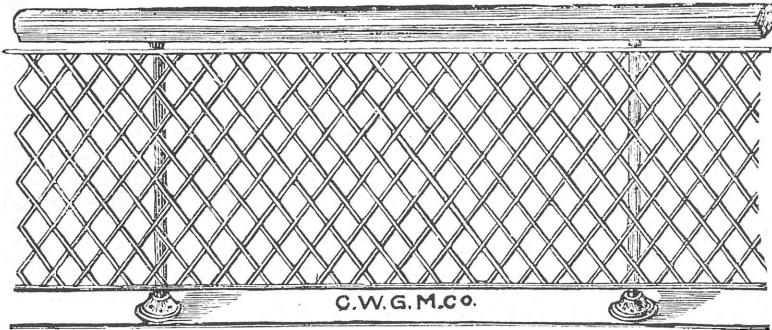
**Floor Railing or Partition.**  
CHANNEL FRAME.



Send particulars of requirements. Prices on application.

Floor Railing is usually made of 2-inch mesh No. 8 wire, or 1½ inch mesh No. 10 wire, in channel iron frame raised from floor 3 or 4 inches, with standards to screw to floor. Is very strong, yet open, airy and ornamental. Can be made any length or height. The usual finish of this work is green. In ordering, give size of door, where wanted, also which way to swing.

**Boat Railing—No. 8.**



Inquiries solicited.

Standard is 2 in. Diamond Mesh No. 10 Gauge Steel Wire on 3/16 in. Frame.

**Wire Signs.**

**CHANNEL IRON OR ROUND IRON FRAMES.**

Inquiries solicited. When writing for prices state length and height of sign, also lettering required; rough sketch of roof showing where sign is to be placed will assist us in figuring intelligently.



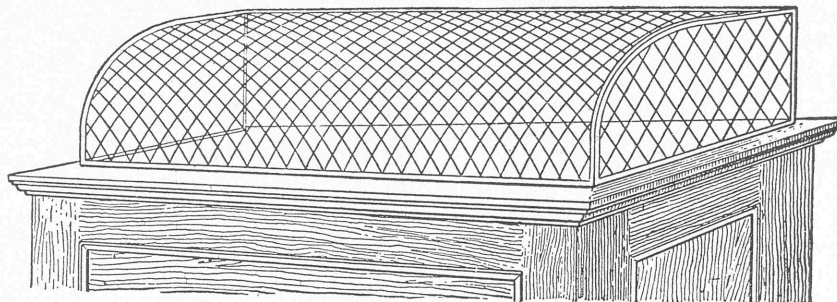
**Bank and Office Window Screens.**

(Office Screen, Style D.)

Are made from 30 Mesh Wire Cloth and the frames from Ash, Oak or Walnut, generally finished in the natural wood. They make a very attractive sign, and at the same time screen persons on the inside from the gaze of passers by.

We furnish them lettered in gold leaf. When ordering or writing for price give size of frame, kind of wood and finish, also lettering desired.

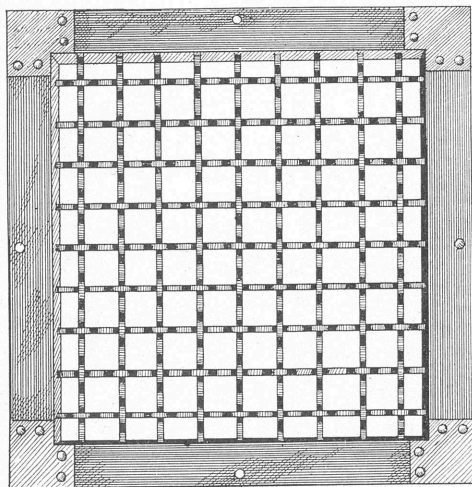
## Protection Display Cases.



PRICES ON APPLICATION.

The above Guard prevents people from handling goods, which makes them unsaleable, and also taking goods without permission. We can furnish them in any length, width or height, nicely painted or bronzed. It does not obstruct the view of goods.

## Wire Register Faces.



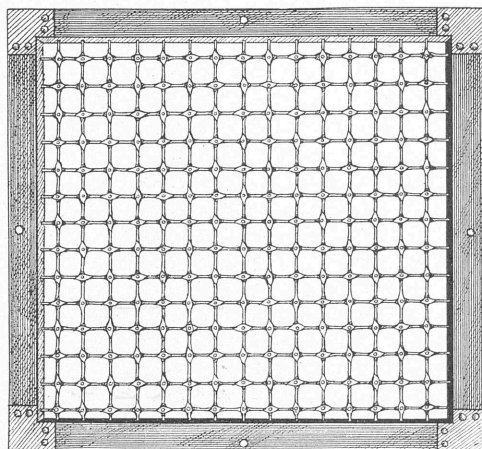
REGISTER FACE No. 30.

Made of Flat Crimped Ribbon Wire, woven in 1 in. square openings, with  $1\frac{1}{4}$  x  $1\frac{1}{4}$  x  $\frac{1}{8}$  Angle Iron Frame.

Wire Register faces are rapidly and steadily taking the place of the clumsy iron register faces formerly installed in all public buildings, as architects, engineers and the building public in general come in contact with them and recognize their great superiority. They are far more durable, being practically unbreakable, and are neater in appearance as well. They also cost much less to install, a point not to be overlooked by the economical man, with whom dollars count.

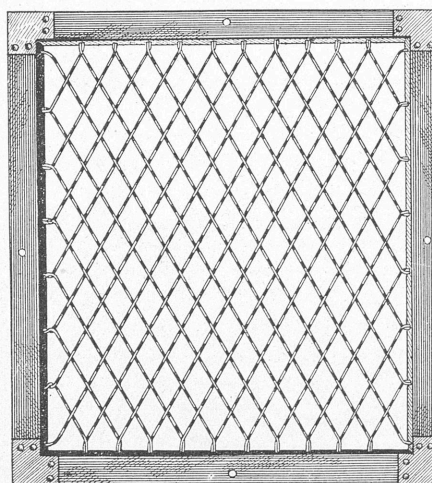
We illustrate herewith a few of the most popular designs. They are made to order exclusively, to fit openings of any size and shape, obviating the necessity for clipping and recutting openings in brick walls, thus saving much labor in setting them. They can be used with regular cast wall boxes for either heat or vents.

The Register Faces shown in this circular can be furnished in Black Japan, Gold or Aluminum Bronze, or any color enamel; also Electroplated in Oxidized Copper or Nickel, or they can be made of Brass with polished or dull finish. In addition to the designs shown we can execute this class of work in more ornamental patterns, and will be pleased to submit special designs on application.



REGISTER FACE No. 40.

Made of Flat Twisted Wire, woven in  $1\frac{1}{2}$  in. square openings, with  $1\frac{1}{2}$  in. Angle Iron Frames.

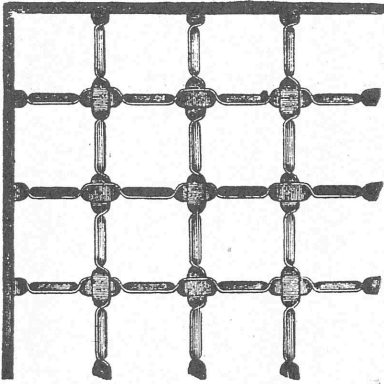


REGISTER FACE No. 50.

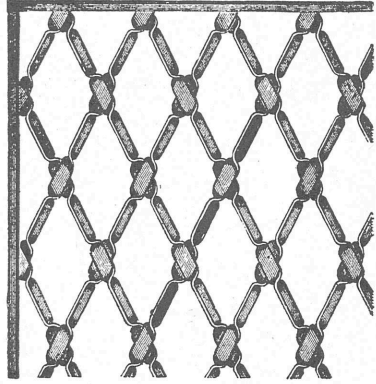
Made of Crimped Steel Wire, woven in  $1\frac{1}{2}$  in. diamond mesh, with  $1\frac{1}{2}$  Angle Frames.

Prices quoted on receipt of inquiry, giving list of sizes required.

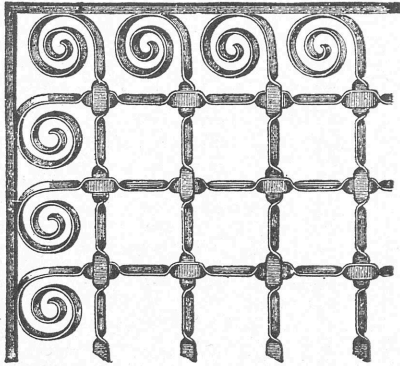
## Illustrations of Brass or Iron Flat Edge-Wise Wire Work



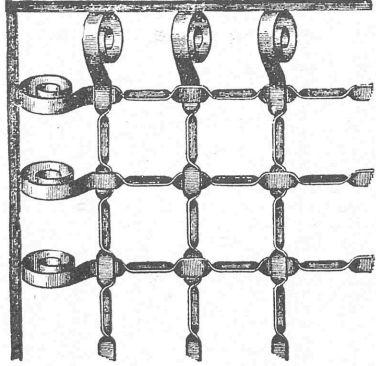
Style No. 9.



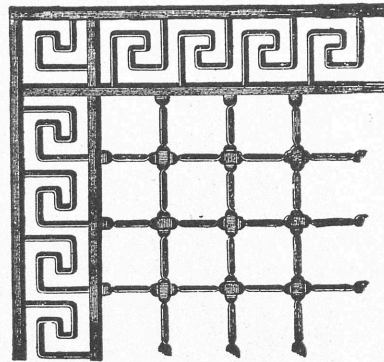
Style No. 10.



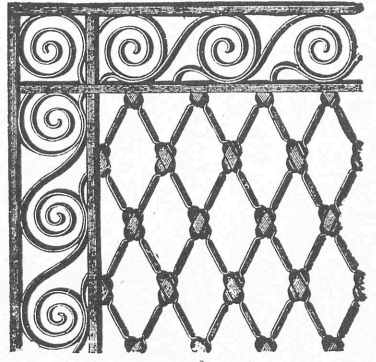
Style No. 11.



Style No. 12.



Style No. 13.



Style No. 14.

Price List on following page.

# PRICE LIST

OF

## Brass or Iron Flat Edge-Wise Wire Work

MESH.	GAUGE OF WIRE.	LAQUERED BRASS.		PAINTED IRON.		
		Framed.	Unframed.	Framed.	Unframed.	
2 inch.	No. 12 x $\frac{1}{16}$ inch.	\$2 25	\$0 90	\$0 75	\$0 45	per square foot.
2 "	" 17 x "	2 00	80	70	40	" " "
2 "	" 17 x $\frac{1}{8}$ "	1 75	60	65	35	" " "
$1\frac{3}{4}$ inch.	No. 12 x $\frac{1}{16}$ inch.	2 50	1 00	85	55	" " "
$1\frac{3}{4}$ "	" 17 x "	2 25	90	80	50	" " "
$1\frac{3}{4}$ "	" 17 x $\frac{1}{8}$ "	2 00	65	75	45	" " "
$1\frac{1}{2}$ inch.	No. 12 x $\frac{1}{16}$ inch.	2 75	1 20	1 10	65	" " "
$1\frac{1}{2}$ "	" 17 x "	2 50	1 00	1 00	60	" " "
$1\frac{1}{2}$ "	" 17 x $\frac{1}{8}$ "	2 25	70	80	50	" " "
$1\frac{1}{4}$ inch.	No. 12 x $\frac{1}{8}$ inch.	2 75	1 20	1 20	65	" " "
$1\frac{1}{4}$ inch.	" 17 x $\frac{1}{8}$ "	2 50	1 00	1 05	60	" " "
1 inch.	No. 18 x $\frac{3}{16}$ inch.	2 50	1 10	1 05	60	" " "
$\frac{3}{4}$ "	" 18 x $\frac{3}{16}$ "	2 75	1 25	1 25	70	" " "
$\frac{3}{8}$ "	" 18 x $\frac{3}{16}$ "	3 00	1 35	1 50	80	" " "

As the cost varies very materially according to the size of the pieces, the above list price will only apply to work 36 inches or over in height, and pieces of not less than 9 square feet in area.

