THE ST PANCRAS IRONWORK CO LD

BASEMENT LIGHTING ENGINEERS.

ST: PANCRAS ROAD,

LONDON·N·W.

THE ST. PANCRAS IRONWORK COMPANY, LD.,

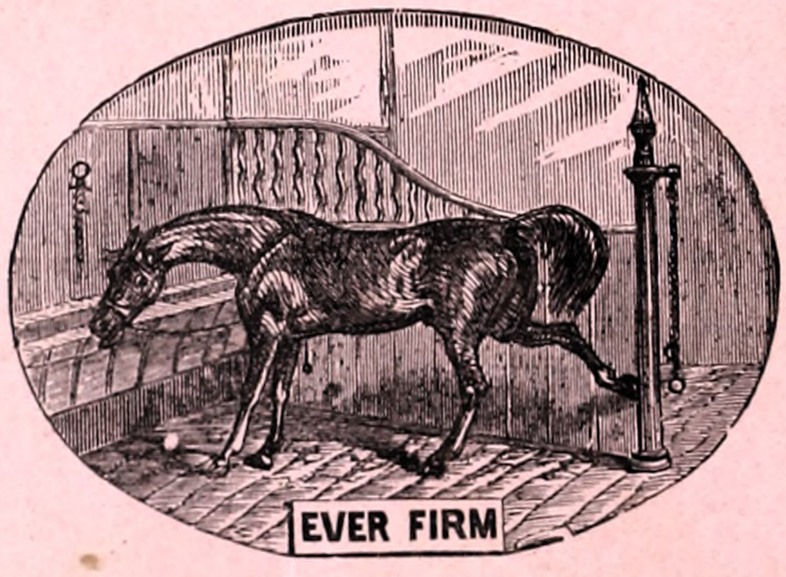
ST. PANCRAS ROAD, LONDON, N.W.

* ST PANCRAS * IRON * WORKS * OFFICES & SHOWROOMS *

The Manufactures of the St. Pancras Ironwork Company, Limited, bear one of these, their Trade Marks, Registered under the Act.

No. 1.

FOR ALL LARGE ARTICLES.



SP

No. 2.

FOR ALL SMALL ARTICLES.

As it has frequently occurred that where the St. Pancras Ironwork Company's goods have been specified, other and inferior articles have been supplied, one of these Trade Marks is now affixed to every article, to secure ready recognition.

Architects requiring these goods are respectfully requested to communicate with the St. Pancras Ironwork Company, Limited, who will have pleasure in supplying them with detailed estimates, the amount of which may be included in their Specification.

CONTENTS.

PATRONISED BY

Her Majesty

and the Royal and Imperial Families of England, France, Germany, Holland, Sweden, Portugal, etc.

CONTRACTORS TO H.M. WAR OFFICE, INDIA OFFICE, ADMIRALTY, OFFICE OF WORKS, THE CROWN AGENTS FOR THE COLONIES, AND TO THE CORPORATIONS OF LONDON AND OTHER CITIES, BOARDS OF WORKS, ETC., ETC.

PREFACE.

IN submitting the present enlarged Catalogue to Architects and Owners of House Property, we beg to call attention to the fact that we have made important improvements in the art of Basement Lighting, some of which we have protected by Registration, and others by Letters Patent, four of which have been granted to us.

We pay the greatest attention possible to details, on which everything depends in work of this sort. The designs of the iron frames, the shape and dimensions of the glass lenses, and the quality of the materials used in both, have the most important effects upon the result. The objects to be gained are STRENGTH, DURABILITY, LIGHTING EFFICIENCY (independent of neglect), GOOD APPEARANCE, AND SAFETY TO PEDESTRIANS; and we venture to think we achieve all these.

The Frames are made of cast-iron of the toughest and best kind; wrought-iron is not rigid enough. The surfaces of most of the patterns are covered with nibs of such a form as to protect the glass, to give a good foothold without being unpleasant to the wearer of a thin boot, and to stand heavy traffic; other patterns are made smooth for indoor use. The lenses are made of Colourless English Flint Glass, of the quality best adapted for the purpose; and our lenses do not turn purple in colour, or disintegrate in the way that those of some makers may be often seen to do. The encaustic tiles we use in tile and lens lights are of the best quality only. The lights are put together with a special cement, which, in a few days, unites glass, iron, and tiles into an inseparable whole, and in this condition they are sent away ready for fixing.

We shall always be happy to give any advice or information as to the most efficient and economical plans for Basement Lighting in any particular case.

THE ST. PANCRAS IRONWORK COMPANY, LD.

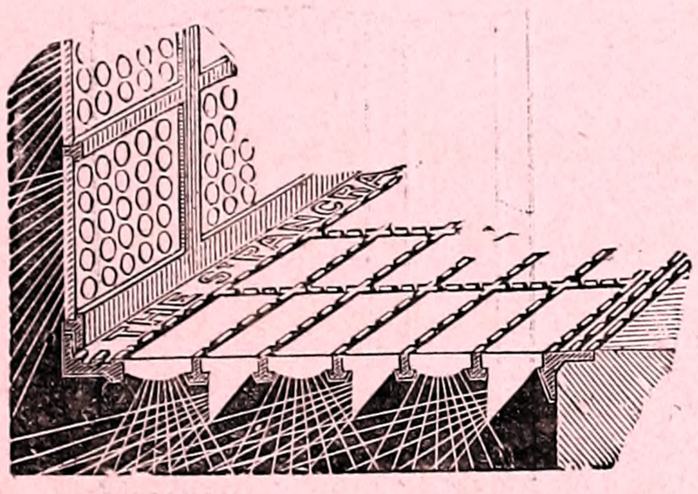
September, 1897.

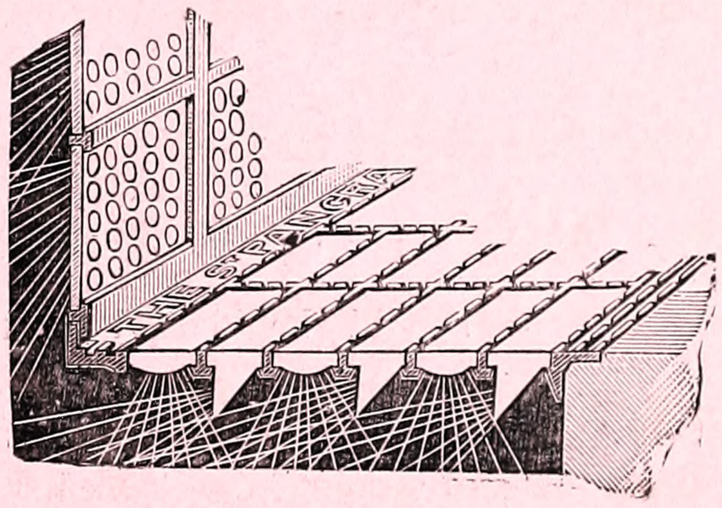
PRACTICAL EXPLANATIONS.

All the Lights in this Catalogue are sent out complete, ready for fixing; in ordinary cases the back of a single Pavement Light does not require any support. When they are required larger than the sizes given in the tables in this Catalogue they must be made in two or more parts, and should be carried by a bearer under the joints from back to front. Avoid longitudinal bearers along the back, or any other obstruction to the reflection of the light; if, however, these are necessary, arrange them so that the flange of the Pavement Light may rest on the lower flange of the I or ⊥ iron bearer.

Full size sections of flanges with details of rebates required are shown on the next two pages.

In fixing see that the lenses point as in illustrations.





Stall-Board Lights are easily fixed, but the method varies with the circumstances; if these are described, details will be sent.

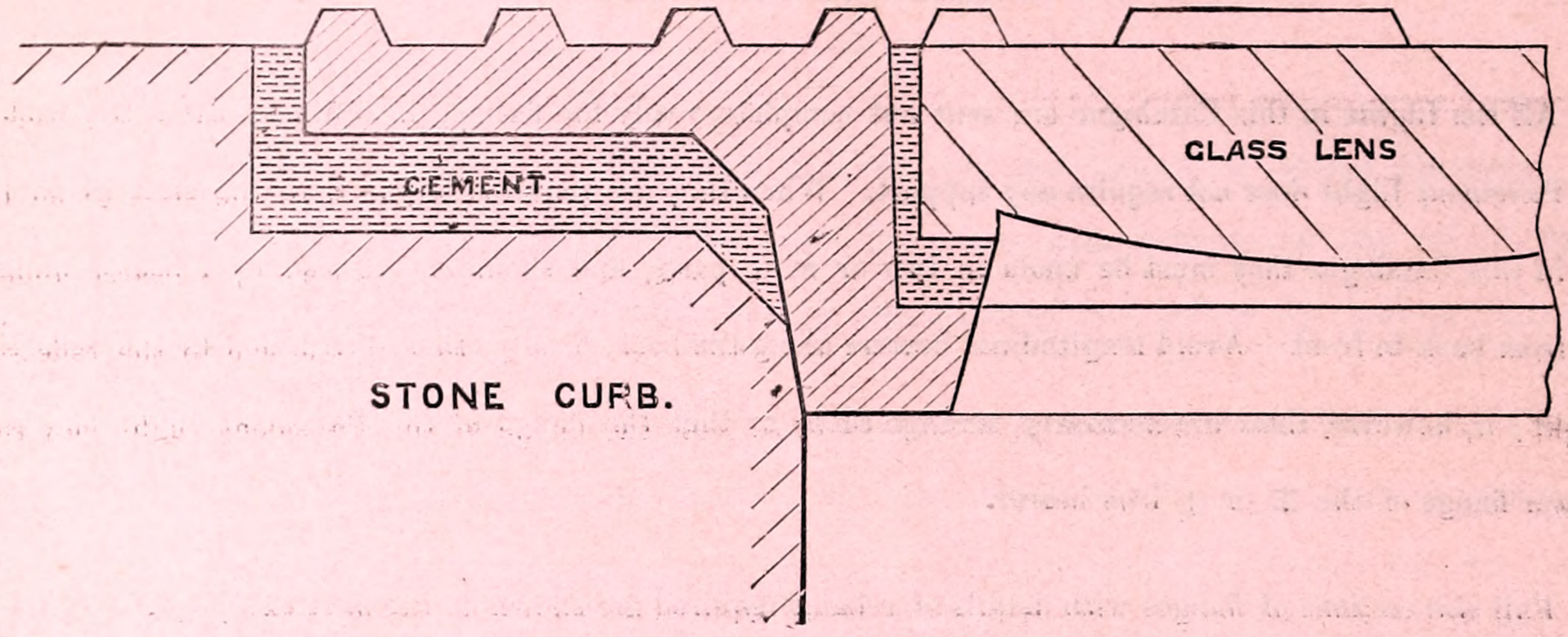
In *taking out quantities* allow 3 inches extra over the opening for each flange in Tiled Lights, and 2 inches for other Lights; also sufficient for any reveals or recesses. Odd and circular shapes are measured and charged for as square over all.

Estimates and further information will always be given when desired.

Goods delivered free to any Railway Terminus in London, or to any place within three miles of King's Cross.

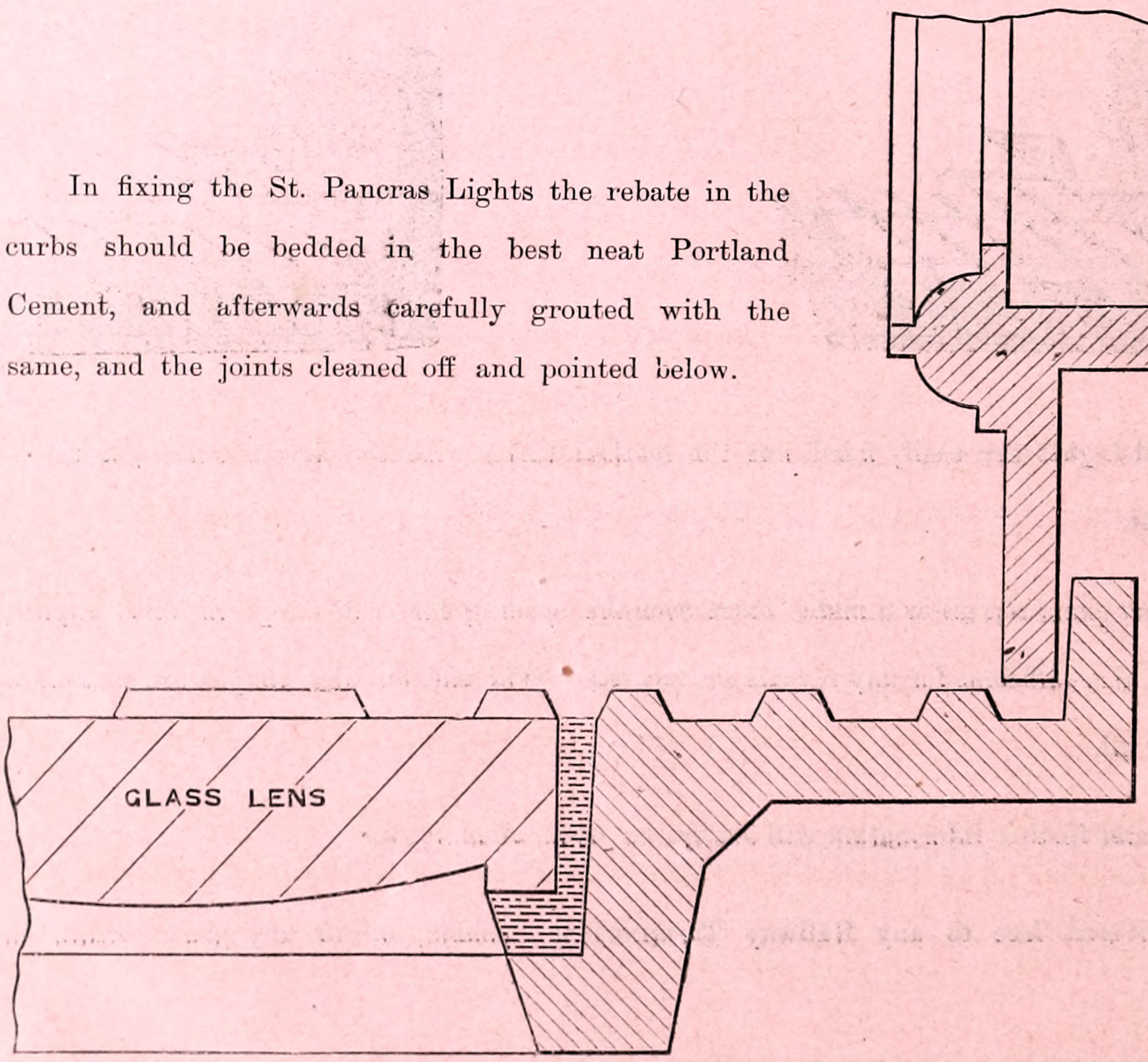
Packing charged for when necessary, and allowed in full if returned carriage paid.

FULL SIZE SECTIONS OF ST. PANCRAS LIGHTS.



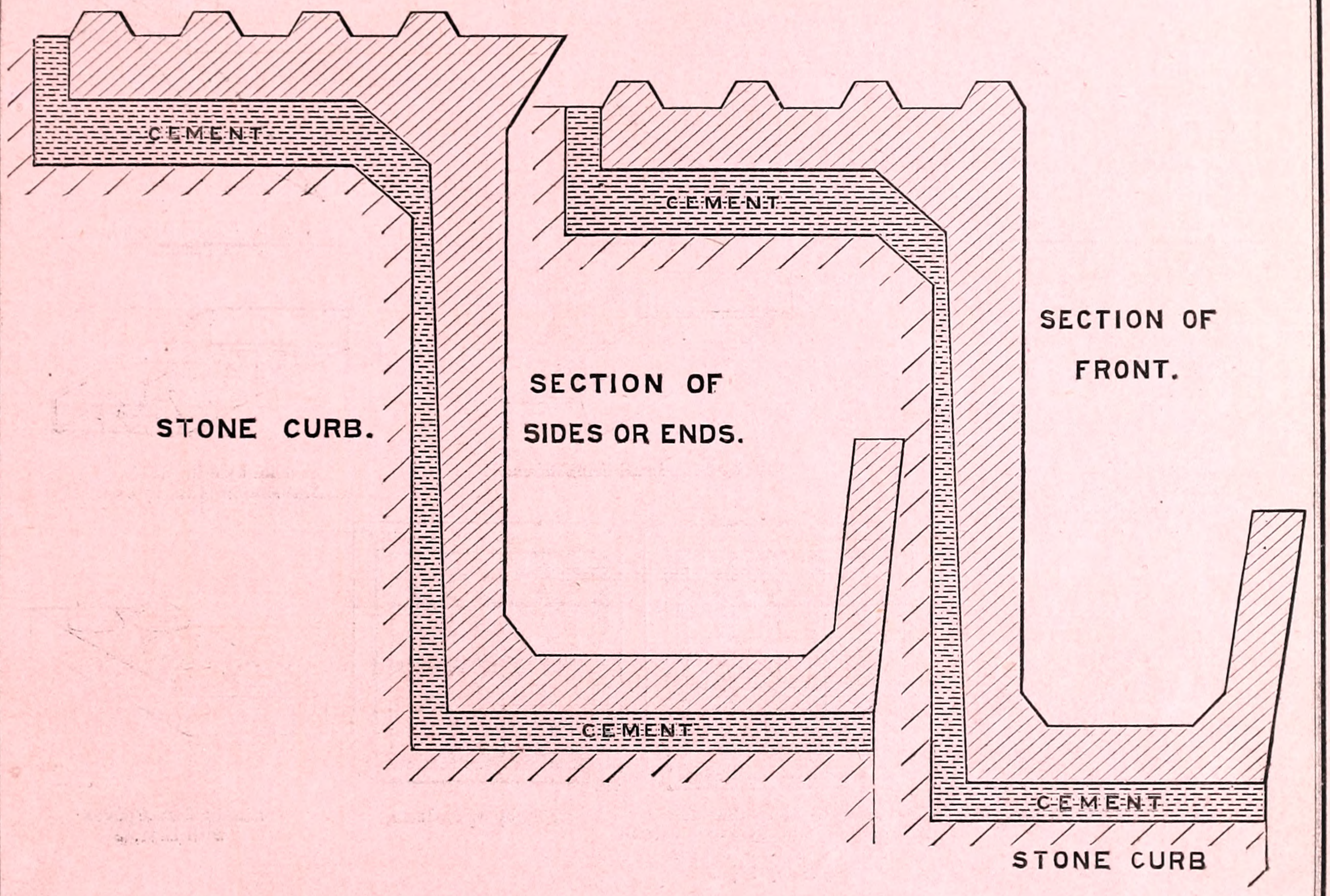
Front Section of Ordinary Pavement Light.