### Desk or Counter Railings List at Following Prices:

30 to 35 inches high, at 15 per cent. advance upon above prices per square foot.				
24 to 29 " " "	25	"	"	"
18 to 23 " " "	33 $\frac{1}{3}$	"	"	"
17 inches or less,	50	"	"	"

We prefer figuring on a definite specification.

### EXTRAS.

Scroll Borders, as in Nos. 111 or 112, \$1.00 to \$1.25 extra per lineal foot, in addition to area according to the size of the pieces.

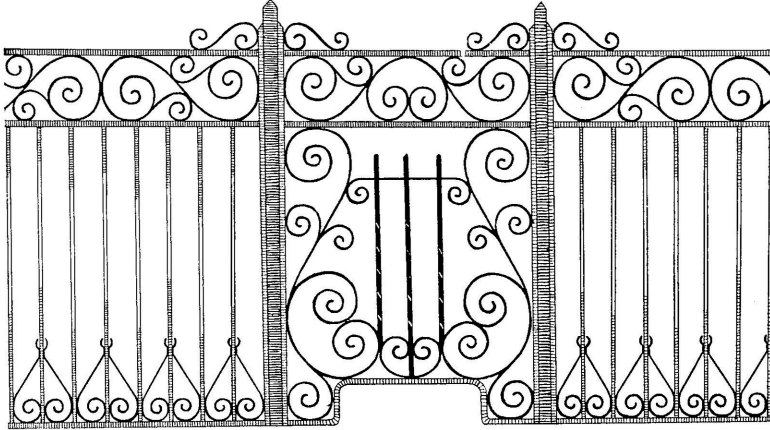
Grecian Borders, as in No. 113, \$1.25 to \$1.75 extra per lineal foot, in addition to area, according to the size of the pieces.

Scroll Borders, as in No. 114, \$1.25 to \$2.00 extra, per lineal foot, in addition to area, according to the size of the pieces.

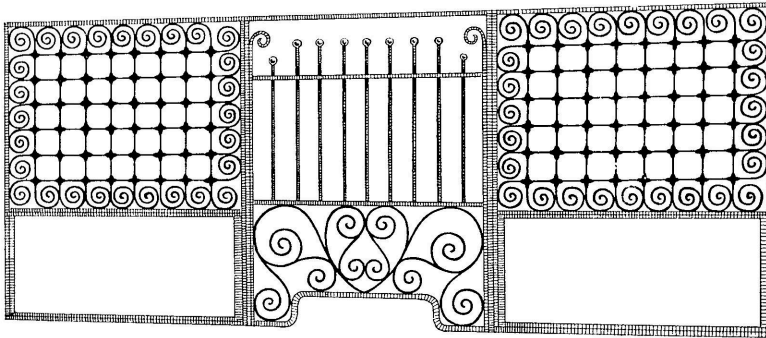
Extra charge for small pieces, containing less than 9 square feet. Irregular Shapes, Ogees, Curves, Gates, Cash Holes, Wickets Picket Scrolls, Banding and Name Plates.

### Ornamental Office and Counter Railings.

Made in Iron or Brass, any height and length, to order.

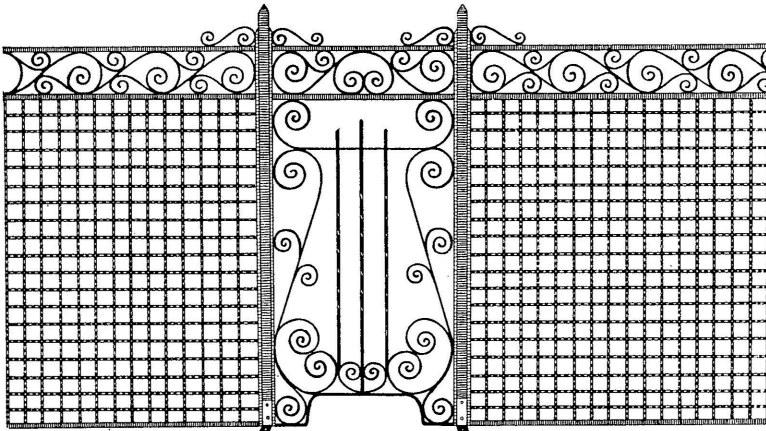


Style No. 70, Wicket No. 2.

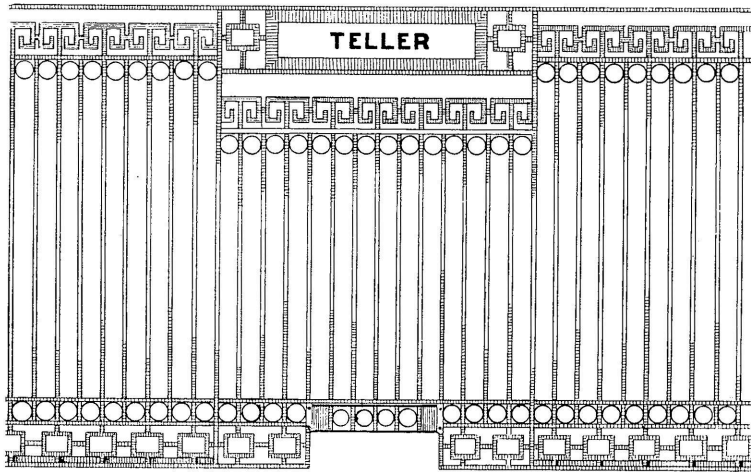


Style No. 72, Wicket No. 4.

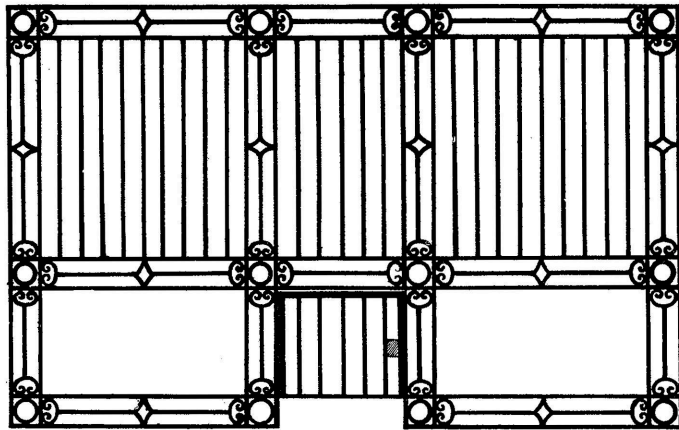
Our No. 72 Railing is made of flat wire quarter twist, square mesh, in channel frame. The mesh or openings can be made either 1½ or 2 inches, in brass or iron, finished in polished brass, oxidized copper, painted or all bronzed. Makes a very handsome and ornamental railing.



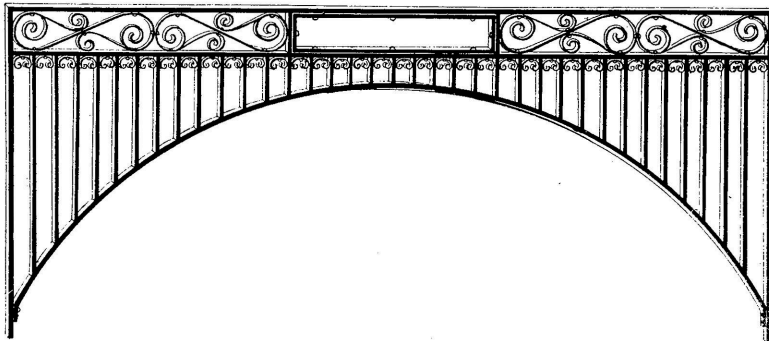
Style No. 74, Wicket No. 6. Prices on application.

**Ornamental Office and Counter Railings.**

Style No. 85.



Style No. 86.



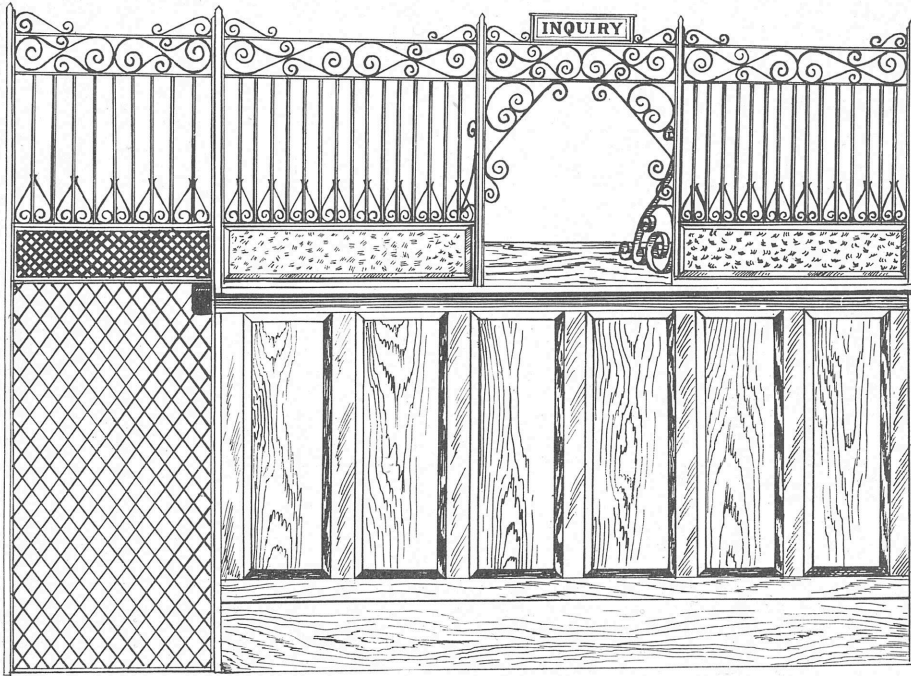
Style No. 87.

These styles in any desired finish. Prices on application.



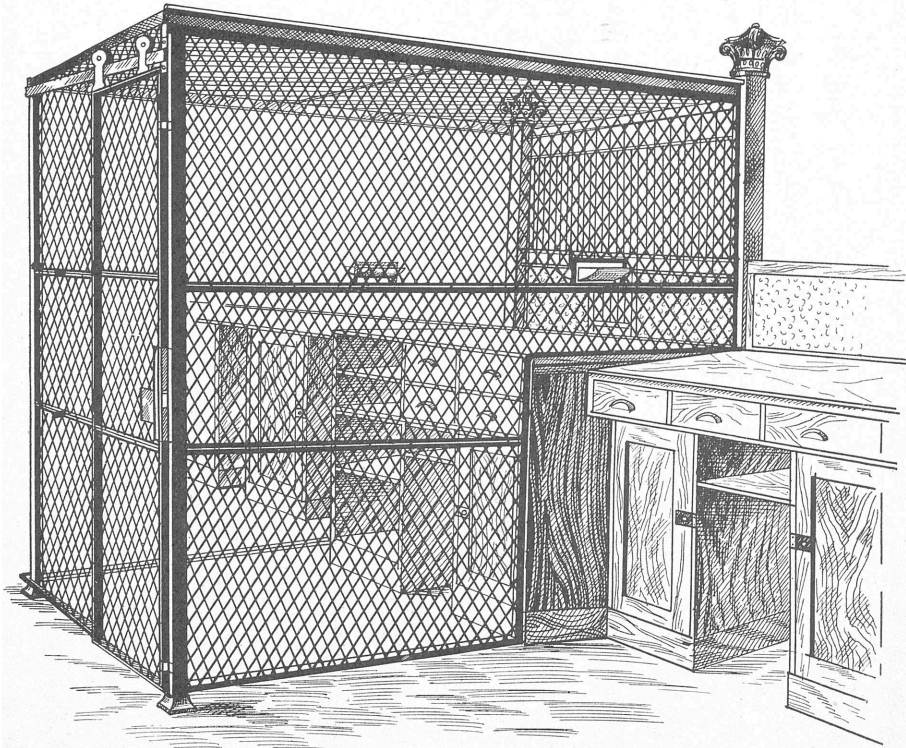
**Ornamental Office and Counter Railings.**

Style No. 65.  
Round or flat wire. In all finishes.



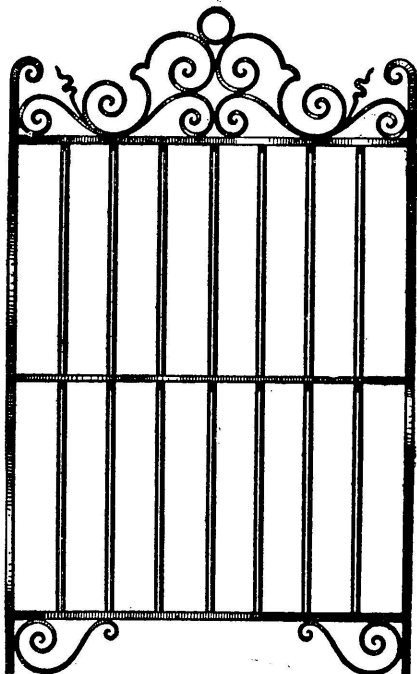
We specially recommend this style of Railing for offices as being neat and not too expensive. Can be finished as desired.

**Tellers' Cage.**

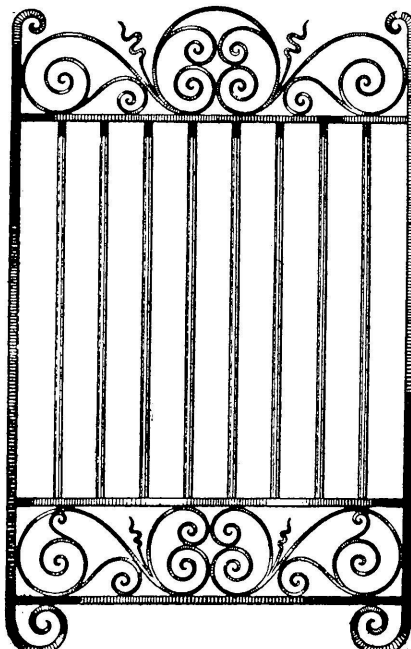


Illustrating Cage, three Panels High. Channel Iron Frame, Sliding Door and Regulation Scoops. We make a cheaper Cage, constructed with Round Iron Frame and Swinging Door. Prices on application.

**Ornamental Iron or Brass Office Wickets.**

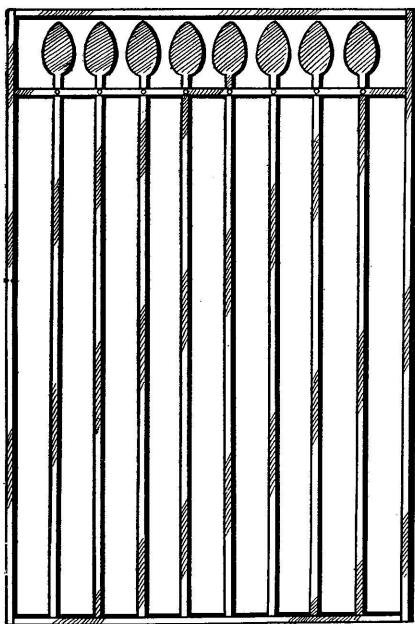


No. 11 Wicket. 18 x 27 inches.  
Hinges and Lock extra.

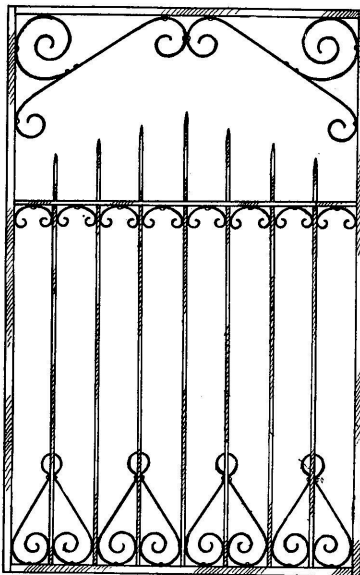


No. 12 Wicket. 18 x 27 inches.  
Hinges and Lock extra.

Finished in  
Antique,  
Copper,  
Brass and  
Bronze;  
also Dull  
Black Iron.



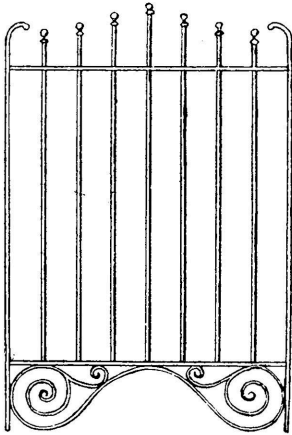
No. 13 Wicket.



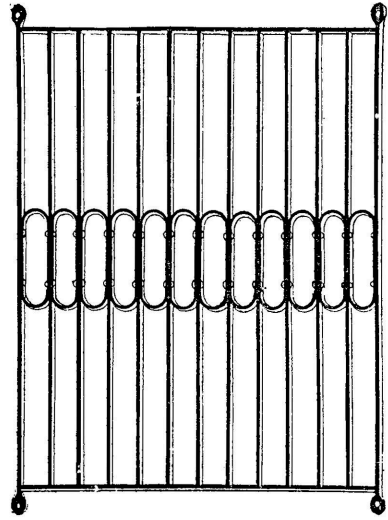
No. 14 Wicket.

No limit to our facilities for furnishing special work. Send us your specifications.  
Prices on application.

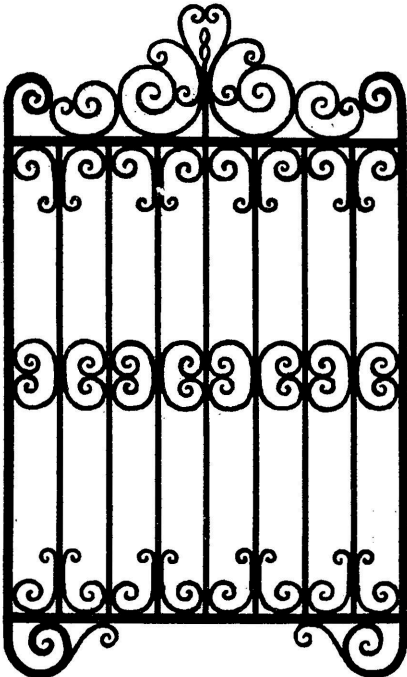
**Ornamental Iron or Brass Office Wickets.**



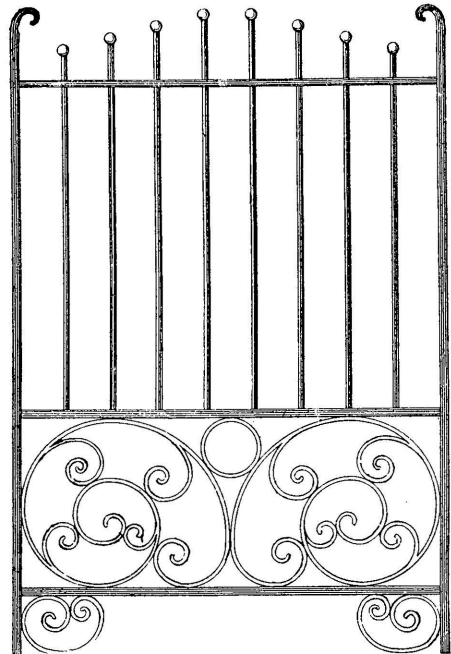
Wicket No. 15. 18 x 27 inches.



Wicket No. 16. 18 x 27 inches.



Wicket No. 17. 18 x 27 inches.



Wicket No. 18. 18 x 27 inches.

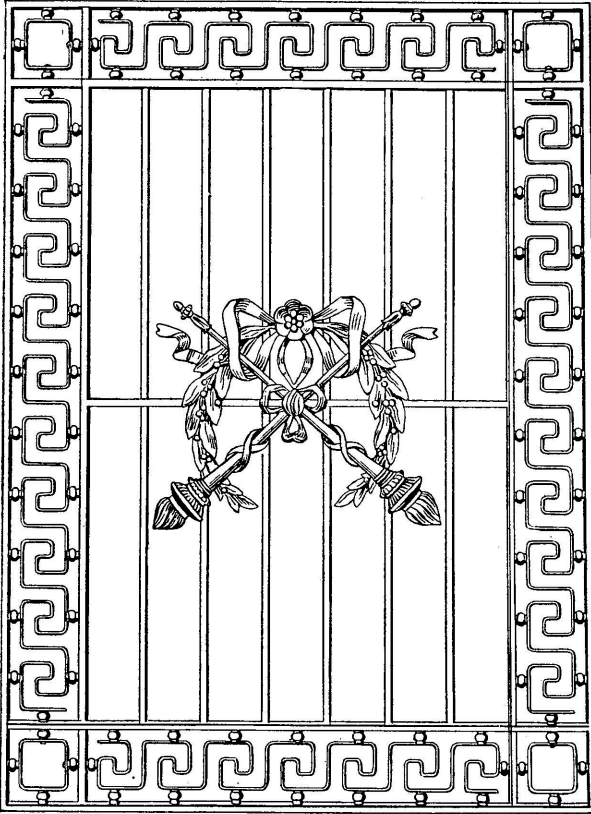
Price \$13.00.

Hinges and Lock extra, \$2.00.

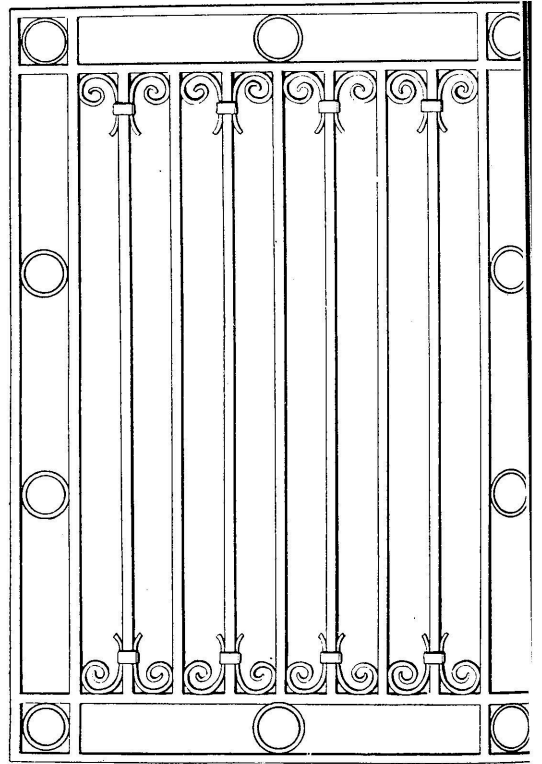
Antique Copper Finish.

No limit to our facilities for furnishing special work. Send us your specifications.  
Prices on application.

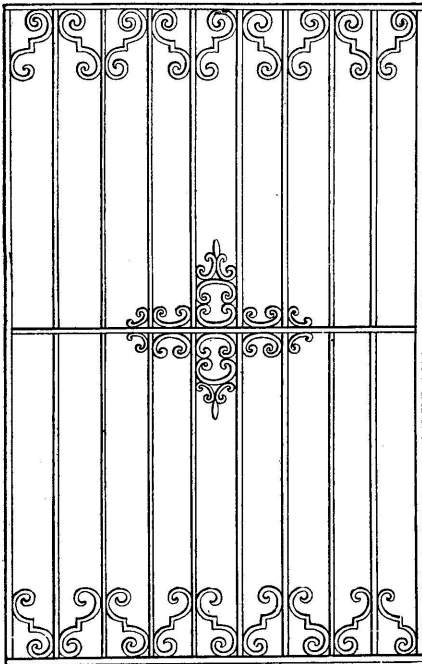
Ornamental Brass and Iron Grilles and Wickets in all Finishes.