In fixing the St. Pancras Lights the rebate in the curbs should be bedded in the best neat Portland Cement, and afterwards carefully grouted with the same, and the joints cleaned off and pointed below.



Back Section of Ordinary Pavement Light with Water Bar and No. 15 Stall-Board Light.

FULL SIZE SECTIONS OF ST. PANCRAS PATENT CELLAR FLAPS.



INSTRUCTIONS FOR FIXING ST. PANCRAS PATENT CELLAR FLAPS.

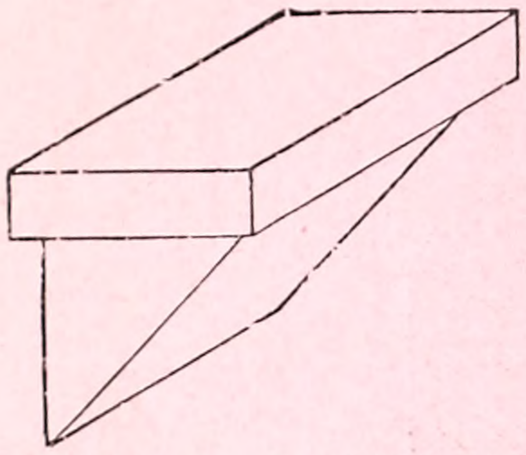
All Flaps sent out are accurately fitted together and adjusted before leaving the works, and should not be taken to pieces in order to be fixed, and the gutter frame must not be fixed without the Flaps in it.

Care must be taken to keep the gutter frame quite square with the Flaps, and out of winding, before bedding solid and grouting with neat Portland cement; let them remain untouched for two days, or longer if possible.

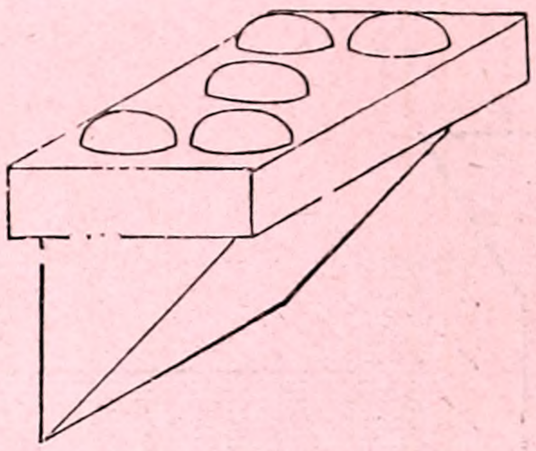
DETAILS OF SOME OF THE ST. PANCRAS FLINT GLASS LENSES.

QUARTER FULL SIZE, LINEAL.

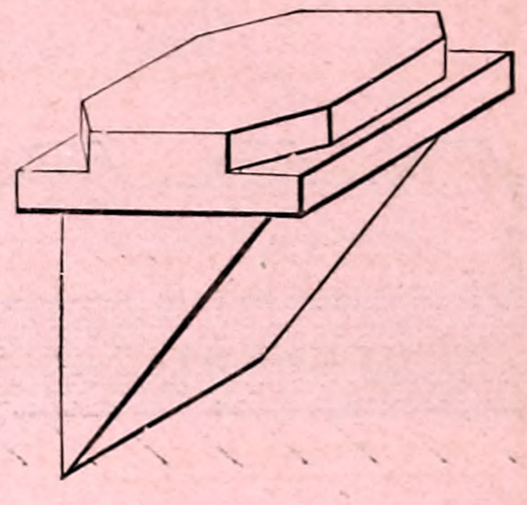
REFERRED TO IN THE FOLLOWING PAGES.



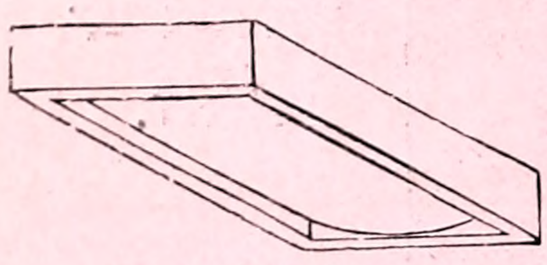
4 in. by 3 in. Semi-Prism.
Also similar, 3 in. by 3 in., and 4 in. by 4 in.



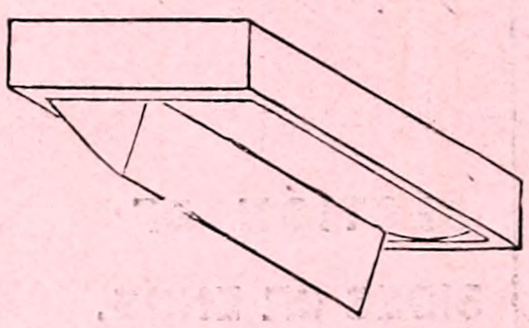
4 in. by 3 in. Semi-Prism, with Buttons.



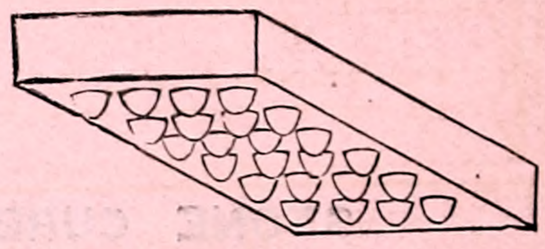
3 in. by 3 in. octagonal, Semi-Prism.



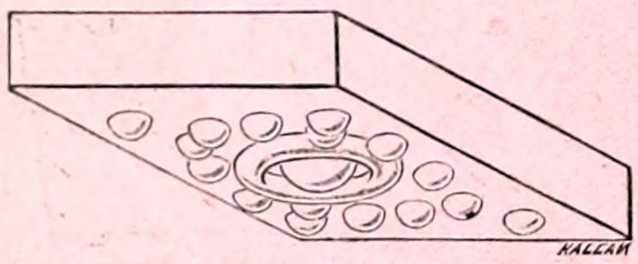
4 in. by 3 in. Convex.
Also similar, 4 in. by 4 in.; 4 in. by 6 in.; $5\frac{1}{2}$ in. by $5\frac{1}{2}$ in.; and 3 in. by 3 in.



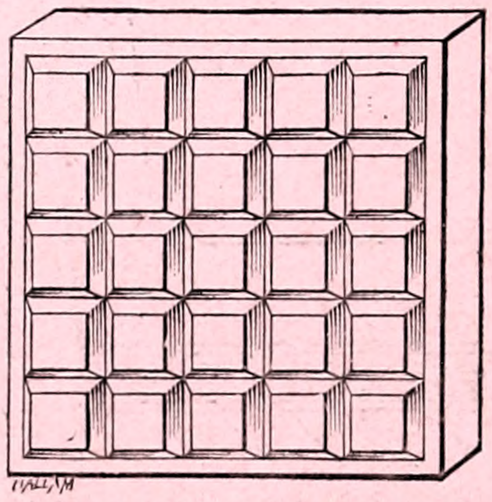
4 in. by 3 in. Small Semi-Prism.



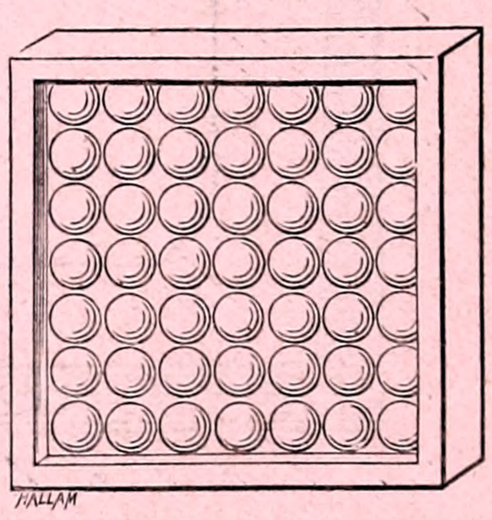
4 in. by 3 in. Bead.
Also similar, 4 in. by 6 in.



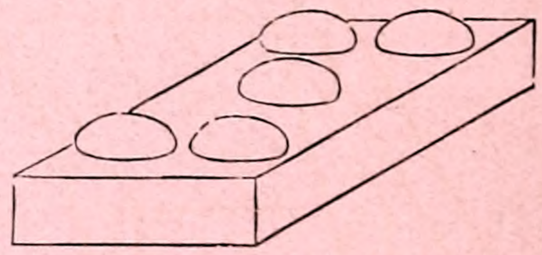
4 in. by 4 in. Button.



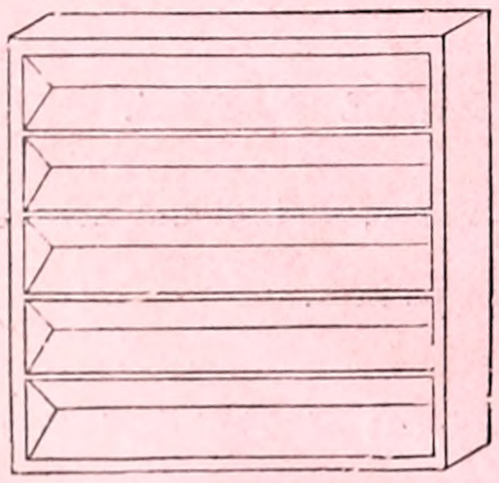
$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in. Chequer.
Also similar, 4 in. by 3 in.; 4 in. by 4 in.; 4 in. by 6 in.; and $5\frac{1}{2}$ in. by $11\frac{1}{4}$ in.



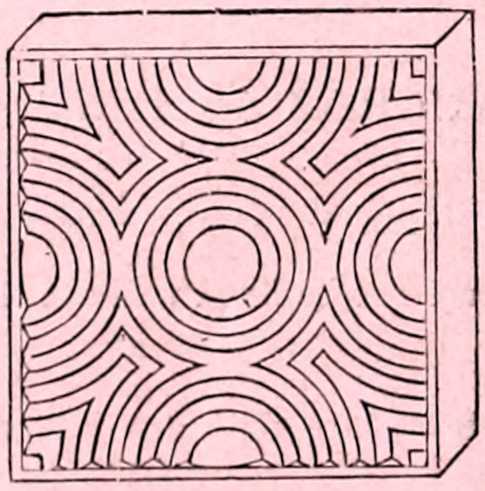
$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in. Bead.



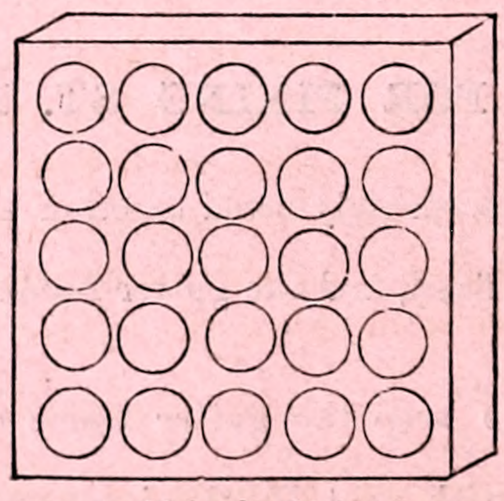
4 in. by 3 in. Convex, with Buttons.



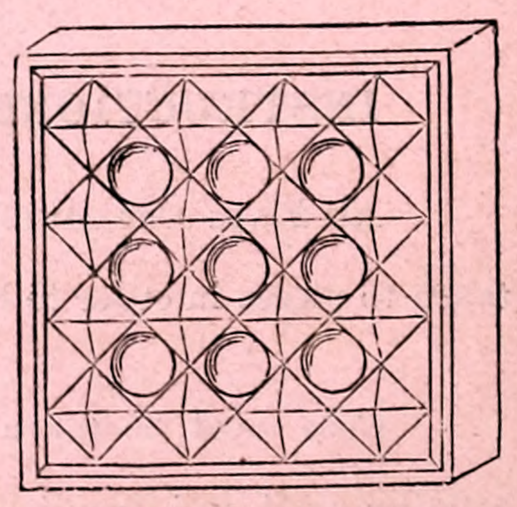
$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in. Small Prism.
Also similar, $5\frac{1}{2}$ in. by $11\frac{1}{4}$ in.; and 4 in. by 3 in.



$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in.
Lighthouse Registered.

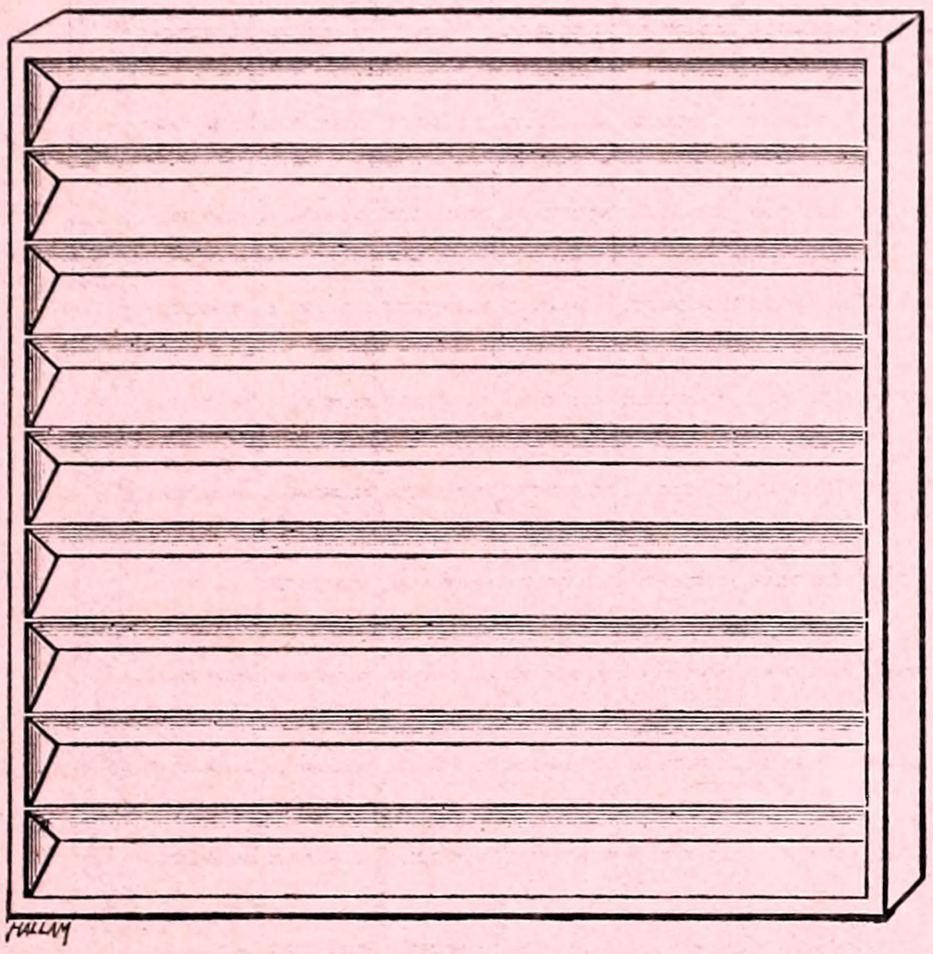


$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in.
25 Button.