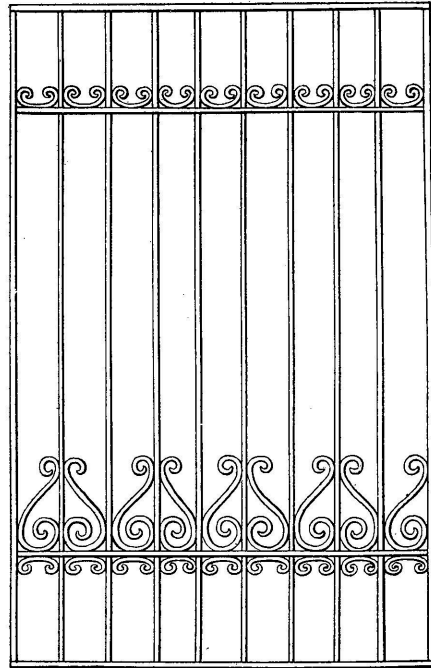
Wicket No. 19.



Wicket No. 20.



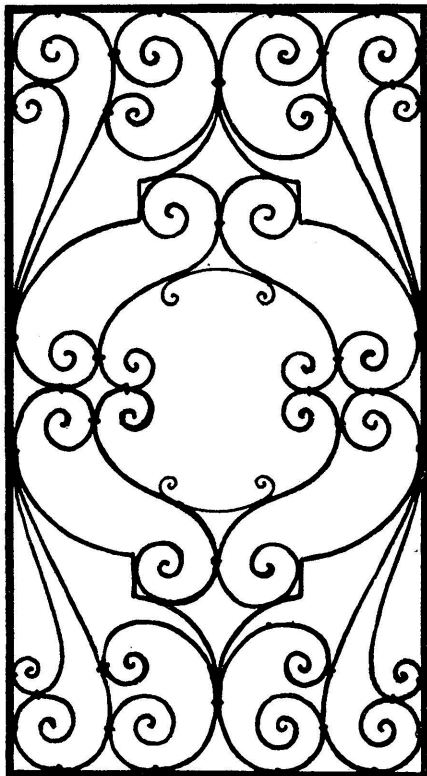
Wicket No. 21.



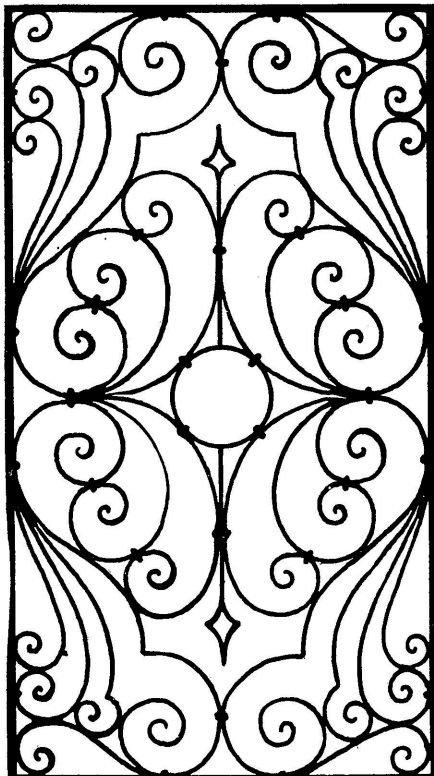
Wicket No. 22.

No limit to our facilities for furnishing special work. Send us your specifications.  
Prices on application.

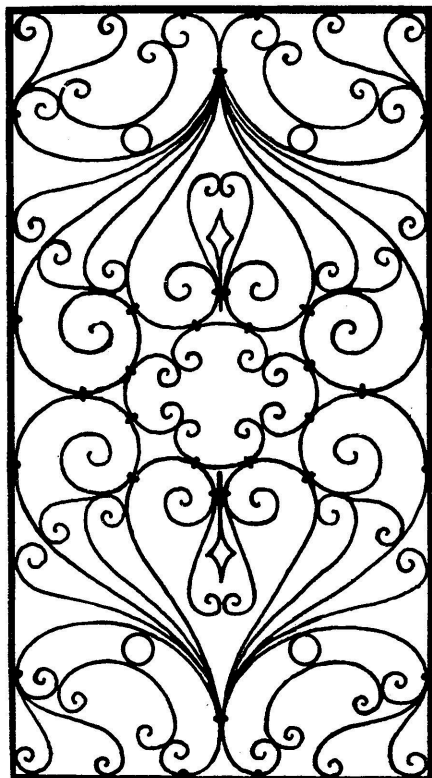
Ornamental Brass and Iron Grilles and Wickets in all Finishes.



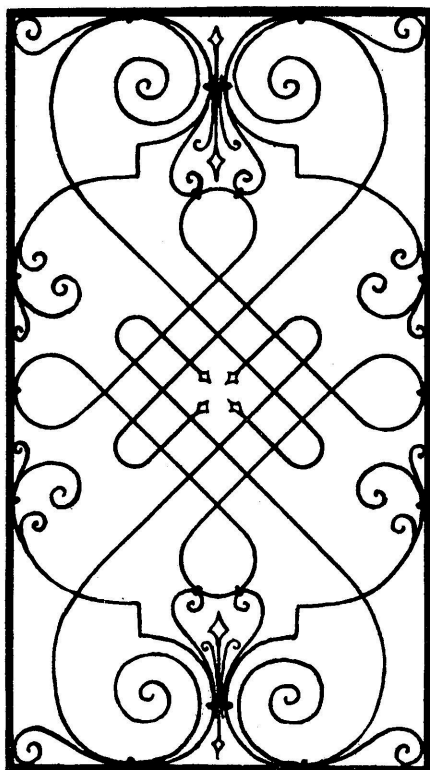
Grille No. 23.



Grille No. 24.

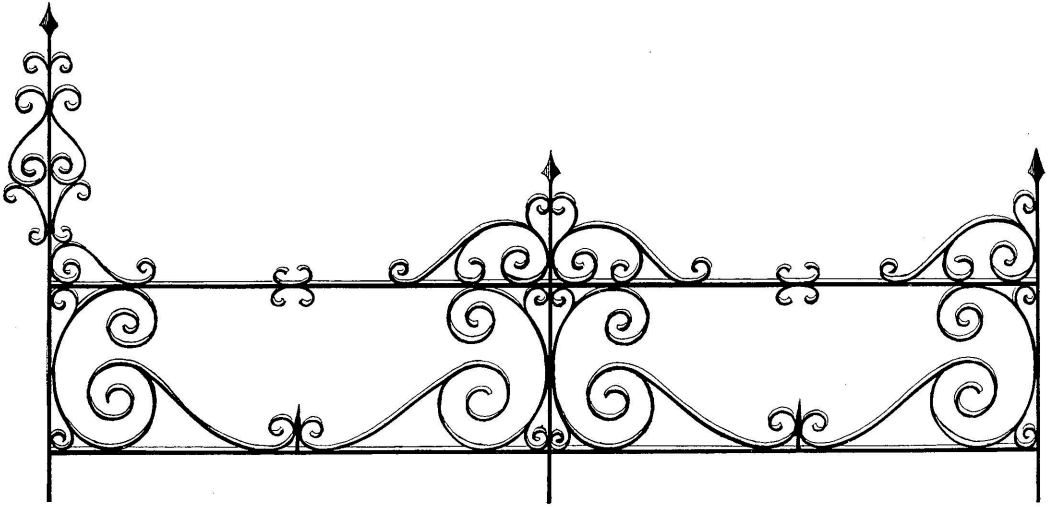


Grille No. 25.

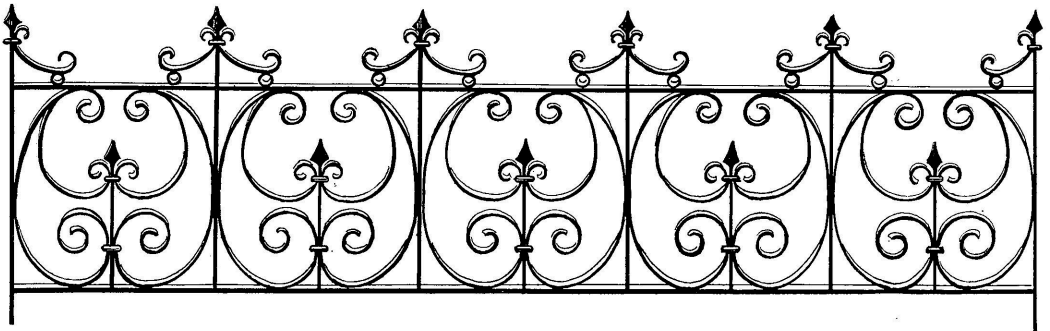


Grille No. 26.

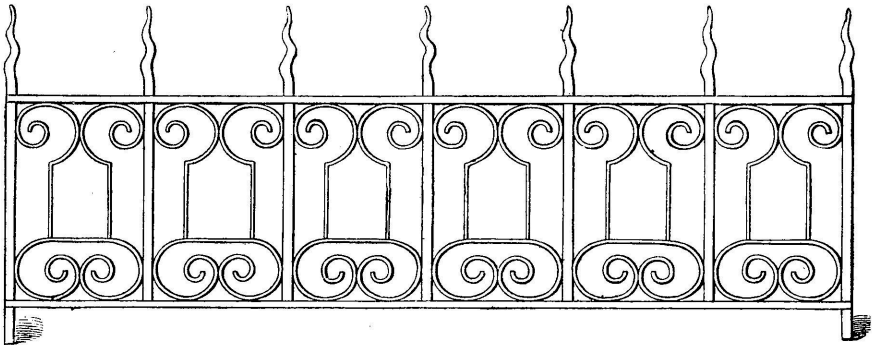
# Wrought Iron Cresting.



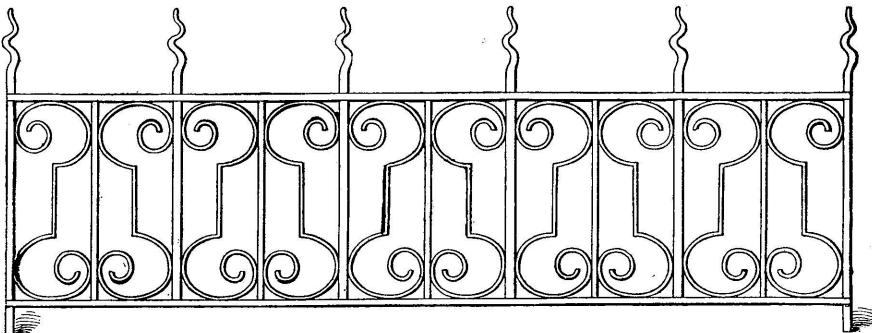
Style No. 1.



Style No. 2.

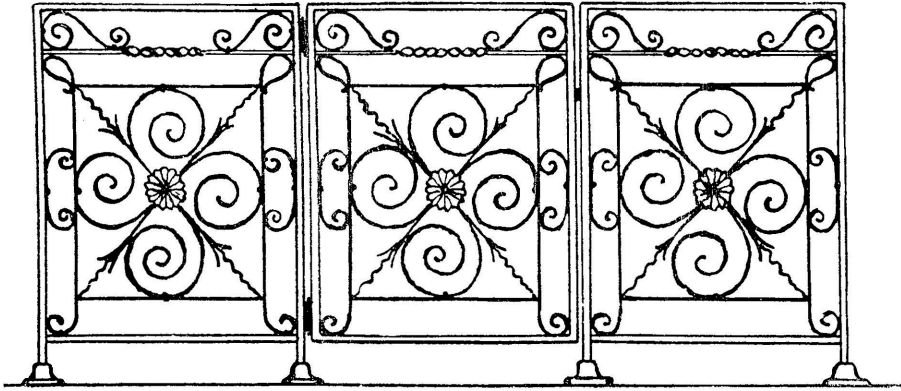


Style No. 3.

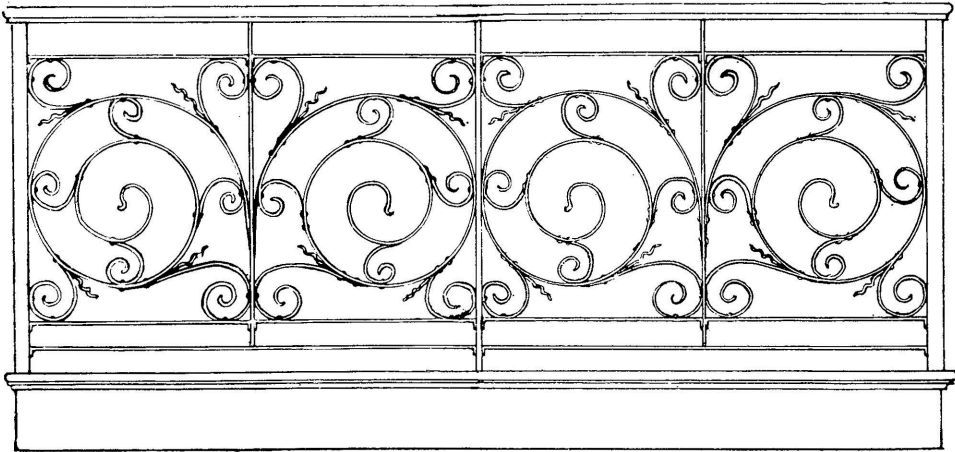


Style No. 4.

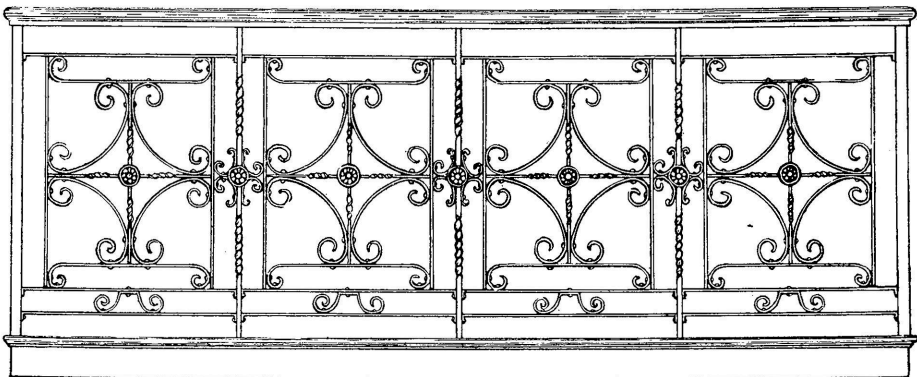
**Ornamental Wrought Iron Veranda or Balcony Railings.**



Style No. 15. 2 feet 8 inches high.



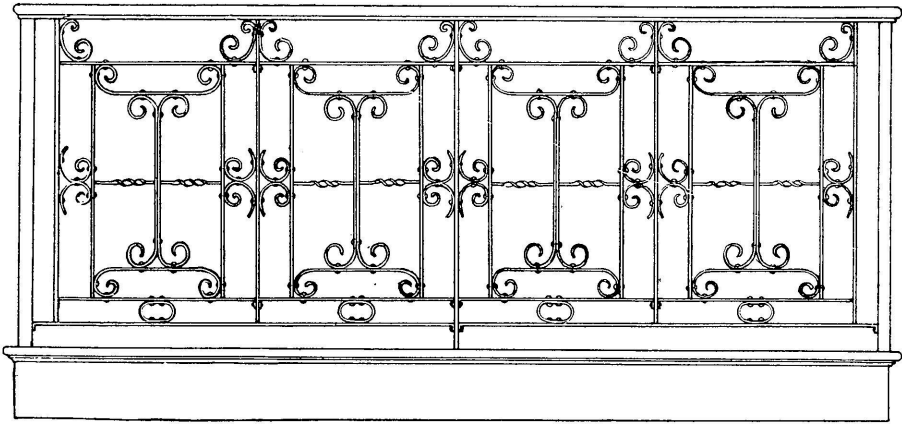
Style No. 16. 2 feet 8 inches high.



Style No. 17. 2 feet 8 inches high.

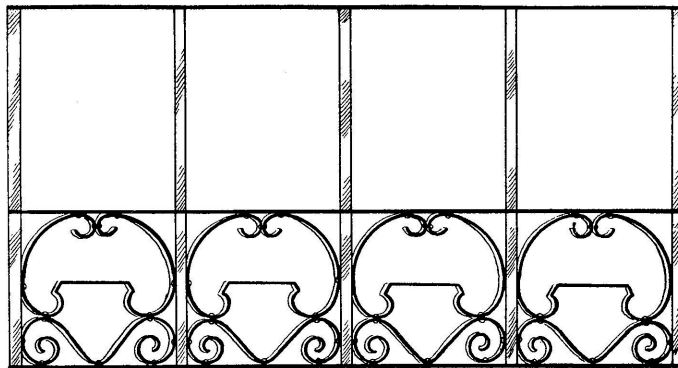
These style of Railings can be made any height and length.  
Prices on application.

**Ornamental Wrought Iron Floor or Balcony Railings.**



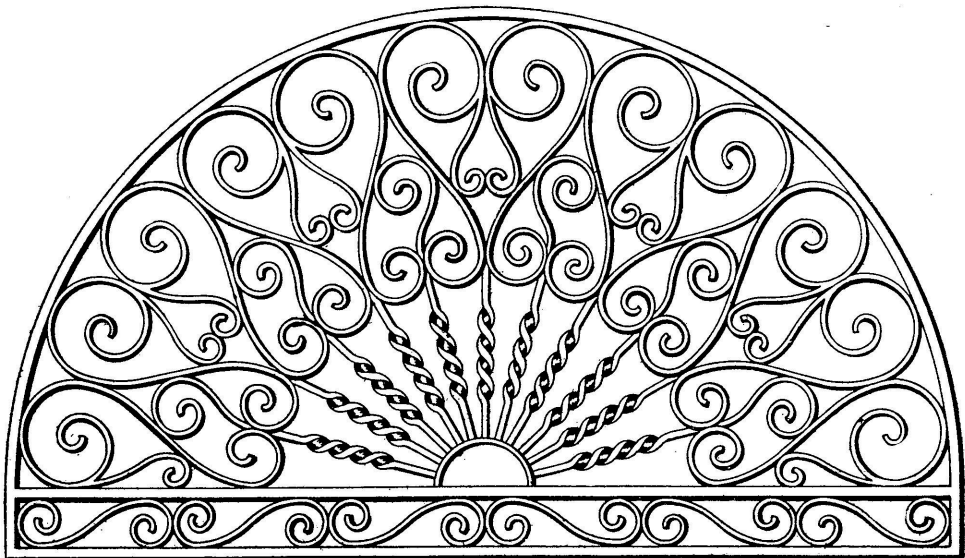
Style No. 18. 2 feet 8 inches high.

Balcony  
Railing.



Style  
No. 47.

**Transom Grill.**



No. 7—Transom Grill.

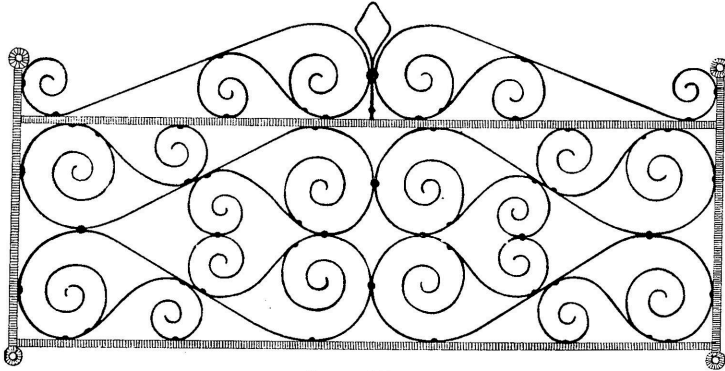
Price per square foot . . . . . \$3 00    Minimum price for Grille . . . . . 24 00

When computing area, figure square from extreme measurements. Street numbers can be inserted, costing \$4.00 extra.

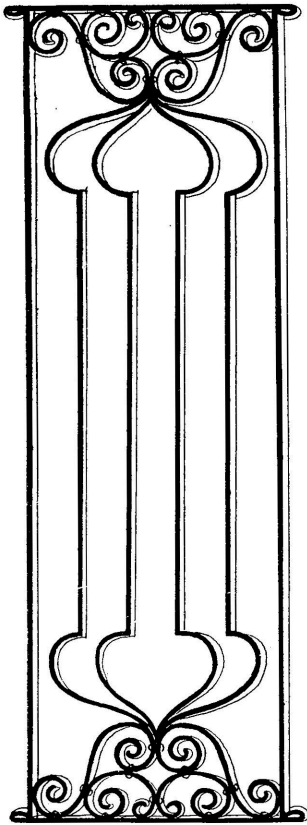


**Ornamental Brass and Iron Door Grilles**

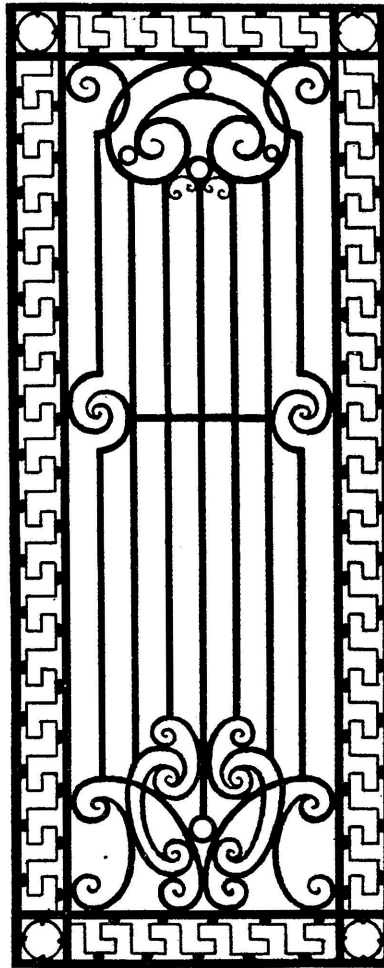
In all finishes. We can submit many other designs.



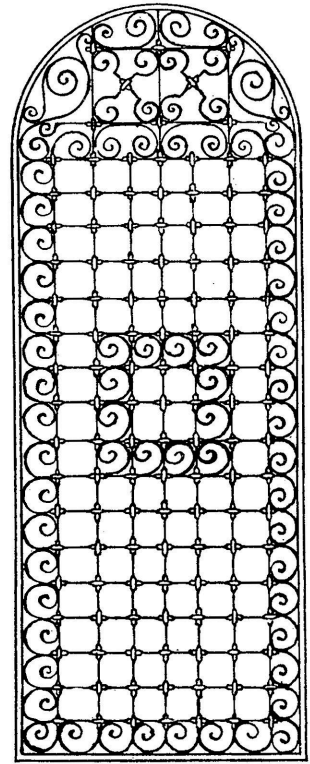
Style No. 7.



Door Grille No. 11.



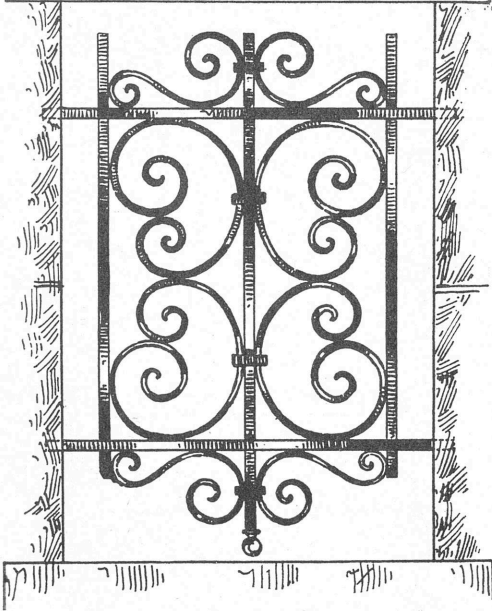
Door Grille No. 12.