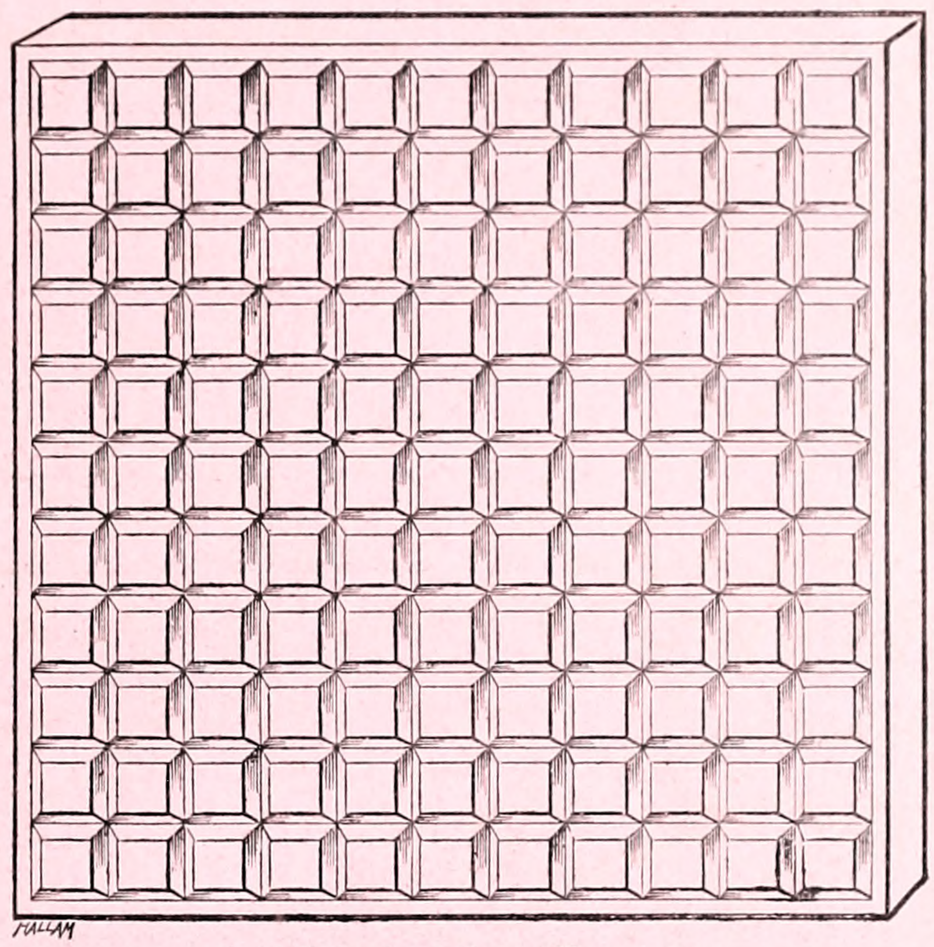


$5\frac{1}{2}$ in. by $5\frac{1}{2}$ in.
Oxford.

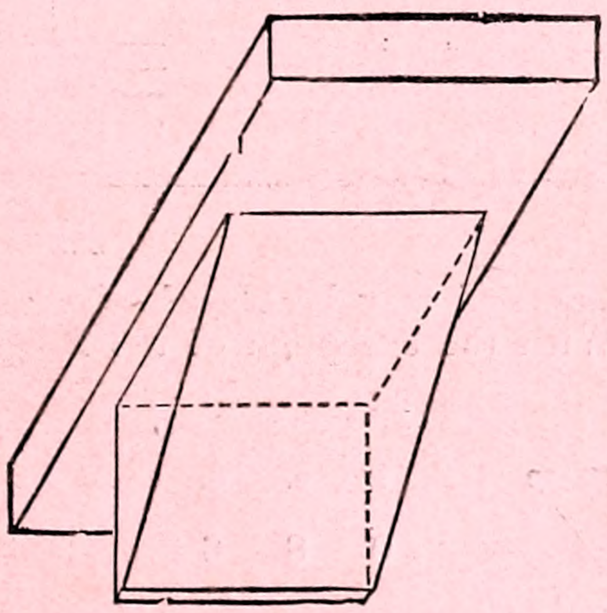
DETAILS OF SOME OF THE ST. PANCRAS FLINT GLASS LENSES—*Contd.*



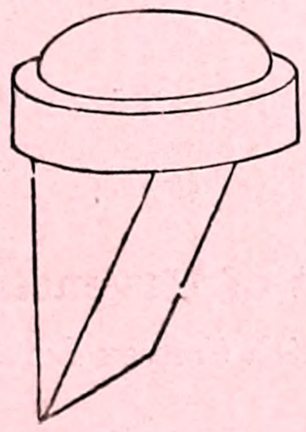
11¼ in. by 11¼ in. Prismatic.



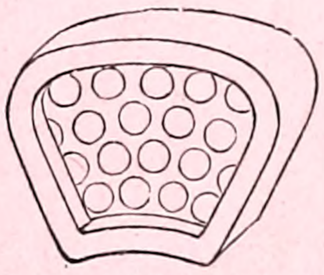
11¼ in. by 11¼ in. Chequer.



4 in. by 6 in. Semi-Prism.
Also similar, 5½ in. by 5½ in.



Registered Circular, Semi-Prism.



Coal Plate.

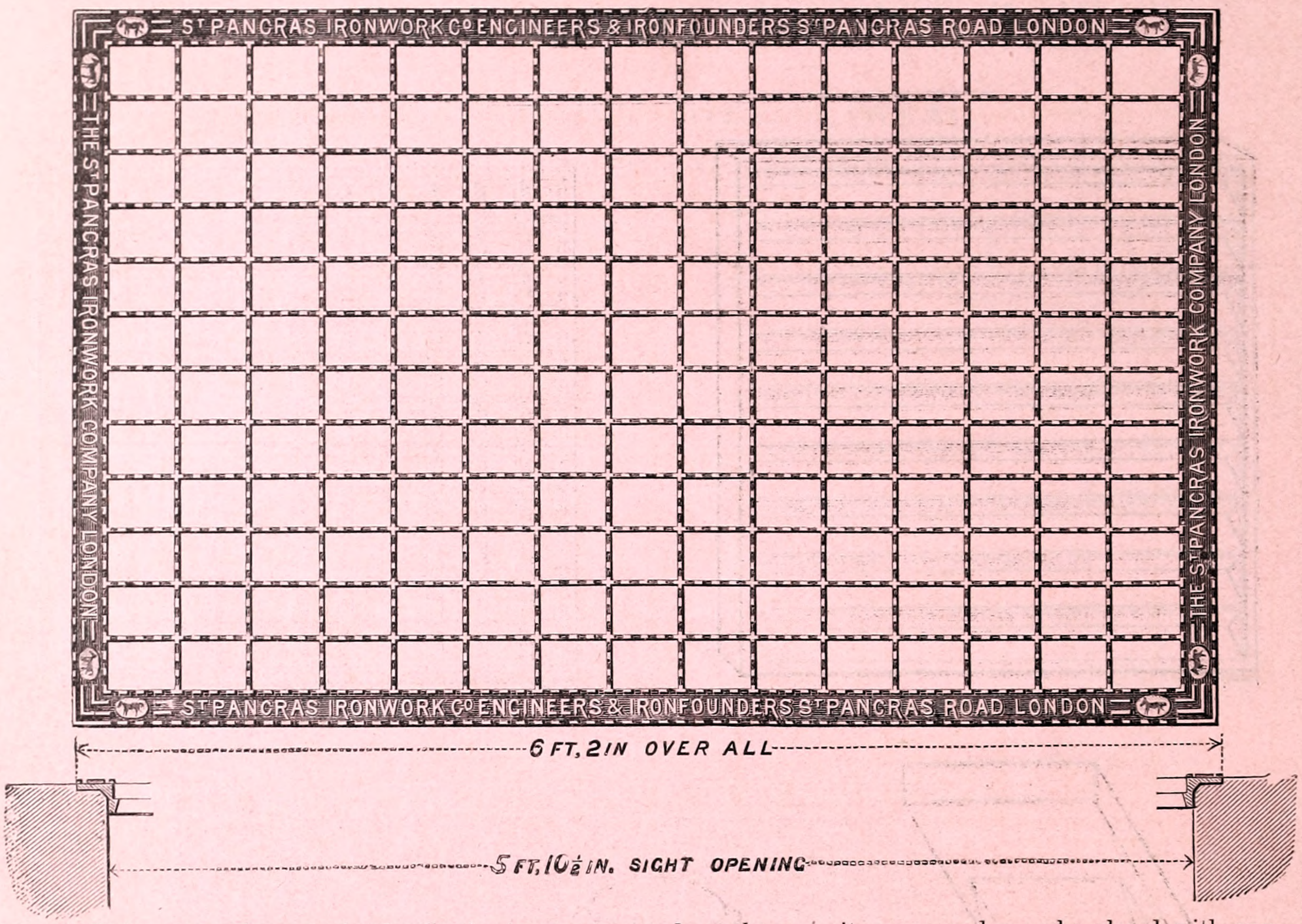
Registered Circular, Convex.

The Prismatic Lenses are used when the light requires to be reflected in a horizontal direction. Many other sizes are made beside those shown on these pages, and in the Prismatic Lenses varying angles are made so that the light may be directed, when required, in different directions. The Lenses with convex under-sides are used for diffusing the light. Those with hemispheres on the top absorb a larger amount of light than those with flat surfaces, and distribute it again from the under-sides by either reflection or diffusion. For brilliancy and beauty of effect where appearance is an object, the Beaded and Lighthouse patterns are unapproached.

The St. Pancras Ironwork Company are always glad to give advice as to the best plans for lighting Basements, and invite Architects and others to inspect their Show-rooms at St. Pancras Road.

No. 1 PATTERN PAVEMENT LIGHT.

4 in. by 3 in. Lenses.



This pattern is made in the Stock sizes enumerated on the opposite page, and may be glazed with any of the following kinds of Lenses, which are shown in detail on pages 6 and 7. With the exception of the Rough Plate all are made of the best English Colourless Flint Glass.

	Price per foot super, Stock sizes. £	s.	d.
For Reflecting Light to Back Part of Basement:			
Semi-Prism Lenses, in alternate rows with Convex Lenses ...	0	8	6
Ditto, Ditto, but with Hemispherical Buttons on Top	0	10	6
Small Semi-Prism Lenses	0	6	3
For Diffusing Light:			
Convex Lenses	0	5	6
Button „ Buttons above	0	6	0
24 Bead „ Beads below	0	6	0
Chequered Lenses	0	6	0
Best Rough Plate, ¾ in. thick	0	4	6
Extra for special sizes to order	0	1	0
„ „ Water-bar, per foot run...	0	0	6

Ventilating Panels in place of Lenses supplied without extra charge. See page 11.

No. 1 PATTERN PAVEMENT LIGHT.

4 in. by 3 in. Lenses.

STOCK SIZES OF FRAMES. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
4 ×	3	1	10½ × 1	2¾ =	2	4	
,,	4	,,	,,	1	6¼ =	2	11
,,	5	,,	,,	1	9¾ =	3	5
,,	6	,,	,,	2	1¼ =	4	0
,,	7	,,	,,	2	4¾ =	4	6
,,	8	,,	,,	2	8¼ =	5	1
5 ×	3	2	3½ × 1	2¾ =	2	10	
,,	4	,,	,,	1	6¼ =	3	6
,,	5	,,	,,	1	9¾ =	4	2
,,	6	,,	,,	2	1¼ =	4	10
,,	7	,,	,,	2	4¾ =	5	6
,,	8	,,	,,	2	8¼ =	6	2
6 ×	3	2	8 × 1	2¾ =	3	4	
,,	4	,,	,,	1	6¼ =	4	1
,,	5	,,	,,	1	9¾ =	4	10
,,	6	,,	,,	2	1¼ =	5	8
,,	7	,,	,,	2	4¾ =	6	5
,,	8	,,	,,	2	8¼ =	7	2
7 ×	3	3	0½ × 1	2¾ =	3	9	
,,	4	,,	,,	1	6¼ =	4	8
,,	5	,,	,,	1	9¾ =	5	7
,,	6	,,	,,	2	1¼ =	6	5
,,	7	,,	,,	2	4¾ =	7	4
,,	8	,,	,,	2	8¼ =	8	3
,,	9	,,	,,	2	11¾ =	9	1
8 ×	3	3	5½ × 1	2¾ =	4	3	
,,	4	,,	,,	1	6¼ =	5	4
,,	5	,,	,,	1	9¾ =	6	4
,,	6	,,	,,	2	1¼ =	7	4
,,	7	,,	,,	2	4¾ =	8	4
,,	8	,,	,,	2	8¼ =	9	4
,,	9	,,	,,	2	11¾ =	10	4
,,	10	,,	,,	3	3¼ =	11	4
9 ×	3	3	10 × 1	2¾ =	4	9	
,,	4	,,	,,	1	6¼ =	5	10
,,	5	,,	,,	1	9¾ =	7	0
,,	6	,,	,,	2	1¼ =	8	1
,,	7	,,	,,	2	4¾ =	9	3
,,	8	,,	,,	2	8¼ =	10	4
,,	9	,,	,,	2	11¾ =	11	5
,,	10	,,	,,	3	3¼ =	12	7
,,	12	,,	,,	3	10¼ =	14	10
10 ×	3	4	2½ × 1	2¾ =	5	2	
,,	4	,,	,,	1	6¼ =	6	5
,,	5	,,	,,	1	9¾ =	7	8
,,	6	,,	,,	2	1¼ =	8	11
,,	7	,,	,,	2	4¾ =	10	1
,,	8	,,	,,	2	8¼ =	11	4
,,	9	,,	,,	2	11¾ =	12	7
,,	10	,,	,,	3	3¼ =	13	10
,,	12	,,	,,	3	10¼ =	16	3
11 ×	3	4	7¼ × 1	2¾ =	5	8	
,,	4	,,	,,	1	6¼ =	7	0
,,	5	,,	,,	1	9¾ =	8	5
,,	6	,,	,,	2	1¼ =	9	9
,,	7	,,	,,	2	4¾ =	11	1
,,	8	,,	,,	2	8¼ =	12	5
,,	9	,,	,,	2	11¾ =	13	7
,,	10	,,	,,	3	3¼ =	15	1
,,	12	,,	,,	3	10¼ =	17	10
12 ×	3	5	0 × 1	2¾ =	6	2	
,,	4	,,	,,	1	6¼ =	7	8
,,	5	,,	,,	1	9¾ =	9	1
,,	6	,,	,,	2	1¼ =	10	5
,,	7	,,	,,	2	4¾ =	12	0
,,	8	,,	,,	2	8¼ =	13	6
,,	9	,,	,,	2	11¾ =	14	11
,,	10	,,	,,	3	3¼ =	16	5
,,	12	,,	,,	3	10¼ =	19	4
13 ×	3	5	4½ × 1	2¾ =	6	8	
,,	4	,,	,,	1	6¼ =	8	3
,,	5	,,	,,	1	9¾ =	9	9
,,	6	,,	,,	2	1¼ =	11	4
,,	7	,,	,,	2	4¾ =	12	11
,,	8	,,	,,	2	8¼ =	14	5
,,	9	,,	,,	2	11¾ =	16	1
,,	10	,,	,,	3	3¼ =	17	7
,,	12	,,	,,	3	10¼ =	20	8
14 ×	3	5	9 × 1	2¾ =	7	1	
,,	4	,,	,,	1	6¼ =	8	9
,,	5	,,	,,	1	9¾ =	10	5
,,	6	,,	,,	2	1¼ =	12	2
,,	7	,,	,,	2	4¾ =	13	10
,,	8	,,	,,	2	8¼ =	15	6
,,	9	,,	,,	2	11¾ =	17	2
,,	10	,,	,,	3	3¼ =	18	10
,,	12	,,	,,	3	10¼ =	22	2
15 ×	3	6	2 × 1	2¾ =	7	7	
,,	4	,,	,,	1	6¼ =	9	5
,,	5	,,	,,	1	9¾ =	11	3
,,	6	,,	,,	2	1¼ =	13	0
,,	7	,,	,,	2	4¾ =	14	10
,,	8	,,	,,	2	8¼ =	16	7
,,	9	,,	,,	2	11¾ =	18	5
,,	10	,,	,,	3	3¼ =	20	2
,,	12	,,	,,	3	10¼ =	23	10
16 ×	4	6	6½ × 1	6¼ =	10	0	
,,	5	,,	,,	1	9¾ =	11	11
,,	6	,,	,,	2	1¼ =	13	10
,,	7	,,	,,	2	4¾ =	15	9
,,	8	,,	,,	2	8¼ =	17	7
17 ×	4	6	11 × 1	6¼ =	10	7	
,,	5	,,	,,	1	9¾ =	12	7
,,	6	,,	,,	2	1¼ =	14	7
,,	7	,,	,,	2	4¾ =	16	7
,,	8	,,	,,	2	8¼ =	18	7
18 ×	4	7	4 × 1	6¼ =	11	2	
,,	5	,,	,,	1	9¾ =	13	4
,,	6	,,	,,	2	1¼ =	15	6
,,	7	,,	,,	2	4¾ =	17	7
,,	8	,,	,,	2	8¼ =	19	9

NOTE.—In the table above "length" denotes the dimension parallel with the building; "depth" that from back to front.