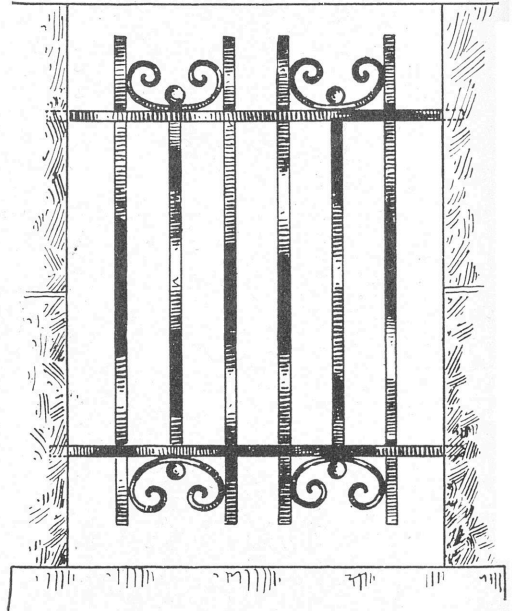
Door Grille No. 13.

Prices on application.

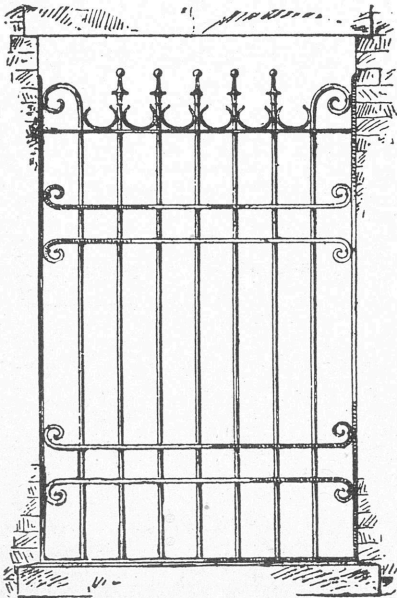
### Ornamental Window Grilles.



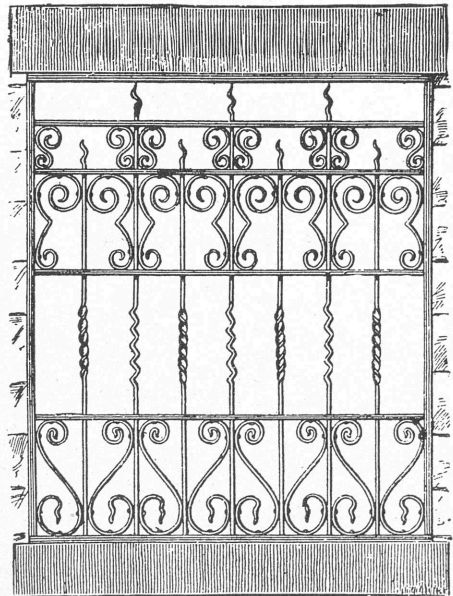
Style No. 3.



Style No. 4.

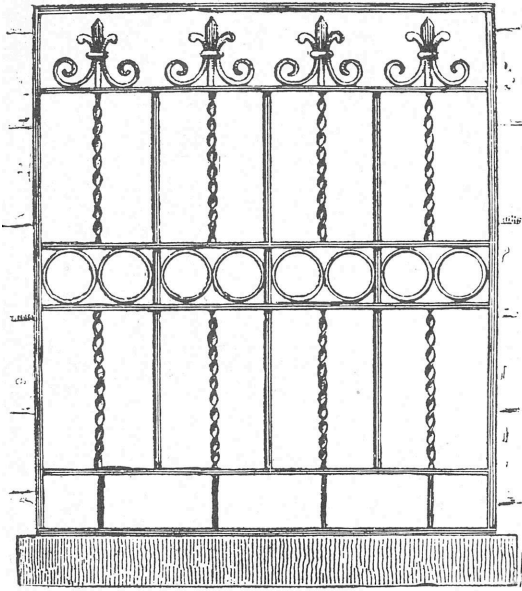


Style No. 5.

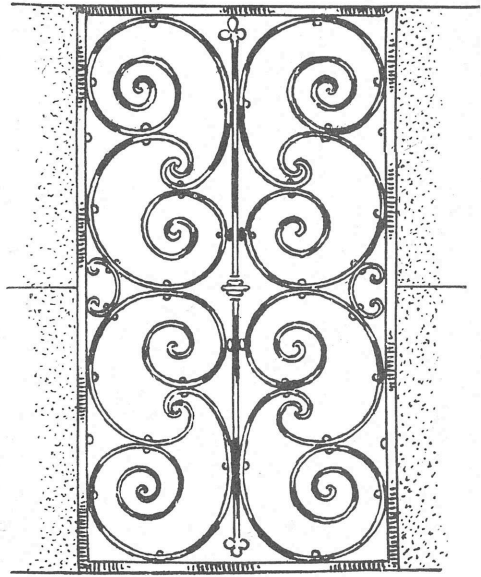


Style No. 6.

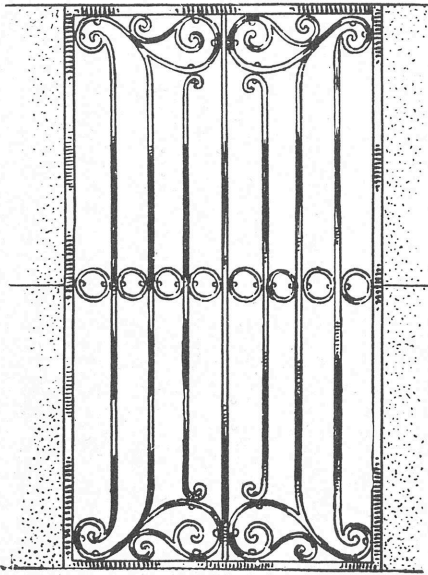
# Ornamental Window Grilles.



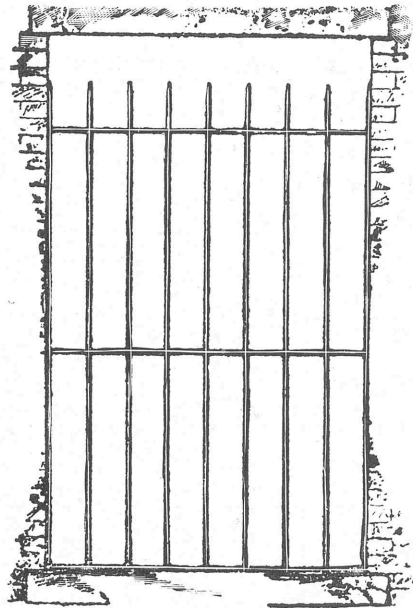
Style No. 7.



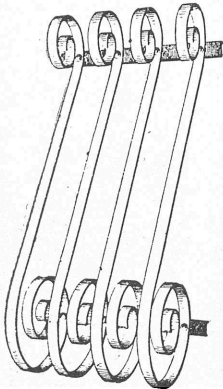
Style No. 8.



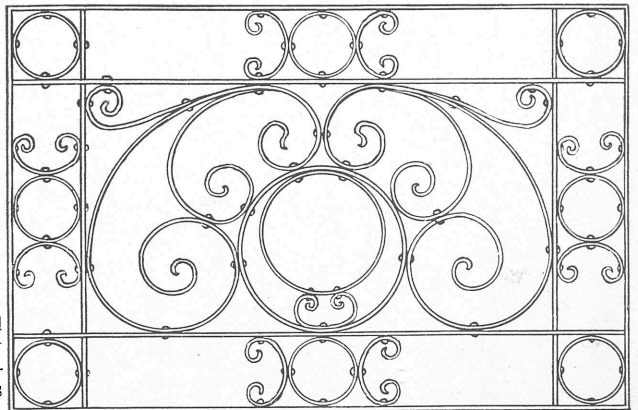
Style No. 9.



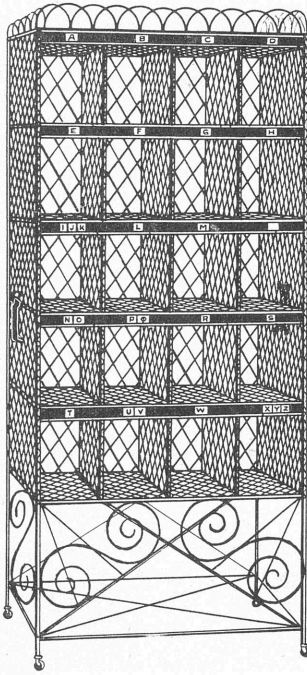
Style No. 10.



This Scroll Guard is particularly adapted where the window sill is low, effectually preventing the habitual loafer from utilizing the sill for a lounging place. Send us a sketch of casing width, and full particulars when writing for prices.



Style No. 2.



Patent Applied For.

### The Holmes Portable Wire Filing Case.

The Holmes Portable Wire Filing Case is designed to meet the requirements of Barristers, Bankers, etc., who find it necessary to have a number of valuable documents within reach during business hours, but must be deposited in the vault at night. It is a waste of time to be continually running to the vault for these papers, and to have them before you alphabetically arranged is certainly a great saving.

It does not collect dust or obstruct light, is mounted on casters and can be handled by the office boy, is no novelty or fad, but a well tried piece of office furniture, recommended by all the legal firms in Hamilton. A customer writes:

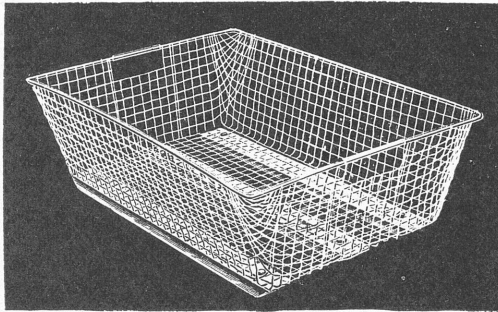
Dear Sirs: Have much pleasure in expressing our appreciation of your Portable Wire Filing Case. It is handy, neat, light and strong, and is a great convenience and time-saver. We have had three in use in our office for some time, and would not be without them. The advantage of having important papers at your elbow, and at the same time being able to deposit same in an ordinary vault, is not one of the least merits of the case. The price also is most reasonable, and is the best investment we know of in the way of Office Furniture. Yours truly, LEES, HOBSON & STEPHENS.

Permit us to suggest your taking this up with your local legal firms.

Dimensions, 4 ft. 3 in. high, 21 inches wide, 12 inches deep. Divisions, 6 inches high, 5 inches wide, 12 inches deep. Durable, strong and light. Weight, 25 lbs. Mounted on Castors. Price, each \$10.00.

### Steel Wire Display and Delivery Baskets.

HEAVILY TINNED—WILL NOT RUST.



A sanitary Basket, that is always clean and ready for use.

Will outwear all others.

Effects a big saving in paper.

Well raised from the floor, with hard wood runners on the large sizes, metal feet on two smallest sizes.

Never becomes ill smelling and can not harbor roaches or vermin.

18 x 11 x 3 inches	.. . . .	\$ 8.50	per doz.
16 x 12 x 5 "	.. . . .	10.00	"
18 x 12 x 5 "	.. . . .	11.50	"
20 x 14 x 6 "	1/2 Bushel	13.00	"
24 x 18 x 8 "	Bushel	20.00	"
24 x 16 x 10 "	.. . . .	23.00	"
28 x 18 x 8 "	.. . . .	26.00	"

### Steel Wire Skewers.



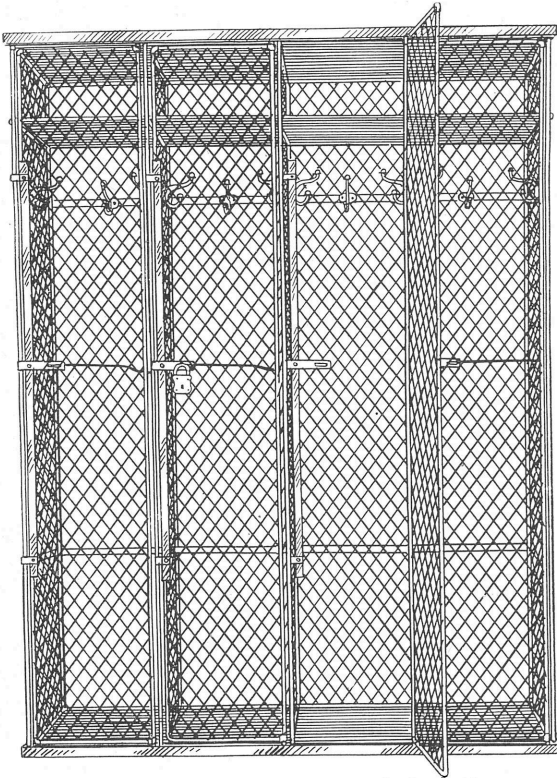
THE HOUSEWIFE'S FRIEND. THE CARVER'S DELIGHT.

Better than wood, because they impart no flavor to the meat; can be put in or extracted in half the time required by wooden skewers. Neat and attractive in appearance, and in use by every progressive butcher.

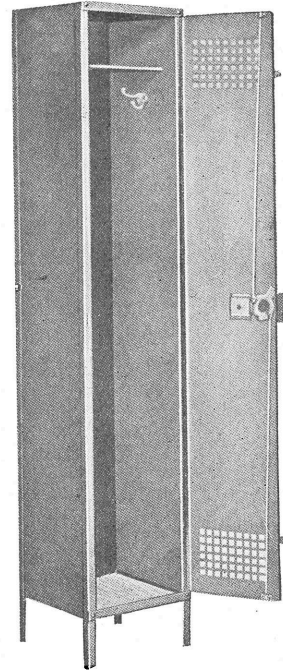
3 inch No. 13 wire (144 to the lb.)	}	20c. lb.
4 inch No. 12 wire (90 to the lb.)		Packed in 5 lb. Boxes.
5 inch No. 12 wire (75 to the lb.)	}	15c. lb.
6 inch No. 11½ wire (50 to the lb.)		
8 inch No. 11½ wire (42 to the lb.)		

# METAL LOCKERS.

"Our Special" Factory Locker  
ASSEMBLED.

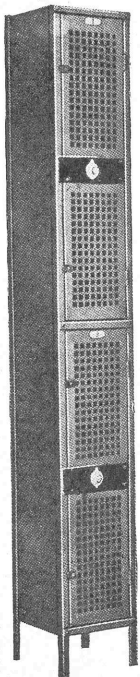


Style A



Our Lockers are not fireproof, but they won't burn themselves or help anything else to burn.

Style B.



## SUGGESTIONS.

When sending in your enquiries, please state dimensions of locker and arrangement and style of lock wanted.

If wanted for use along wall, state Single Rows.

If wanted to use through centre of room, state Double Row, back to back.

If wanted one above the other, state Double Tier.

We will be pleased to receive plans or dimensions of rooms to be fitted with lockers and will submit plans of arrangement with estimate.

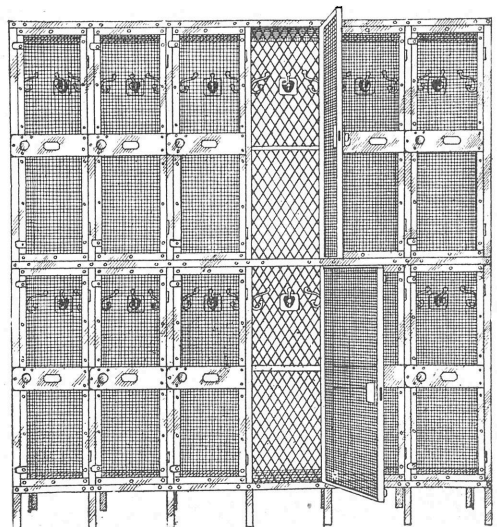
Write us—it can do no harm, and may result to your advantage.

Send for our Special Catalogue.

Style D.

TWO TIERS HIGH.

Especially adapted for Y. M. C. A's and Boys' Clubs.

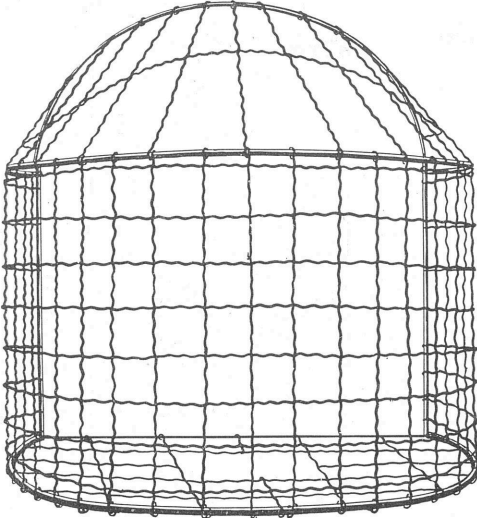


DOUBLE TIER.

Open Mesh Back and Front.

## Gas and Electric Light Bracket Guards

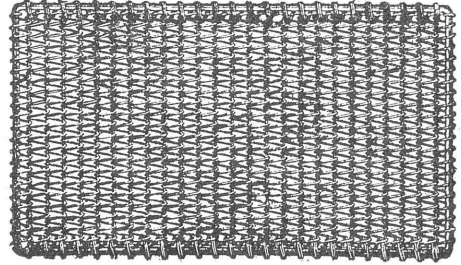
MADE TO ORDER.



We highly recommend this Guard for Factory and Gymnasium Use. No adjustment of Guard necessary in order to light up. We make Motor Guards.

## Solid Border Steel Wire Mats

The only Solid Border Wire Mat that sticks to the floor like a Rubber Mat.



No. 1	size, 16 x 24 inches	.. . .	each \$ 1 50
" 2	" 18 x 30 "	.. . .	" 2 00
" 3	" 22 x 36 "	.. . .	" 2 50
" 4	" 26 x 48 "	.. . .	" 3 50
" 5	" 30 x 48 "	.. . .	" 4 50
" 6	" 36 x 48 "	.. . .	" 5 00

Special sizes to order at 60c per square foot.

Mats with angles and curves or special shapes made to order.

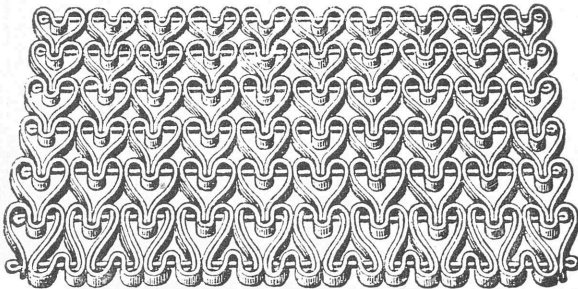
Prices on application.

## Steel Flexible Mats Best Galvanized Material.

IN ROLLS FOR SODA FOUNTAINS, HALLWAYS, FACTORIES, ETC.

A Perfect Scraper. No Curling of Corners. Reversible (two mats in one). Soft as rubber to the foot. Special Shapes for Elevators, Hotels, Kitchens, Engine Rooms, etc.

Easily cleaned. Conforms to uneven places. Keeps the mud and snow out of the house. More surface material than any other Mat on the market.



### REGULAR SIZES AND PRICES.

No. 2,	15½ x 23½	inches,	each \$ 1 90
" 3,	18 x 30	" "	2 50
" 4,	22 x 36	" "	3 75
" 5,	25 x 48	" "	5 75
" 6,	30 x 48	" "	6 50
" 7,	34 x 50	" "	8 00
" 8,	36 x 60	" "	10 00
" 9,	36 x 72	" "	12 50
" 10,	42 x 72	" "	15 00

### SPECIAL SIZES.

Less than 5	square feet	.. . .	85c ft.
" " 10	"	.. . .	75c ft.
More " 10	"	.. . .	65c ft.

# Spark Proof Guards

## Flat Spark Guard.

With or without cut for andirons. Made of heavy black wire, 6 x 6 mesh, fancy wrought iron legs, brass handles and ornaments, or can be furnished in all brass.

### BLACK IRON.

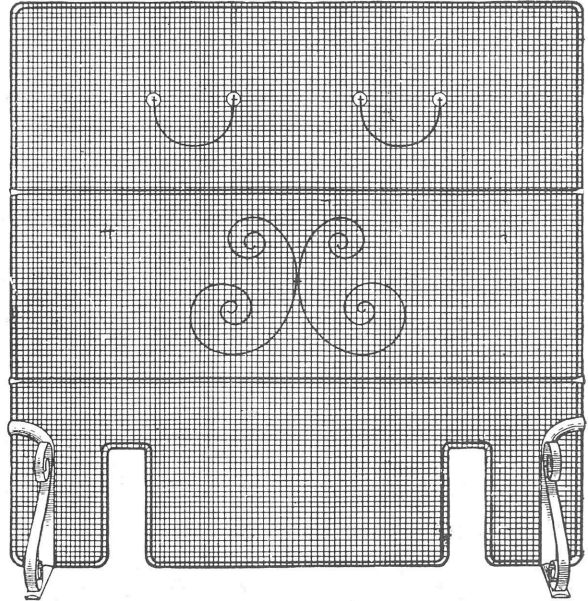
wide high		single
24 x 30 or 30 x 30 in. cut for		
Andirons . . . . .	\$4 50	
24 x 30 or 30 x 30 in., plain.	4 00	

Special sizes made to order.

### BRASS.

wide high		single
24 x 30, cut for Andirons . . . .	8 00	
30 x 30, " " " " . . . .	9 00	

Special sizes made to order.



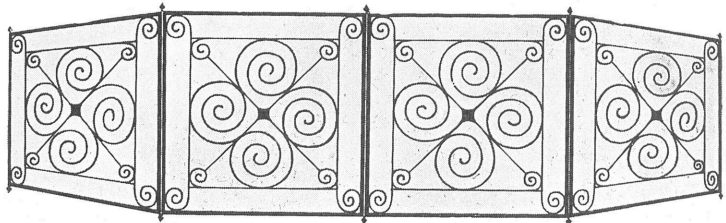
## Folding Fenders

### Venetian Iron Fender.

4 folds, 18 in x 18 in.

Full lined, with heavy cloth 6 x 6 mesh. Finished dead black, brass trimmings, \$13.50 each.

Special sizes made to order.

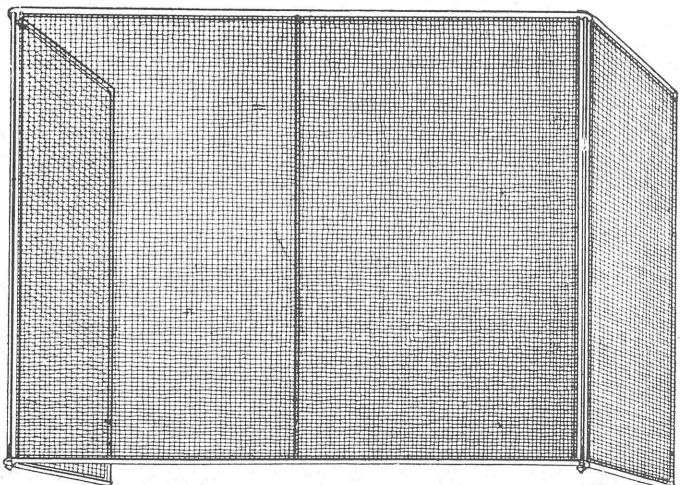


### Folding Fender.

Three folds, 30, 35 and 41 in. wide, 24 in. high, 12 in. deep. Made of heavy black wire cloth, 6 x 6 mesh, strongly braced.

Wide	High	Sides	Price
41 in.	24 in.	12 in.	\$7 50
35 in.	24 in.	12 in.	7 00
30 in.	24 in.	12 in.	6 25

Special sizes made to order.