The sizes of Iron Frames above are kept in stock; to set the Lenses in them requires a few days.

Other sizes can be made to order, and if of irregular shape it is best to send a template or figured sketch.

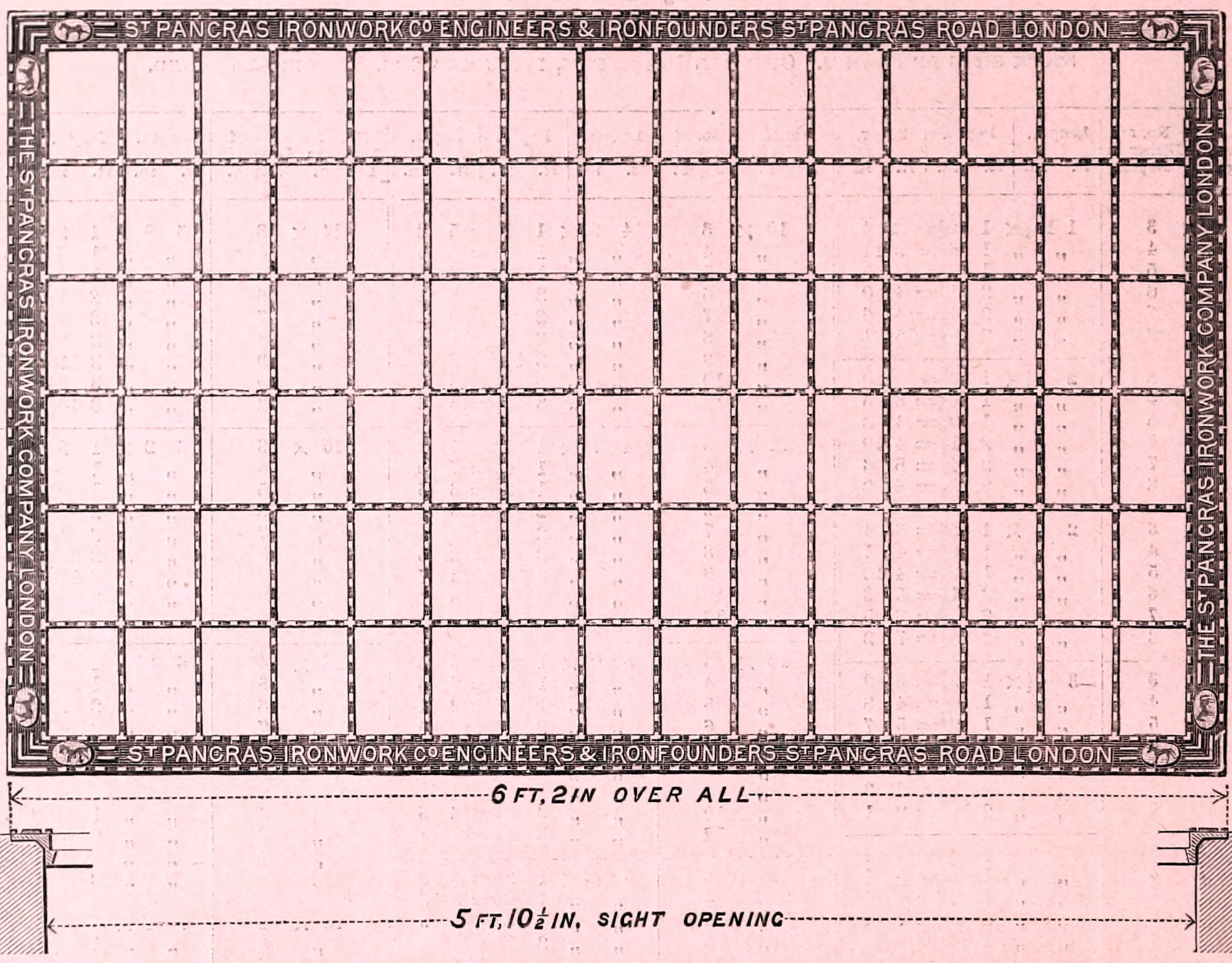
This pattern may also be had with a smooth top.

In ordering, the following particulars should be given:—Pattern number. Kind of Lens. Over-all size.

Number and position of Ventilating Panels, if required. Whether Water-bar is required.

No. 2 PATTERN PAVEMENT LIGHT.

4 in. by 6 in. Lenses.



This pattern is made in the Stock sizes enumerated on the opposite page, and may be glazed with any of the following kinds of Lenses, which are shown in detail on pages 6 and 7. With the exception of the Rough Plate, all are made of the best English Colourless Flint Glass.

	Price per foot super. Stock sizes. £ s. d.
For Reflecting Light to Back Part of Basement:	
Semi-Prism Lenses	0 9 0
Multiple Semi-Prism Lenses	0 7 0
For Diffusing Light:	
Convex Pattern	0 5 6
24 Button Pattern. Buttons on Tops	0 6 6
66 Bead ,, Beads under-side	0 6 6
Chequered	0 6 6
Best Rough Plate, ¾ in. thick	0 4 6
Extra for special sizes to order	0 1 0
,, Water-bar, per foot run	0 0 6

Ventilating Panels in place of Lenses supplied without extra charge. See page 11.

No. 2 PATTERN PAVEMENT LIGHT.

4 in. by 6 in. Lenses.

STOCK SIZES OF FRAMES. OVER-ALL DIMENSIONS, INCLUDING 2-in. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
4	2	1 10½	1 6¼	2 11
4	3	1 10½	2 1¼	4 0
4	4	1 10½	2 8¼	5 1
5	2	2 3½	1 6¼	3 6
5	3	2 3½	2 1¼	4 10
5	4	2 3½	2 8¼	6 2
6	2	2 8	1 6¼	4 1
6	3	2 8	2 1¼	5 8
6	4	2 8	2 8¼	7 2
7	2	3 0½	1 6¼	4 8
7	3	3 0½	2 1¼	6 5
7	4	3 0½	2 8¼	8 3
8	2	3 5½	1 6¼	5 4
8	3	3 5½	2 1¼	7 4
8	4	3 5½	2 8¼	9 4
8	5	3 5½	3 3¼	11 4
9	2	3 10	1 6¼	5 10
9	3	3 10	2 1¼	8 1
9	4	3 10	2 8¼	10 4
9	5	3 10	3 3¼	12 7
9	6	3 10	3 10¼	14 10
10	2	4 2½	1 6¼	6 5
10	3	4 2½	2 1¼	8 11
10	4	4 2½	2 8¼	11 4
10	5	4 2½	3 3¼	13 10
10	6	4 2½	3 10¼	16 3
11	2	4 7¼	1 6¼	7 0
11	3	4 7¼	2 1¼	9 9
11	4	4 7¼	2 8¼	12 5
11	5	4 7¼	3 3¼	15 1
11	6	4 7¼	3 10¼	17 10
12	2	5 0	1 6¼	7 8
12	3	5 0	2 1¼	10 5
12	4	5 0	2 8¼	13 6
12	5	5 0	3 3¼	16 5
12	6	5 0	3 10¼	19 4
13	2	5 4½	1 6¼	8 3
13	3	5 4½	2 1¼	11 4
13	4	5 4½	2 8¼	14 5
13	5	5 4½	3 3¼	17 7
13	6	5 4½	3 10¼	20 8
14	2	5 9	1 6¼	8 9
14	3	5 9	2 1¼	12 2
14	4	5 9	2 8¼	15 6
14	5	5 9	3 3¼	18 10
14	6	5 9	3 10¼	22 2
15	2	6 2	1 6¼	9 5
15	3	6 2	2 1¼	13 0
15	4	6 2	2 8¼	16 7
15	5	6 2	3 3¼	20 2
15	6	6 2	3 10¼	23 10
16	2	6 6½	1 6¼	10 0
16	3	6 6½	2 1¼	13 10
16	4	6 6½	2 8¼	17 7
17	2	6 11	1 6¼	10 7
17	3	6 11	2 1¼	14 7
17	4	6 11	2 8¼	18 7
18	2	7 4	1 6¼	11 2
18	3	7 4	2 1¼	15 6
18	4	7 4	2 8¼	19 9

NOTE.—In the table above "length" denotes the dimension parallel with the building; "depth" that from back to front.

The sizes of Iron Frames above are kept in Stock; to set the Lenses in them requires a few days.
Other sizes can be made to order, and if of irregular shape, it is best to send a template or figured sketch.
In ordering, the following particulars should be given:—Pattern number. Kind of Lens. Over-all size. Number and position of Ventilating Panels, if required. Whether Water-bar is required.

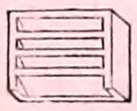
Information, Advice, and Estimates will be gladly given when desired.

Ventilating Panels for St. Pancras Pavement Lights and Stall Boards.

FOR FIXING IN THE FRAMES INSTEAD OF LENSES.

Round Hole.

Square Hole.



Louvre.

Tile Light.

Circular.
For No. 5 pattern.

These are 4 in. by 3 in., for use in No. 1 pattern. Page 8.

Round Hole.

Square Hole.

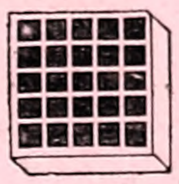
Louvre.

Louvre.
For No. 3 pattern. Page 12.

These are 4 in. by 6 in., for use in No. 2 pattern. Page 10.

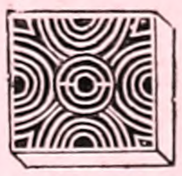
Round or Square Hole Panels may also be had.

Round Hole.



Square Hole.

Quatrefoil.



Lighthouse.

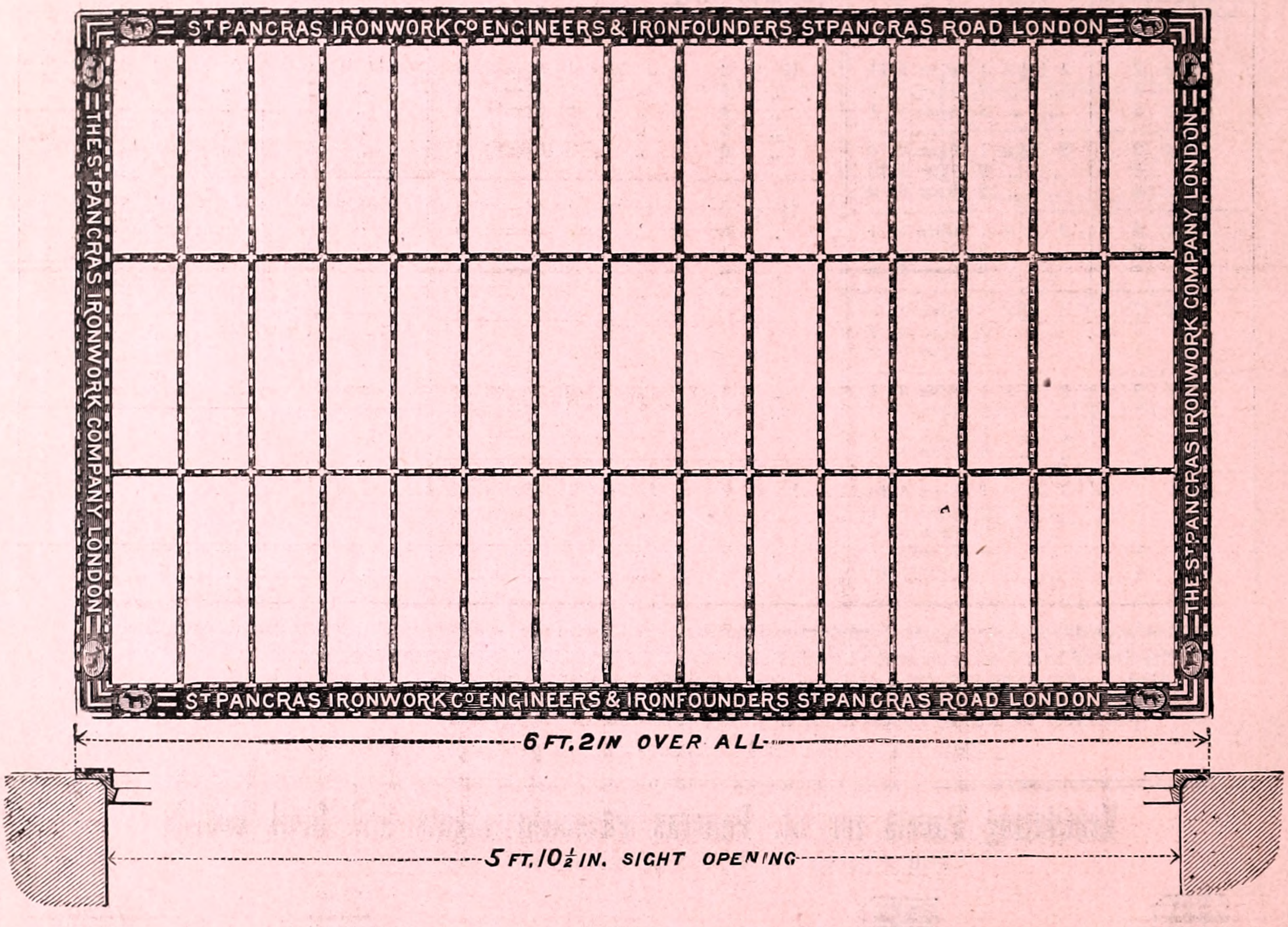
Hit-and-Miss.

These are 5½ in. by 5½ in., for use in Stall Board and Floor Lights.

Ventilating Panels are also made for all the patterns of Frames shown in this Catalogue.

No. 3 PATTERN PAVEMENT LIGHT.

4 in. by 13½ in. Glasses.



This pattern is made in the Stock sizes enumerated on the opposite page, and is glazed with the best Rough Plate, nearly colourless, and very hard and strong; the surface is roughened to prevent slipping.

	£	s.	d.
Price per foot super, in Stock sizes	0	4	6
Ditto ditto in special sizes to order	0	5	6
Price per foot run of Water-bar extra	0	0	6

Ventilating Panels, in place of Glass, supplied without extra charge. See page 11.

In ordering, the following particulars should be given :—Pattern number. Over-all size. Number and position of Ventilating Panels, if required. Whether Water-bar is required.

No. 3 PATTERN PAVEMENT LIGHT.

4 in. by 13½ in. Glasses.