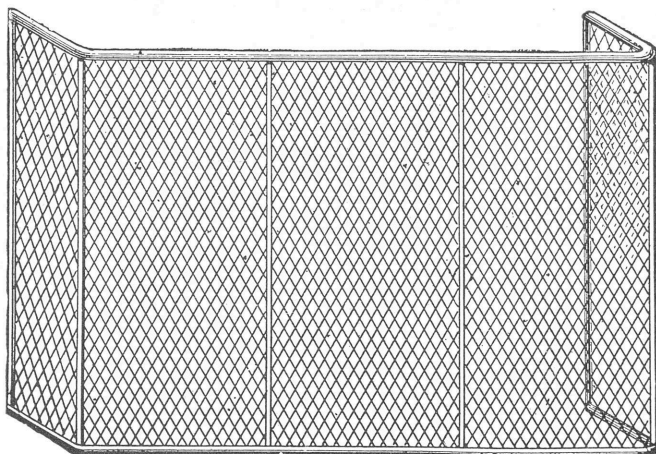
# Solid Nursery Fenders

## Solid Nursery Fenders

### Style 1.

1 1/4 in. diamond mesh. Coppered wire. Full lined with fine black cloth.

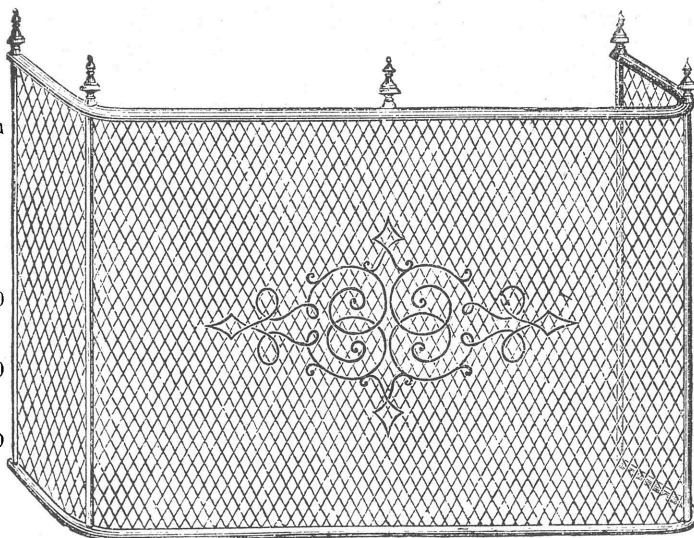
Wide	High	Sides	Price
26 in.	24 in.	12 in.	\$6 25
32 in.	24 in.	12 in.	7 00
38 in.	24 in.	12 in.	7 50



### Style 2.

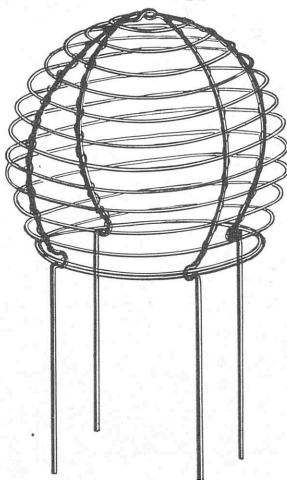
1 1/4 in. diamond mesh filled in with wire cloth, 6 x 6 mesh.

	Japanned with Nickel Plated top	Japanned with Brass top	All Brass
26 in. wide,			
24 in. high,			
12 in. side	\$11 25	\$13 50	\$21 50
32 in. wide,			
24 in. high,			
12 in. side	11 50	14 25	24 00
38 in. wide,			
24 in. high,			
12 in. side	13 00	16 00	25 00



## Conductor Guards.

Galvanized or Copper Wire.

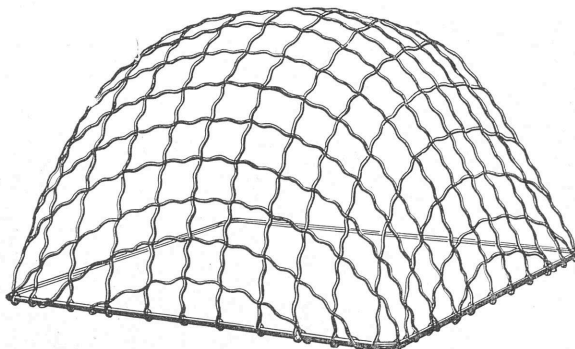


Made for 3 to 12 in. pipe.  
Prices on application.

## Hopper Guards.

Dome Shape.

Galvanized Steel or Solid Copper Wire.  
These Guards are soldered to the Hopper.



1 in. square Mesh, 14 Gauge. Galvanized.

8 to 9 in.	10 in.	11-12 in.	13-14 in.	15-16 in.	18 in.
40c	50c	60c	70c	80c	\$1.00 each



# Jail Cells and Prison Construction

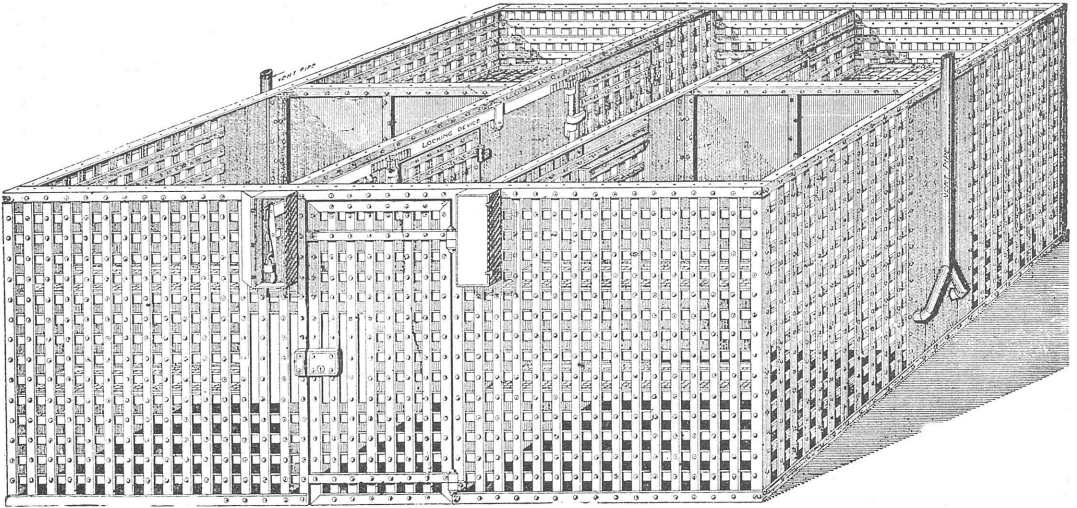


Plate A-10.

Illustrates a Cage of Four Cells, having Central Prisoners' Exercise Corridor.

Cut shows top of Cells and Corridor removed to give a better idea as to the arrangement of the interior of the cage.

These Cells are equipped with a Lever Locking Device operating all Cell Doors from the outside.

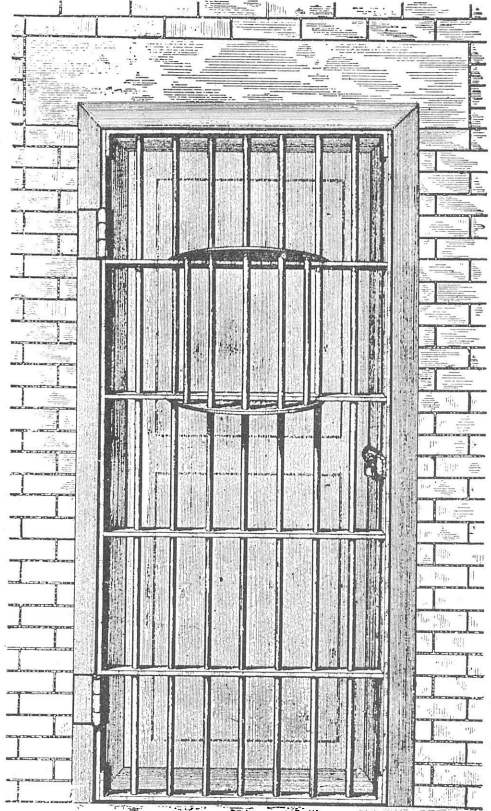
We specialize in all classes of Jail and Prison Steel Work, Solid Steel Plate, Round Bar, Lattice Bar and Hexagon Bar Construction.

Have you an up-to-date Lock-up in your District. Write us. Enquiries solicited. We shall be pleased to follow up closely any information from our Hardware friends, and will use every endeavor to close the business to our mutual advantage.

Double Entrance Doors, standard size 3 ft. wide, 7 ft. high. Special size made to order.

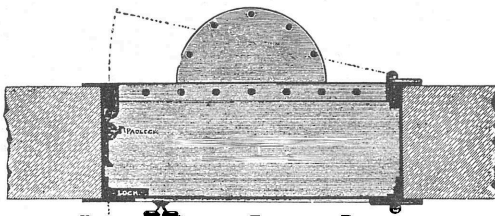
When writing for prices, state size of opening, also thickness of wall.

Double Entrance Door with Peep Basket.



FRONT ELEVATION OF INSIDE DOOR

Plate A-27.



PLAN of DOUBLE ENTRANCE DOORS.

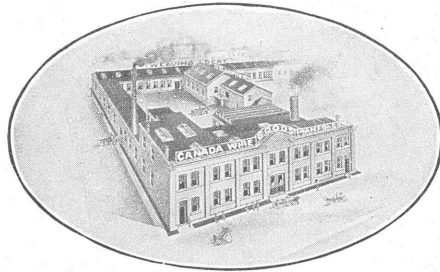
Plate A-26.



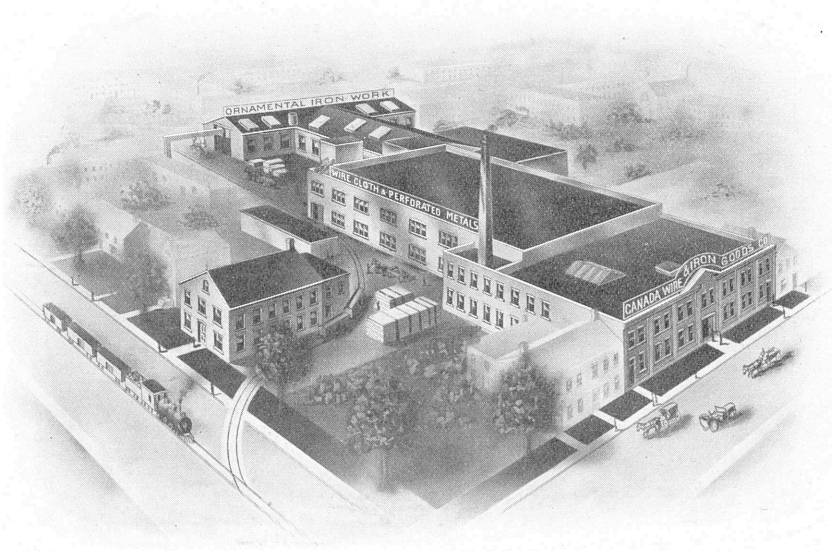
## Telegraphic Code

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Ship by freight, G. T. R. . . . .	Cablet.
Ship by freight, C. P. R. . . . .	Cablisch.
Ship by express. . . . .	Cablote.
Ship by boat. . . . .	Cablons.
We shipped your order . . . . .	Caboral.
We can ship your order . . . . .	Cabota.
We can ship all your order except . . . . .	Cabotin.
We cannot ship your order until. . . . .	Cabrea.
Your order* received and we will ship at once . . . . .	Cabreve.
Telegraph how soon you can ship . . . . .	Cabrum.
Ship as soon as possible, substituting sizes larger for what you may be short . . . . .	Cabstar.
Have you in stock, if so, how soon can you ship? . . . . .	Cabular.
How soon and at what prices could you furnish ? . . . . .	Caburn.
Quote by mail and say when you can deliver . . . . .	Cabuva.
Send what you can out of our order at once, let balance follow as soon as possible. . . . .	Cacados.
Can deliver part of your order at once. Shall we ship portion at once or hold until we can make one complete shipment of	Cacadu.
Can ship about . . . . .	Cacais.
None in stock. Can make and ship. . . . .	Cacajo.
Goods not arrived, when and by what route did you ship ? . . . .	Cacalie.
Get ready for immediate shipment, directions by mail. . . . .	Cacalat.
Send tracer immediately for shipment of . . . . .	Cacaute.



1907



1911

Between the two dates we have increased our floor space over 200 per cent.,  
and are anticipating further enlargements.