STOCK SIZES OF FRAMES. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
4 ×	¾	1	10½ × 1		2¾ =	2	4
,,	1	,,	,, 1		6¼ =	2	11
,,	1¼	,,	,, 1		9¾ =	3	5
,,	1½	,,	,, 2		1¼ =	4	0
,,	1¾	,,	,, 2		4¾ =	4	6
,,	2	,,	,, 2		8¼ =	5	1
5 ×	¾	2	3½ × 1		2¾ =	2	10
,,	1	,,	,, 1		6¼ =	3	6
,,	1¼	,,	,, 1		9¾ =	4	2
,,	1½	,,	,, 2		1¼ =	4	10
,,	1¾	,,	,, 2		4¾ =	5	6
,,	2	,,	,, 2		8¼ =	6	2
6 ×	¾	2	8 × 1		2¾ =	3	4
,,	1	,,	,, 1		6¼ =	4	1
,,	1¼	,,	,, 1		9¾ =	4	10
,,	1½	,,	,, 2		1¼ =	5	8
,,	1¾	,,	,, 2		4¾ =	6	5
,,	2	,,	,, 2		8¼ =	7	2
7 ×	¾	3	0½ × 1		2¾ =	3	9
,,	1	,,	,, 1		6¼ =	4	8
,,	1¼	,,	,, 1		9¾ =	5	7
,,	1½	,,	,, 2		1¼ =	6	5
,,	1¾	,,	,, 2		4¾ =	7	4
,,	2	,,	,, 2		8¼ =	8	3
,,	2¼	,,	,, 2		11¾ =	9	1
8 ×	¾	3	5½ × 1		2¾ =	4	3
,,	1	,,	,, 1		6¼ =	5	4
,,	1¼	,,	,, 1		9¾ =	6	4
,,	1½	,,	,, 2		1¼ =	7	4
,,	1¾	,,	,, 2		4¾ =	8	4
,,	2	,,	,, 2		8¼ =	9	4
,,	2¼	,,	,, 2		11¾ =	10	4
,,	2½	,,	,, 3		3¼ =	11	4
9 ×	¾	3	10 × 1		2¾ =	4	9
,,	1	,,	,, 1		6¼ =	5	10
,,	1¼	,,	,, 1		9¾ =	7	0
,,	1½	,,	,, 2		1¼ =	8	1
,,	1¾	,,	,, 2		4¾ =	9	3
,,	2	,,	,, 2		8¼ =	10	4
,,	2¼	,,	,, 2		11¾ =	11	5
,,	2½	,,	,, 3		3¼ =	12	7
,,	3	,,	,, 3		10¼ =	14	10
10 ×	¾	4	2½ × 1		2¾ =	5	2
,,	1	,,	,, 1		6¼ =	6	5
,,	1¼	,,	,, 1		9¾ =	7	8
,,	1½	,,	,, 2		1¼ =	8	11
,,	1¾	,,	,, 2		4¾ =	10	1
,,	2	,,	,, 2		8¼ =	11	4
,,	2¼	,,	,, 2		11¾ =	12	7
,,	2½	,,	,, 3		3¼ =	13	10
,,	3	,,	,, 3		10¼ =	16	3
11 ×	¾	4	7¼ × 1		2¾ =	5	8
,,	1	,,	,, 1		6¼ =	7	0
,,	1¼	,,	,, 1		9¾ =	8	5
,,	1½	,,	,, 2		1¼ =	9	9
,,	1¾	,,	,, 2		4¾ =	11	1
,,	2	,,	,, 2		8¼ =	12	5
,,	2¼	,,	,, 2		11¾ =	13	7
,,	2½	,,	,, 3		3¼ =	15	1
,,	3	,,	,, 3		10¼ =	17	10
12 ×	¾	5	0 × 1		2¾ =	6	2
,,	1	,,	,, 1		6¼ =	7	8
,,	1¼	,,	,, 1		9¾ =	9	1
,,	1½	,,	,, 2		1¼ =	10	5
,,	1¾	,,	,, 2		4¾ =	12	0
,,	2	,,	,, 2		8¼ =	13	6
,,	2¼	,,	,, 2		11¾ =	14	11
,,	2½	,,	,, 3		3¼ =	16	5
,,	3	,,	,, 3		10¼ =	19	4
13 ×	¾	5	4½ × 1		2¾ =	6	8
,,	1	,,	,, 1		6¼ =	8	3
,,	1¼	,,	,, 1		9¾ =	9	9
,,	1½	,,	,, 2		1¼ =	11	4
,,	1¾	,,	,, 2		4¾ =	12	11
,,	2	,,	,, 2		8¼ =	14	5
,,	2¼	,,	,, 2		11¾ =	16	1
,,	2½	,,	,, 3		3¼ =	17	7
,,	3	,,	,, 3		10¼ =	20	8
14 ×	¾	5	9 × 1		2¾ =	7	1
,,	1	,,	,, 1		6¼ =	8	9
,,	1¼	,,	,, 1		9¾ =	10	5
,,	1½	,,	,, 2		1¼ =	12	2
,,	1¾	,,	,, 2		4¾ =	13	10
,,	2	,,	,, 2		8¼ =	15	6
,,	2¼	,,	,, 2		11¾ =	17	2
,,	2½	,,	,, 3		3¼ =	18	10
,,	3	,,	,, 3		10¼ =	22	2
15 ×	¾	6	2 × 1		2¾ =	7	7
,,	1	,,	,, 1		6¼ =	9	5
,,	1¼	,,	,, 1		9¾ =	11	3
,,	1½	,,	,, 2		1¼ =	13	0
,,	1¾	,,	,, 2		4¾ =	14	10
,,	2	,,	,, 2		8¼ =	16	7
,,	2¼	,,	,, 2		11¾ =	18	5
,,	2½	,,	,, 3		3¼ =	20	2
,,	3	,,	,, 3		10¼ =	23	10
16 ×	1	6	6½ × 1		6¼ =	10	0
,,	1¼	,,	,, 1		9¾ =	11	11
,,	1½	,,	,, 2		1¼ =	13	10
,,	1¾	,,	,, 2		4¾ =	15	9
,,	2	,,	,, 2		8¼ =	17	7
17 ×	1	6	11 × 1		6¼ =	10	7
,,	1¼	,,	,, 1		9¾ =	12	7
,,	1½	,,	,, 2		1¼ =	14	7
,,	1¾	,,	,, 2		4¾ =	16	7
,,	2	,,	,, 2		8¼ =	18	7
18 ×	1	7	4 × 1		6¼ =	11	2
,,	1¼	,,	,, 1		9¾ =	13	4
,,	1½	,,	,, 2		1¼ =	15	6
,,	1¾	,,	,, 2		4¾ =	17	7
,,	2	,,	,, 2		8¼ =	19	9

NOTE.—In the table above "length" denotes the dimension parallel with the building; "depth" that from back to front.

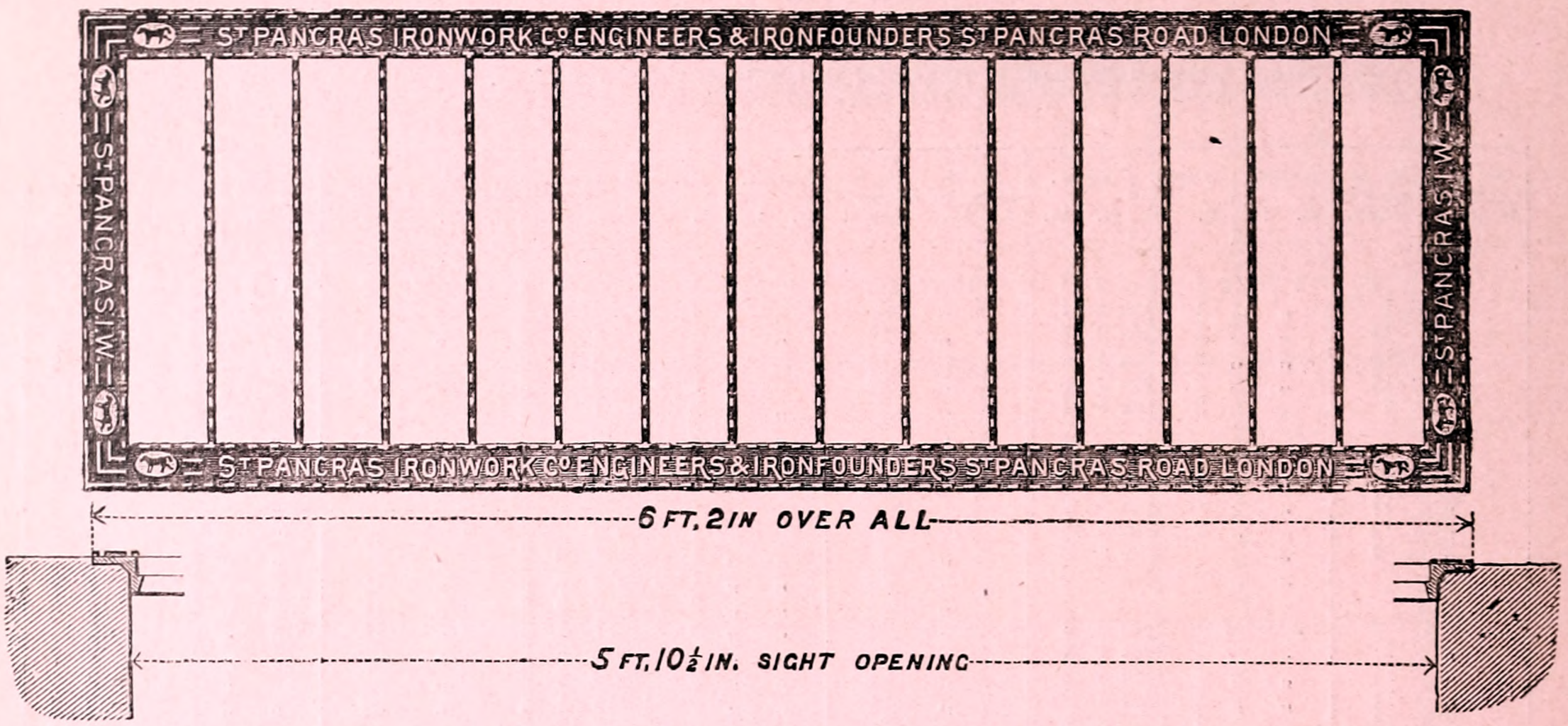
The sizes of Iron Frames above are kept in stock; to set the Lenses in them requires a few days.

Other sizes can be made to order, and if of irregular shape, it is best to send a template or figured sketch.

Information, Advice, and Estimates will be gladly given when desired.

No. 4 PATTERN PAVEMENT LIGHT.

4 in. by 20½ in. Glasses.



This pattern is made in the Stock sizes enumerated below, and is glazed with the best Rough Plate, nearly colourless, and very hard and strong; the surface is roughened to prevent slipping.

Price per foot super, in Stock sizes	£0	4	6
Ditto ditto in special Sizes to order	0	5	6
Price per foot run of Water-bar, extra...	0	0	6

Ventilating Panels, in place of Glass, supplied without extra charge.

STOCK SIZES OF FRAMES. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.		No. of Lenses in Depth.	Length. ft.	in.		Depth. ft.	in.		Super. ft.	in.
4	×	1	1	10½	×	2	1¼	=	4	0
5	,,	1	2	3½		,,	,,	,,	4	10
6	,,	1	2	8		,,	,,	,,	5	8
7	,,	1	3	0½		,,	,,	,,	6	5
8	,,	1	3	5½		,,	,,	,,	7	4
9	,,	1	3	10		,,	,,	,,	8	1
10	,,	1	4	2½		,,	,,	,,	8	11
11	,,	1	4	7¼		,,	,,	,,	9	9
12	,,	1	5	0		,,	,,	,,	10	5
13	,,	1	5	4½		,,	,,	,,	11	4
14	,,	1	5	9		,,	,,	,,	12	2
15	,,	1	6	2		,,	,,	,,	13	0

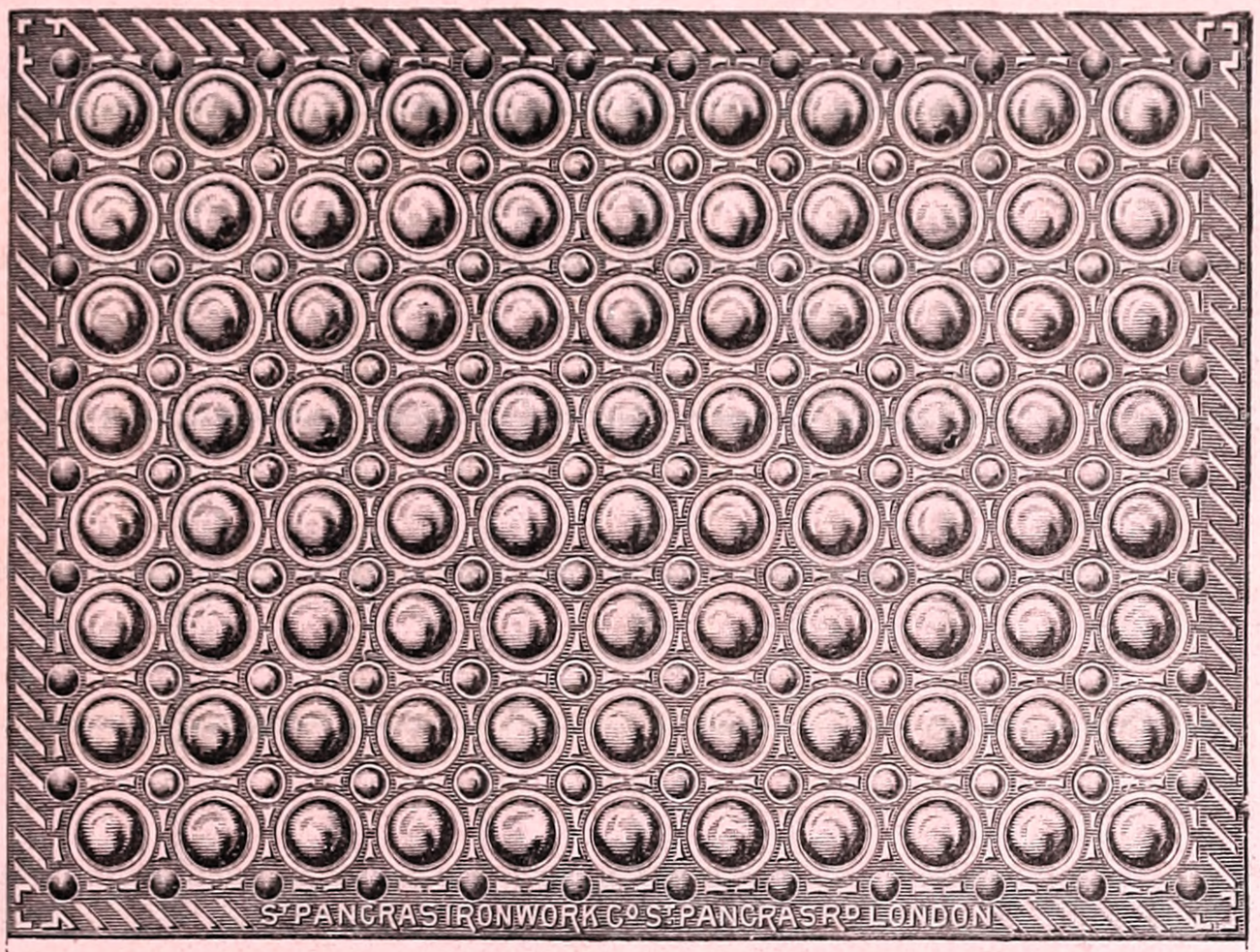
NOTE.—In the table above "length" denotes the dimension parallel with the building; "depth" that from back to front.

The sizes of Iron Frames above are kept in Stock; to set the Lenses in them requires a few days.
In ordering, the following particulars should be given:—Pattern number. Over-all size.
Number and position of Ventilating Panels, if required. Whether Water-bar is required.

Information, Advice, and Estimates will be gladly given when desired.

No. 5 PATTERN PAVEMENT LIGHT.

REGISTERED DESIGN.



This registered pattern is made in the Stock sizes enumerated below, and may be glazed with any of the following kinds of Lenses, which are shown in detail on page 5. All are made of the best English Colourless Flint Glass.

This pattern is very strong, gives a powerful light, which is to a great extent independent of care in cleaning, feels smooth to the foot, and has a bright and attractive appearance, superior to any other. It is particularly well adapted for the fronts of shops, as ladies in thin-soled boots walk on it with safety and comfort. When Semi-Prism Lenses are used in it, they may be arranged in such a way as to reflect the light in any or all directions required, and by this means a most powerful system of Basement Lighting is obtained.

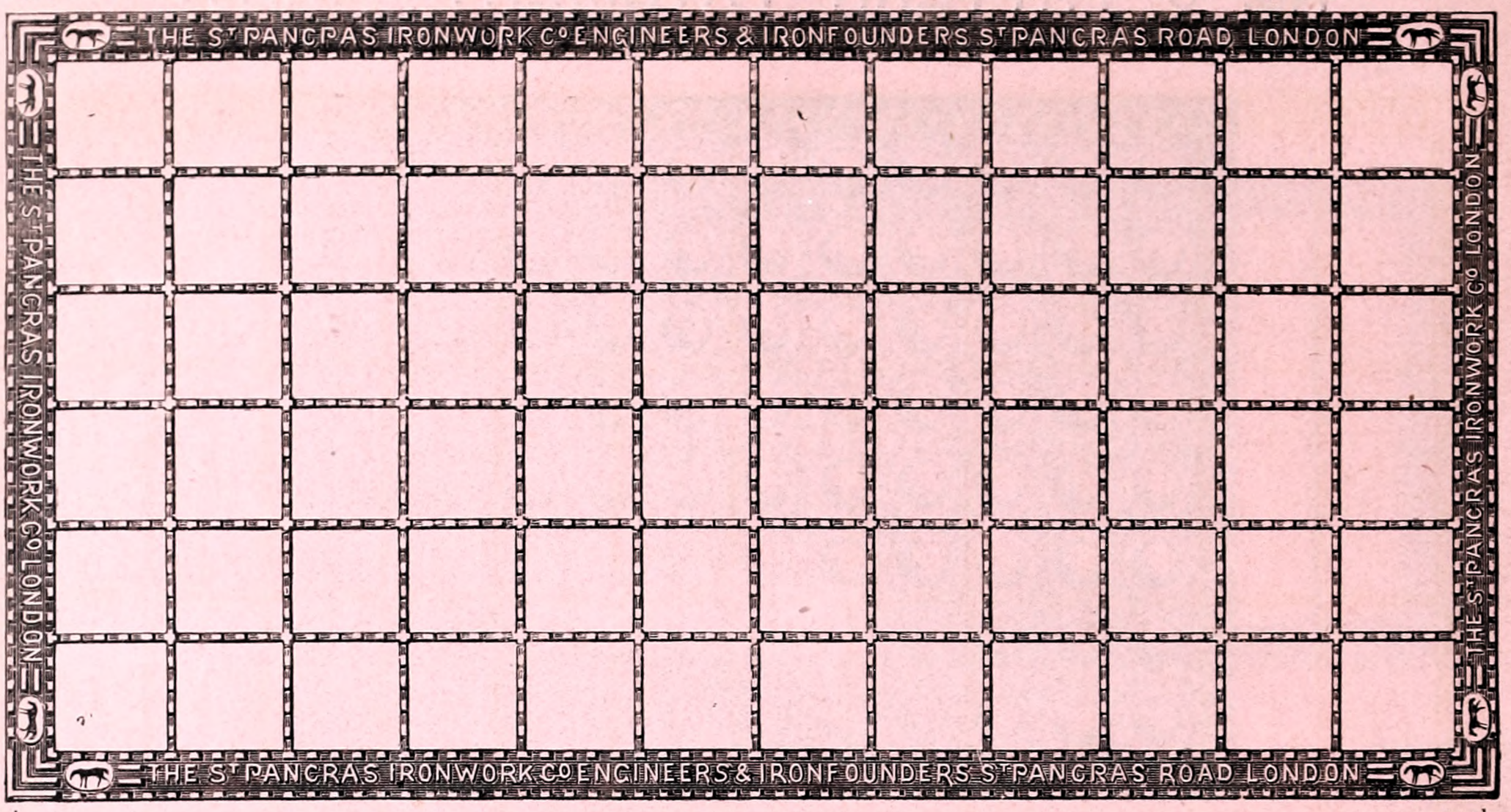
	Price per foot super, Stock Sizes.
For Reflecting Light to any Part of Basement:	
Semi-Prism Lenses, in alternate rows, with Convex Lenses	£0 10 6
For Diffusing Light:	
Convex Lenses	0 8 6
Extra for special sizes to order	0 1 0
„ Water-bar, per foot run	0 0 6

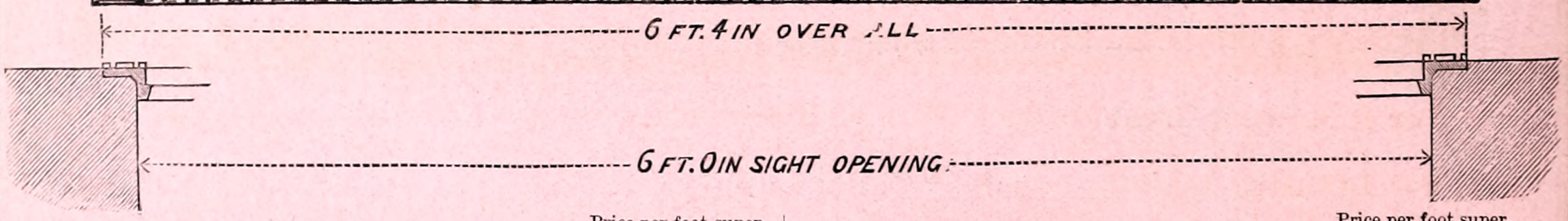
Ventilating Panels, in place of Lenses, supplied without extra charge.

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
5	3	2	0	1	4	2	8
„	4	„	„	1	8	3	4
„	5	„	„	2	0	4	0
6	3	2	4	1	4	3	2
„	4	„	„	1	8	3	11
„	5	„	„	2	0	4	8
„	6	„	„	2	4	5	6
7	3	2	8	1	4	3	7
„	4	„	„	1	8	4	6
„	5	„	„	2	0	5	4
„	6	„	„	2	4	6	3
„	7	„	„	2	8	7	2
8	3	3	0	1	4	4	0
„	4	„	„	1	8	5	0
„	5	„	„	2	0	6	0
„	6	„	„	2	4	7	0
„	7	„	„	2	8	8	0
„	8	„	„	3	0	9	0
9	3	3	4	1	4	4	6
„	4	„	„	1	8	5	7
„	5	„	„	2	0	6	8
„	6	„	„	2	4	7	10
„	7	„	„	2	8	8	11
„	8	„	„	3	0	10	0
10	3	3	8	1	4	4	11
„	4	„	„	1	8	6	2
„	5	„	„	2	0	7	4
„	6	„	„	2	4	8	7
„	7	„	„	2	8	9	10
„	8	„	„	3	0	11	0
11	3	4	0	1	4	5	4
„	4	„	„	1	8	6	8
„	5	„	„	2	0	8	0
„	6	„	„	2	4	9	4
„	7	„	„	2	8	10	8
„	8	„	„	3	0	12	0

No. 6 PATTERN PAVEMENT LIGHT. 5½ in. by 5½ in. Lenses.





For Reflecting Light:	Price per foot super, Stock sizes. £ s. d.
Semi-Prism Lenses	0 9 0
Multiple Semi-Prism Lenses...	0 7 0
Extra for Special Sizes to order	0 1 0

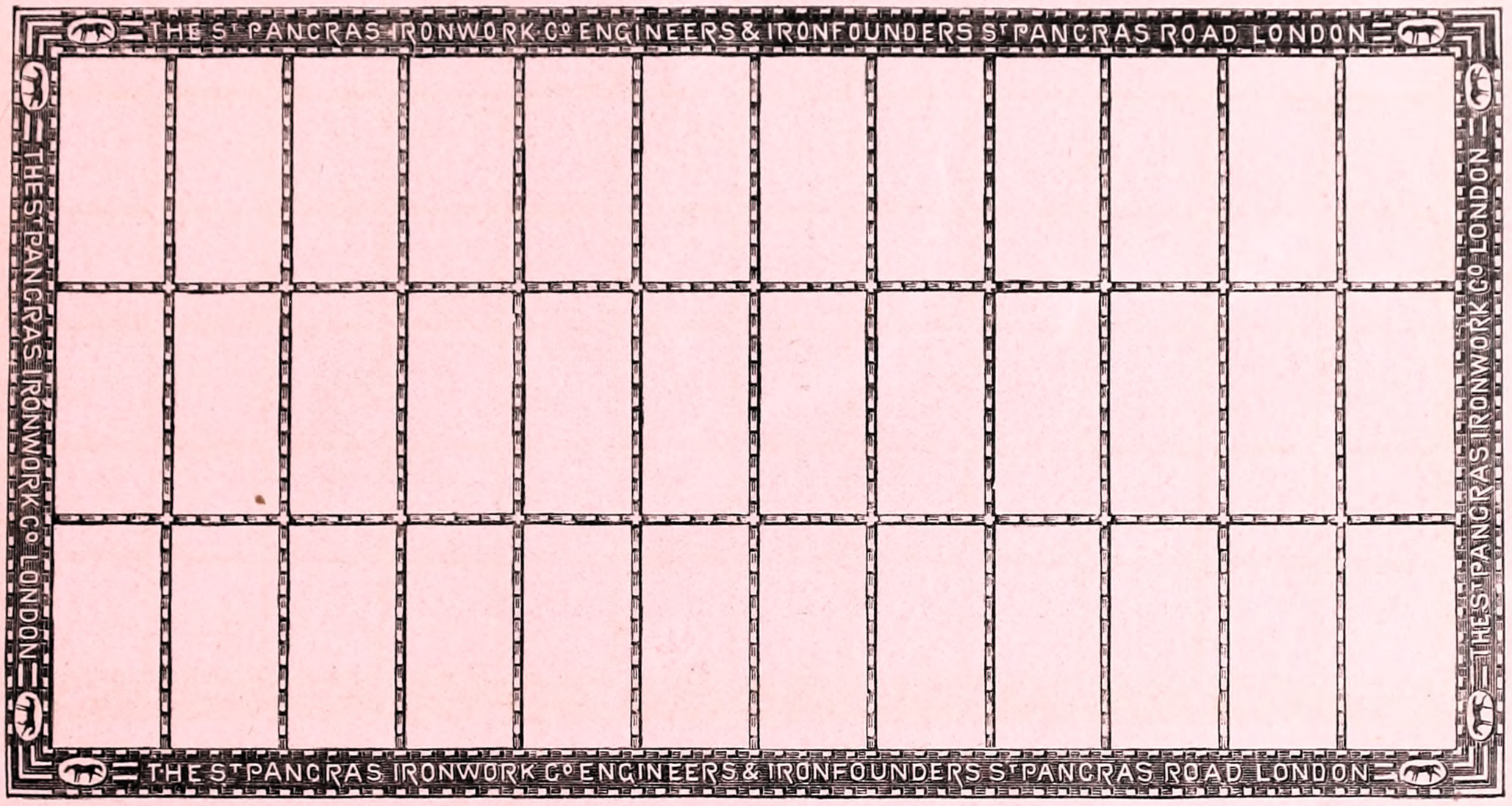
For Diffusing Light:	Price per foot super, Stock sizes. £ s. d.
Lighthouse pattern	0 7 0
Convex, Chequered, 25 Button, Beaded or Oxford.	0 6 6
Best Rough Plate	0 4 6

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
4	2	2 4	1 4	3 2
„	3	„ „	1 10	4 4
„	4	„ „	2 4	5 6
5	2	2 10	1 4	3 10
„	3	„ „	1 10	5 3
„	4	„ „	2 4	6 8
„	5	„ „	2 10	8 1
6	2	3 4	1 4	4 6
„	3	„ „	1 10	6 2
„	4	„ „	2 4	7 10
„	5	„ „	2 10	9 6
„	6	„ „	3 4	11 2
7	2	3 10	1 4	5 2
„	3	„ „	1 10	7 1
„	4	„ „	2 4	9 0
„	5	„ „	2 10	10 11
„	6	„ „	3 4	12 10
8	2	4 4	1 4	5 10
„	3	„ „	1 10	8 0
„	4	„ „	2 4	10 2
„	5	„ „	2 10	12 4
„	6	„ „	3 4	14 6
„	8	„ „	4 4	18 10
9	2	4 10	1 4	6 6
„	3	„ „	1 10	8 11
„	4	„ „	2 4	11 4
„	5	„ „	2 10	13 9
„	6	„ „	3 4	16 2
„	8	„ „	4 4	21 0
10	2	5 4	1 4	7 2
„	3	„ „	1 10	9 10
„	4	„ „	2 4	12 6
„	5	„ „	2 10	15 2
„	6	„ „	3 4	17 10
„	8	„ „	4 4	23 2
„	10	„ „	5 4	28 6
11	2	5 10	1 4	7 10
„	3	„ „	1 10	10 9
„	4	„ „	2 4	13 8
„	5	„ „	2 10	16 7
„	6	„ „	3 4	19 6
„	8	„ „	4 4	25 4
„	10	„ „	5 4	31 2
12	2	6 4	1 4	8 6
„	3	„ „	1 10	11 8
„	4	„ „	2 4	14 10
„	5	„ „	2 10	18 0
„	6	„ „	3 4	21 2
„	8	„ „	4 4	27 6
„	10	„ „	5 4	33 10
13	2	6 10	1 4	9 2
„	3	„ „	1 10	12 7
„	4	„ „	2 4	16 0
„	5	„ „	2 10	19 5
„	6	„ „	3 4	22 10
„	8	„ „	4 4	29 8
14	2	7 4	1 4	9 10
„	3	„ „	1 10	13 6
„	4	„ „	2 4	17 2
„	5	„ „	2 10	20 10
„	6	„ „	3 4	24 6
„	8	„ „	4 4	31 10

No. 7 PATTERN PAVEMENT LIGHT.

5½ in. by 11¼ in. Glasses.



For Reflecting Light to Back Part of Basement:

	Price per ft. super, Stock sizes.
Multiple Semi-Prism Lenses	£0 7 6

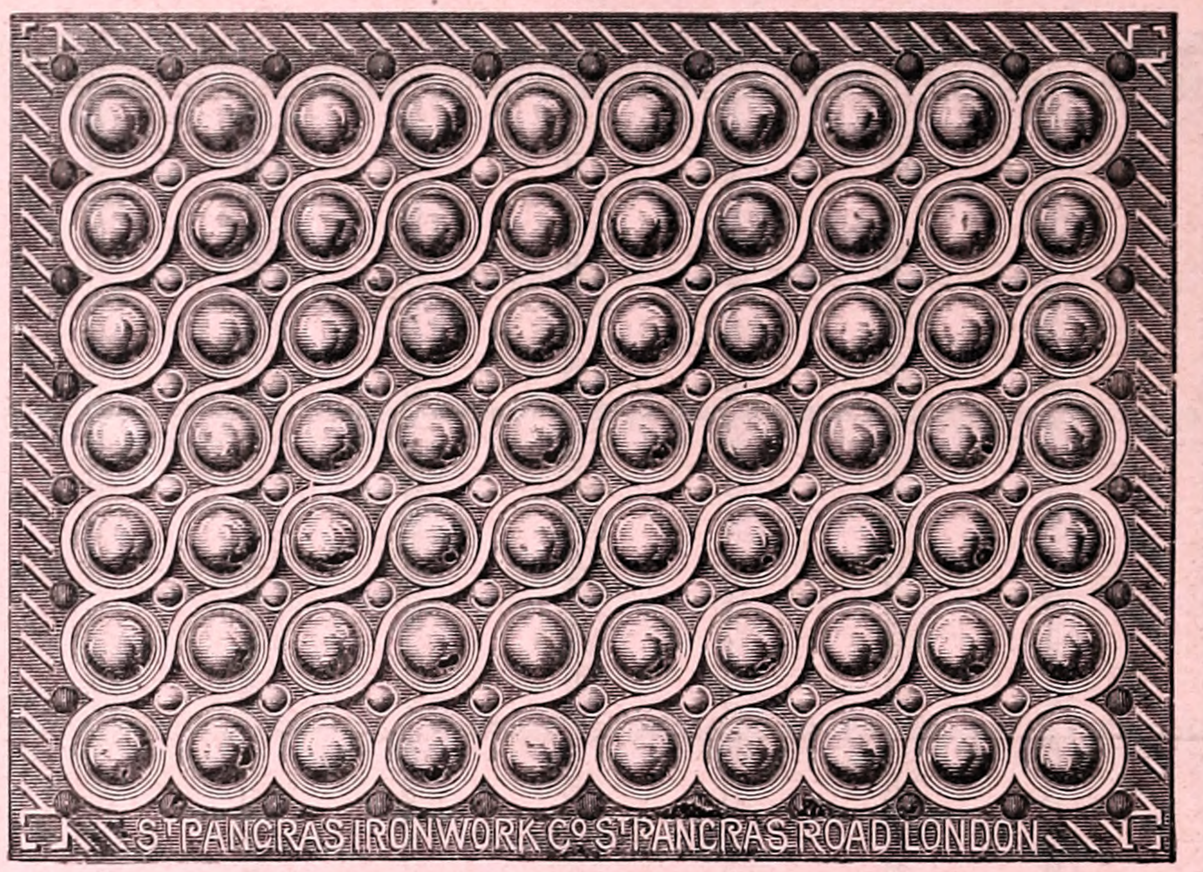
For Diffusing Light:

Chequered	0 6 6
Best Rough Plate	0 4 6
Extra for special sizes to order	0 1 0

SIZES OF FRAMES USUALLY IN STOCK. DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
4	1	2 4	1 4	3 2
,,	1½	,, ,,	1 10	4 4
,,	2	,, ,,	2 4	5 6
5	1	2 10	1 4	3 10
,,	1½	,, ,,	1 10	5 3
,,	2	,, ,,	2 4	6 8
,,	2½	,, ,,	2 10	8 1
6	1	3 4	1 4	4 6
,,	1½	,, ,,	1 10	6 2
,,	2	,, ,,	2 4	7 10
,,	2½	,, ,,	2 10	9 6
,,	3	,, ,,	3 4	11 2
7	1	3 10	1 4	5 2
,,	1½	,, ,,	1 10	7 1
,,	2	,, ,,	2 4	9 0
,,	2½	,, ,,	2 10	10 11
,,	3	,, ,,	3 4	12 10
8	1	4 4	1 4	5 10
,,	1½	,, ,,	1 10	8 0
,,	2	,, ,,	2 4	10 2
,,	2½	,, ,,	2 10	12 4
,,	3	,, ,,	3 4	14 6
,,	4	,, ,,	4 4	18 10
9	1	4 10	1 4	6 6
,,	1½	,, ,,	1 10	8 11
,,	2	,, ,,	2 4	11 4
,,	2½	,, ,,	2 10	13 9
,,	3	,, ,,	3 4	16 2
,,	4	,, ,,	4 4	21 0
10	1	5 4	1 4	7 2
,,	1½	,, ,,	1 10	9 10
,,	2	,, ,,	2 4	12 6
,,	2½	,, ,,	2 10	15 2
,,	3	,, ,,	3 4	17 10
,,	4	,, ,,	4 4	23 2
,,	5	,, ,,	5 4	28 6
11	1	5 10	1 4	7 10
,,	1½	,, ,,	1 10	10 9
,,	2	,, ,,	2 4	13 8
,,	2½	,, ,,	2 10	16 7
,,	3	,, ,,	3 4	19 6
,,	4	,, ,,	4 4	25 4
,,	5	,, ,,	5 4	31 2
12	1	6 4	1 4	8 6
,,	1½	,, ,,	1 10	11 8
,,	2	,, ,,	2 4	14 10
,,	2½	,, ,,	2 10	18 0
,,	3	,, ,,	3 4	21 2
,,	4	,, ,,	4 4	27 6
,,	5	,, ,,	5 4	33 10
13	1	6 10	1 4	9 2
,,	1½	,, ,,	1 10	12 7
,,	2	,, ,,	2 4	16 0
,,	2½	,, ,,	2 10	19 5
,,	3	,, ,,	3 4	22 10
,,	4	,, ,,	4 4	29 8
14	1	7 4	1 4	9 10
,,	1½	,, ,,	1 10	13 6
,,	2	,, ,,	2 4	17 10
,,	2½	,, ,,	2 10	20 10
,,	3	,, ,,	3 4	24 6
,,	4	,, ,,	4 4	31 10

No. 12 PATTERN ROADWAY LIGHT.



These are made of great strength, sufficient for the heaviest horse traffic, and give a good foothold, and are easily swept out and cleaned. They have been used on important works with great success, amongst others in the Prince of Wales's stable-yard at Sandringham, under the architect, Colonel Edis. A special feature is that they can be glazed with Semi-Prism Lenses, making them as useful for reflecting light horizontally as the ordinary Pavement Lights.

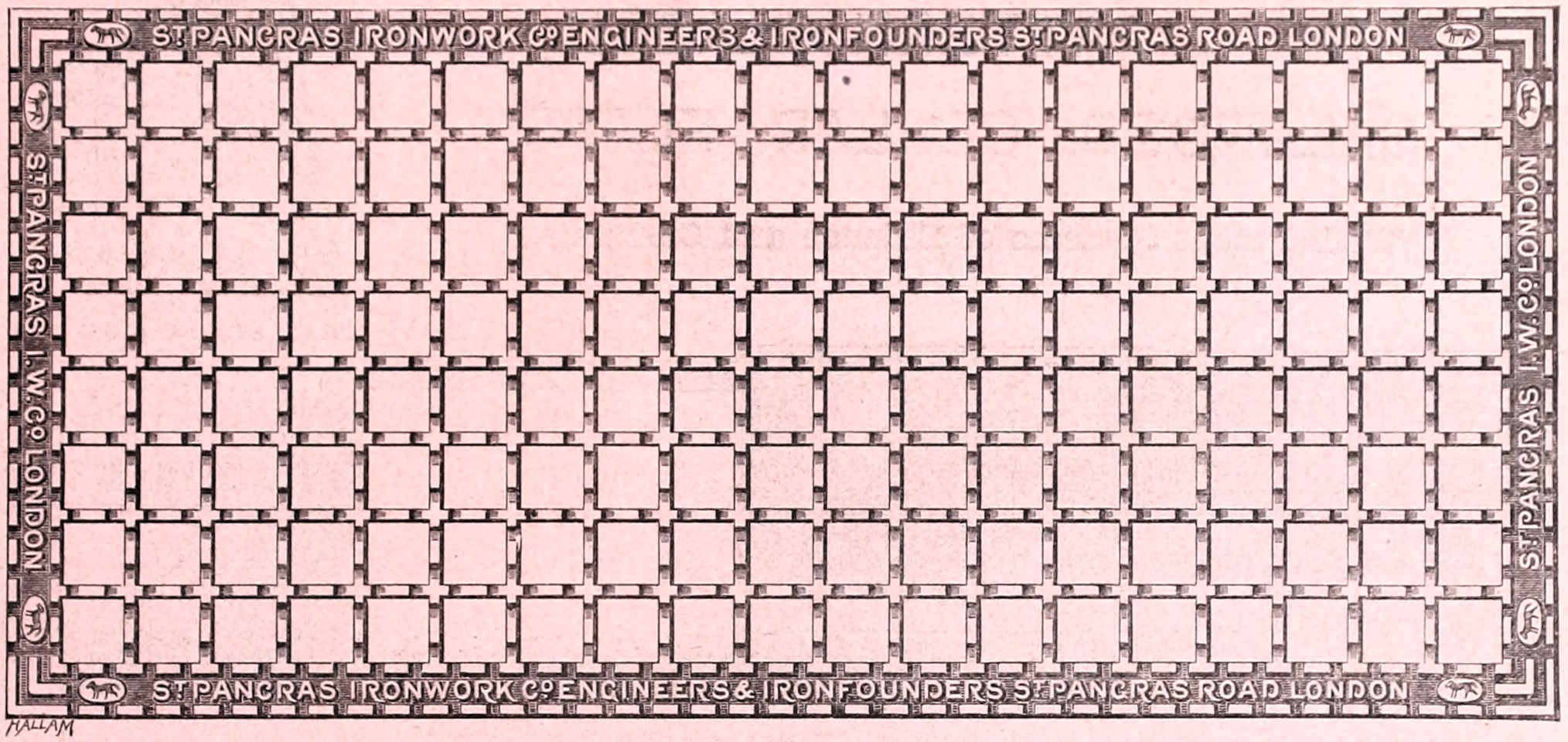
	Price per ft. super, Pattern sizes.
For Reflecting Light to any part of Basement:	
Semi-Prism Lenses in alternate rows with Convex Lenses	£0 15 0
For Diffusing Light:	
Convex Lenses	0 11 0
Extra for special sizes to order	0 2 0
Water Bar, per foot run	0 0 6

The following are the sizes in which this pattern can be made. As the lenses are circular, the frames may be placed either way, the length and depth being interchangeable, but instructions should be given indicating in which direction the light should be thrown if Semi-Prisms are used.

OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. Depth. Or the reverse. ft. in. ft. in.	Super. ft. in.
4 ×	4	1 7 × 1 7 =	2 7
,,	5	,, ,, 1 10¾ =	3 0
,,	6	,, ,, 2 2½ =	3 6
,,	7	,, ,, 2 6¼ =	4 0
,,	8	,, ,, 2 10 =	4 6
,,	9	,, ,, 3 1¾ =	5 0
,,	10	,, ,, 3 5½ =	5 6
,,	11	,, ,, 3 9¼ =	6 0
,,	12	,, ,, 4 1 =	6 6
,,	13	,, ,, 4 4¾ =	7 0
,,	14	,, ,, 4 8½ =	7 9
,,	15	,, ,, 5 0¼ =	8 0
5 ×	5	1 10¾ × 1 10¾ =	3 8
,,	6	,, ,, 2 2½ =	4 3
,,	7	,, ,, 2 6¼ =	4 10
,,	8	,, ,, 2 10 =	5 5
,,	9	,, ,, 3 1¾ =	6 0
,,	10	,, ,, 3 5½ =	6 7
,,	11	,, ,, 3 9¼ =	7 2
,,	12	,, ,, 4 1 =	7 9
,,	13	,, ,, 4 4¾ =	8 4
,,	14	,, ,, 4 8½ =	9 0
,,	15	,, ,, 5 0¼ =	9 7
6 ×	6	2 2½ × 2 2½ =	4 11
,,	7	,, ,, 2 6¼ =	5 7
,,	8	,, ,, 2 10 =	6 4
,,	9	,, ,, 3 1¾ =	7 0
,,	10	,, ,, 3 5½ =	7 8
,,	11	,, ,, 3 9¼ =	8 4
,,	12	,, ,, 4 1 =	9 1
,,	13	,, ,, 4 4¾ =	9 9
,,	14	,, ,, 4 8½ =	10 5
,,	15	,, ,, 5 0¼ =	11 1
7 ×	7	2 6¼ × 2 6¼ =	6 5
,,	8	,, ,, 2 10 =	7 2
,,	9	,, ,, 3 1¾ =	8 0
,,	10	,, ,, 3 5½ =	8 9
,,	11	,, ,, 3 9¼ =	9 6
,,	12	,, ,, 4 1 =	10 4
,,	13	,, ,, 4 4¾ =	11 1
,,	14	,, ,, 4 8½ =	11 11
,,	15	,, ,, 5 0¼ =	12 8
8 ×	8	2 10 × 2 10 =	8 1
,,	9	,, ,, 3 1¾ =	8 11
,,	10	,, ,, 3 5½ =	9 10
,,	11	,, ,, 3 9¼ =	10 9
,,	12	,, ,, 4 1 =	11 7
,,	13	,, ,, 4 4¾ =	12 6
,,	14	,, ,, 4 8½ =	13 5
,,	15	,, ,, 5 0¼ =	14 3
9 ×	9	3 1¾ × 3 1¾ =	9 11
,,	10	,, ,, 3 5½ =	10 11
,,	11	,, ,, 3 9¼ =	11 11
,,	12	,, ,, 4 1 =	12 11
,,	13	,, ,, 4 4¾ =	13 8
,,	14	,, ,, 4 8½ =	14 10
,,	15	,, ,, 5 0¼ =	15 10

No. 22 PATTERN ROADWAY LIGHT.



HALLAM

For Reflecting Light to any part of Basement:

	Price per ft. super, Pattern sizes.
Semi-Prism Lenses in alternate rows with Convex Lenses	£0 14 0

For Diffusing Light:

Convex Lenses	0 10 0
Extra for special sizes to order	0 2 0
Water-bar, per foot run	0 0 6

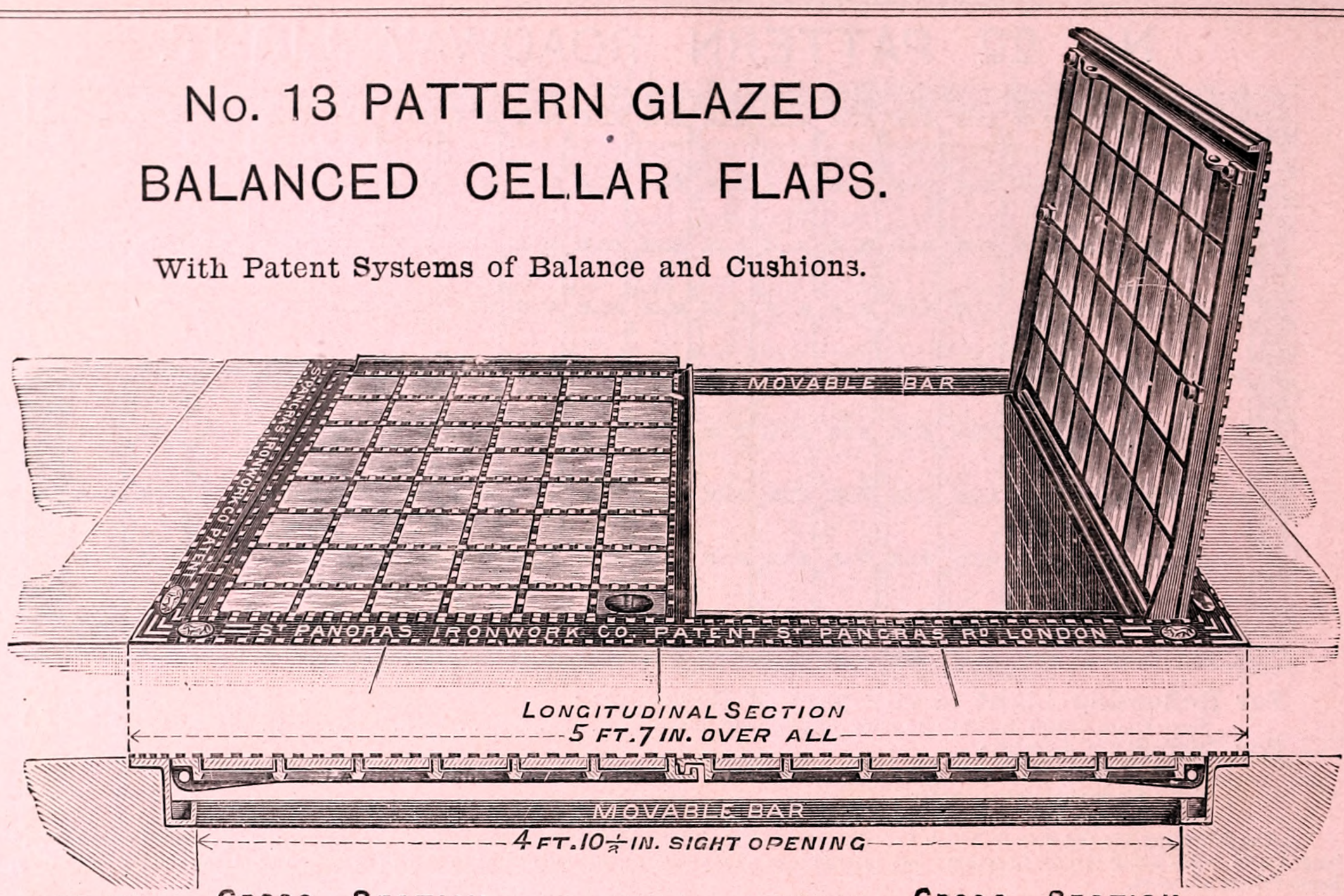
The following are the sizes in which this pattern can be made. As the lenses are square, the frames may be placed either way, the length and depth being interchangeable; but instructions should be given indicating in which direction the light should be thrown, if Semi-Prisms are used.

OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. Depth. Or the reverse. ft. in. ft. in.	Super. ft. in.
4 ×	4	1 7 × 1 7 =	2 7
,,	5	,, ,, 1 10¾ =	3 0
,,	6	,, ,, 2 2½ =	3 6
,,	7	,, ,, 2 6¼ =	4 0
,,	8	,, ,, 2 10 =	4 6
,,	9	,, ,, 3 1¾ =	5 0
,,	10	,, ,, 3 5½ =	5 6
,,	11	,, ,, 3 9¼ =	6 0
,,	12	,, ,, 4 1 =	6 6
,,	13	,, ,, 4 4¾ =	7 0
,,	14	,, ,, 4 8½ =	7 9
,,	15	,, ,, 5 0¼ =	8 0
,,	16	,, ,, 5 4 =	8 6
,,	17	,, ,, 5 7¾ =	9 0
,,	18	,, ,, 5 11½ =	9 6
5 ×	5	1 10¾ × 1 10¾ =	3 8
,,	6	,, ,, 2 2½ =	4 3
,,	7	,, ,, 2 6¼ =	4 10
,,	8	,, ,, 2 10 =	5 5
,,	9	,, ,, 3 1¾ =	6 0
,,	10	,, ,, 3 5½ =	6 7
,,	11	,, ,, 3 9¼ =	7 2
,,	12	,, ,, 4 1 =	7 9
,,	13	,, ,, 4 4¾ =	8 4
,,	14	,, ,, 4 8½ =	9 0
,,	15	,, ,, 5 0¼ =	9 7
,,	16	,, ,, 5 4 =	10 2
,,	17	,, ,, 5 7¾ =	10 9
,,	18	,, ,, 5 11½ =	11 4
6 ×	6	2 2½ × 2 2½ =	4 11
,,	7	,, ,, 2 6¼ =	5 7
,,	8	,, ,, 2 10 =	6 4
,,	9	,, ,, 3 1¾ =	7 0
6 ×	10	2 2½ × 3 5½ =	7 8
,,	11	,, ,, 3 9¼ =	8 4
,,	12	,, ,, 4 1 =	9 1
,,	13	,, ,, 4 4¾ =	9 9
,,	14	,, ,, 4 8½ =	10 5
,,	15	,, ,, 5 0¼ =	11 1
,,	16	,, ,, 5 4 =	11 10
,,	17	,, ,, 5 7¾ =	12 6
,,	18	,, ,, 5 11½ =	13 2
7 ×	7	2 6¼ × 2 6¼ =	6 5
,,	8	,, ,, 2 10 =	7 2
,,	9	,, ,, 3 1¾ =	8 0
,,	10	,, ,, 3 5½ =	8 9
,,	11	,, ,, 3 9¼ =	9 6
,,	12	,, ,, 4 1 =	10 4
,,	13	,, ,, 4 4¾ =	11 1
,,	14	,, ,, 4 8½ =	11 11
,,	15	,, ,, 5 0¼ =	12 8
,,	16	,, ,, 5 4 =	13 6
,,	17	,, ,, 5 7¾ =	14 4
,,	18	,, ,, 5 11½ =	15 0
8 ×	8	2 10 × 2 10 =	8 1
,,	9	,, ,, 3 1¾ =	8 11
,,	10	,, ,, 3 5½ =	9 10
,,	11	,, ,, 3 9¼ =	10 9
,,	12	,, ,, 4 1 =	11 7
,,	13	,, ,, 4 4¾ =	12 6
,,	14	,, ,, 4 8½ =	13 5
,,	15	,, ,, 5 0¼ =	20 6
,,	16	,, ,, 5 4 =	21 9
,,	17	,, ,, 5 7¾ =	23 1
,,	18	,, ,, 5 11½ =	24 4
9 ×	9	3 1¾ × 3 1¾ =	9 11
,,	10	,, ,, 3 5½ =	10 11
,,	11	,, ,, 3 9¼ =	11 11
,,	12	,, ,, 4 1 =	12 11
,,	13	,, ,, 4 4¾ =	13 8
,,	14	,, ,, 4 8½ =	14 10
,,	15	,, ,, 5 0¼ =	15 10
,,	16	,, ,, 5 4 =	16 10
,,	17	,, ,, 5 7¾ =	17 10
,,	18	,, ,, 5 11½ =	18 9
10 ×	10	3 5½ × 3 5½ =	12 0
,,	11	,, ,, 3 9¼ =	13 1
,,	12	,, ,, 4 1 =	14 2
,,	13	,, ,, 4 4¾ =	15 3
,,	14	,, ,, 4 8½ =	16 6
,,	15	,, ,, 5 0¼ =	17 4
,,	16	,, ,, 5 4 =	18 6
,,	17	,, ,, 5 7¾ =	19 7
,,	18	,, ,, 5 11½ =	20 8
11 ×	11	3 9¼ × 3 9¼ =	14 2
,,	12	,, ,, 4 1 =	15 5
,,	13	,, ,, 4 4¾ =	16 7
,,	14	,, ,, 4 8½ =	17 8
,,	15	,, ,, 5 0¼ =	19 2
,,	16	,, ,, 5 4 =	20 2
,,	17	,, ,, 5 7¾ =	21 3
,,	18	,, ,, 5 11½ =	22 6

No. 13 PATTERN GLAZED BALANCED CELLAR FLAPS.

With Patent Systems of Balance and Cushions.



WITH GUTTER FRAME ALL ROUND.

WITH GUTTER FRAME ON THREE SIDES.

These Flaps are counterbalanced without weights or levers, and require no special provision in fixing.

They are provided with a Guttered Curb-Frame on three sides, the back having a movable Bearing Bar, or the Gutter Frame may be carried round all four sides. Rain-water is carried off by the gutter to a pipe leading to the drain. In all Cellar Flaps it is necessary that this gutter be periodically cleared of the dirt that accumulates in it, and the hinges should then be oiled.

Price per ft. super., Stock sizes.

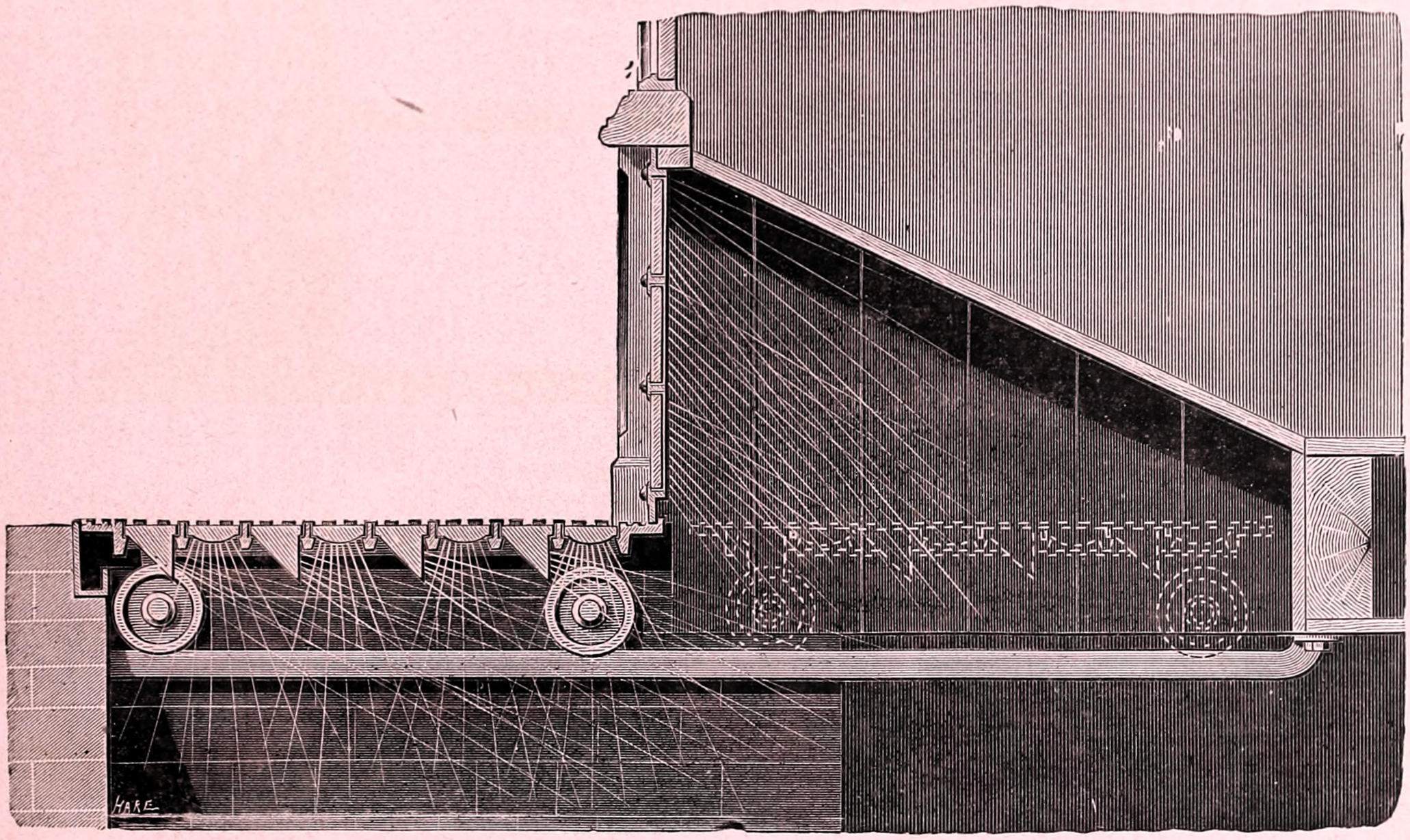
Glazed with either Convex or small Semi-Prism Lenses ...	£0	11	6	Glazed with rough plate	10s. 6d. per ft. super.
„ „ full-size Semi-Prism Lenses	0	13	6	Extra for special sizes to order ...	from 1s. to 3s. „

Fixed Ventilating Panels, in place of Lenses, supplied without extra charge.

STOCK SIZES OF CELLAR FLAPS IN PAIRS (PATENT BALANCED AND CUSHIONED). OVER-ALL DIMENSIONS, INCLUDING GUTTERED CURB-FRAME IN FRONT AND AT THE TWO SIDES.

No. of Lenses in length, *i.e.*, Pair of Flaps.	No. of Lenses in depth, *i.e.*, Front to Back.	Length. ft.	in.	Depth. ft.	in.	Super. ft.	in.
4 and 4	× 6	4	0½ × 2	1¼ =	8	6
„ „	7		„	2	4¾ =	9	8
„ „	8		„	2	8¼ =	10	10
„ „	9		„	2	11¾ =	12	0
„ „	10		„	3	3¼ =	13	2
„ „	11		„	3	6¾ =	14	4
„ „	12		„	3	10¼ =	15	6
4 and 5	× 6	4	5 × 2	1¼ =	9	4
„ „	7		„	2	4¾ =	10	7
„ „	8		„	2	8¼ =	11	11
„ „	9		„	2	11¾ =	13	2
„ „	10		„	3	3¼ =	14	6
„ „	11		„	3	6¾ =	15	9
„ „	12		„	3	10¼ =	17	1
5 and 5	× 6	4	9½ × 2	1¼ =	10	1
„ „	7		„	2	4¾ =	11	7
„ „	8		„	2	8¼ =	12	11
„ „	9		„	2	11¾ =	14	4
„ „	10		„	3	3¼ =	15	9
„ „	11		„	3	6¾ =	17	1
„ „	12		„	3	10¼ =	18	6
5 and 6	× 6	5	2¼ × 2	1¼ =	10	10
„ „	7		„	2	4¾ =	12	6
„ „	8		„	2	8¼ =	14	0
„ „	9		„	2	11¾ =	15	6
„ „	10		„	3	3¼ =	17	0
„ „	11		„	3	6¾ =	18	6
„ „	12		„	3	10¼ =	20	0
6 and 6	× 6	5	7 × 2	1¼ =	11	9
„ „	7		„	2	4¾ =	13	5
„ „	8		„	2	8¼ =	15	0
„ „	9		„	2	11¾ =	16	8
„ „	10		„	3	3¼ =	18	3
„ „	11		„	3	6¾ =	19	11
„ „	12		„	3	10¼ =	21	6

ROLLING BASEMENT LIGHTS.



These Rolling Lights serve the same purpose as Cellar Flaps, but instead of being hinged in the ordinary way, they run on wheels on rails of L or T iron; and for premises where the level of the ground floor allows of their use, they are to be preferred, as they leave a wider space clear for passing goods in and out, and are easily and safely worked, without risk of breaking the Lenses; for the latter reason they may be safely glazed with Semi-Prism Lenses. It is possible to use them also in cases where the ground floor is higher or lower, by fitting, lifting or lowering screws to them.

The illustration shows a Rolling Light made with a No. 1 pattern Frame, and glazed with 4 in. by 3 in. Semi-Prism Lenses, but most of our other patterns of Frames or Lenses may be substituted.

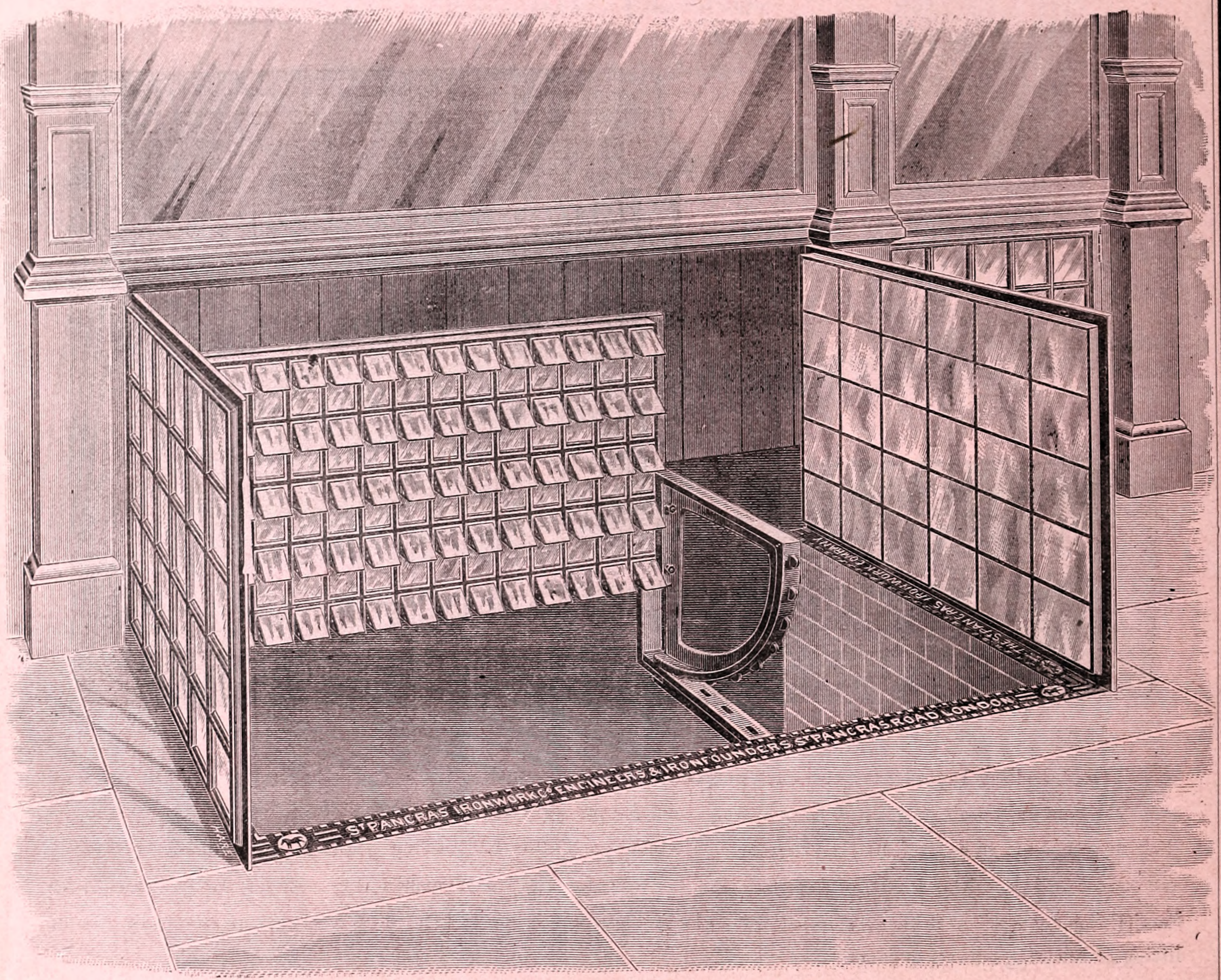
They are all supplied with a Guttered Curb Frame on three sides, the back being left clear. Any rain finding its way by the joints is carried by this gutter to a pipe leading to the drain. The basement opening requires suitable Guard Rails when the Light is rolled away. The fixing is simple.

Prices, according to size, from 6s. to 10s. per foot super over Fixed Pavement Lights.

On receipt of particulars, sketches and estimates will be furnished.

EQUILIBRIUM BASEMENT LIGHTS.

(HAMILTON'S PATENT.)

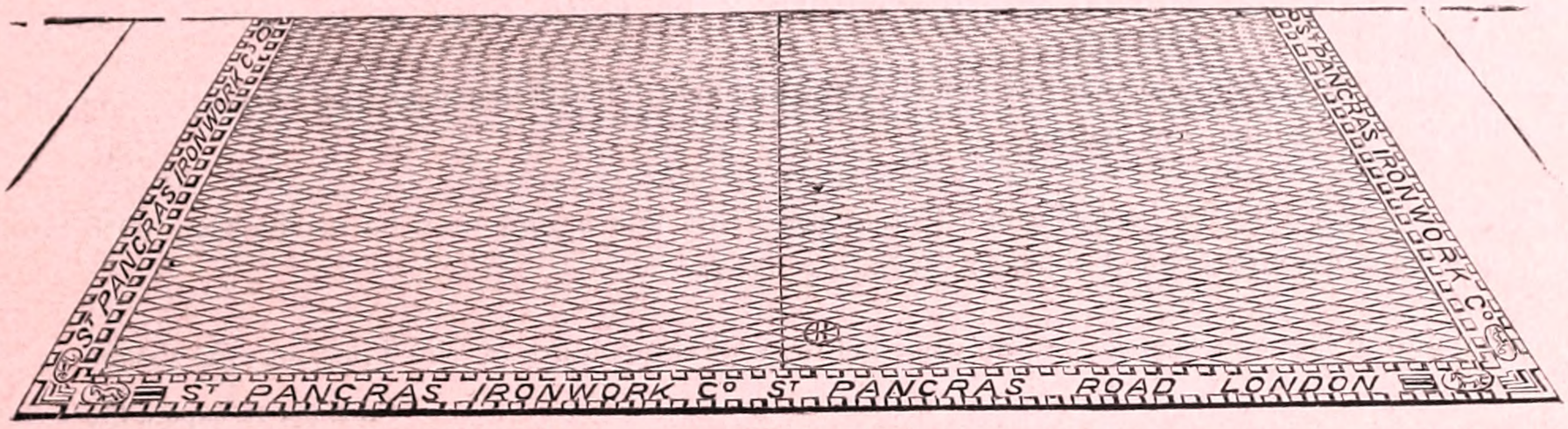


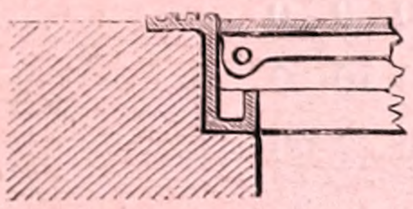
This is another plan for cellar openings, somewhat similar to that shown on the preceding page, but it reduces the obstruction to the opening for goods to a minimum, and is especially useful when large and heavy Lights are required to be opened. Being self-balanced, they are readily opened and closed with little exertion, and may be glazed with full-size Semi-Prism Lenses without fear of adding too much to the weight, or of breakage from rough or careless use.

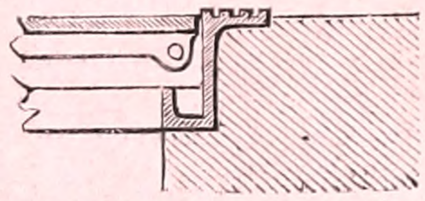
They are supplied with a Guttered Curb Frame on the three sides, from which any rain getting in may be carried off by a pipe. The basement opening requires suitable Guard Rails when the Light is rolled back. When possible it is a good plan to have the Stall Board Lights open out at right angles, as shown in the illustration, so as to form a guard to the sides of the opening.

WROUGHT-IRON CELLAR FLAPS,

With Chequered Surface.







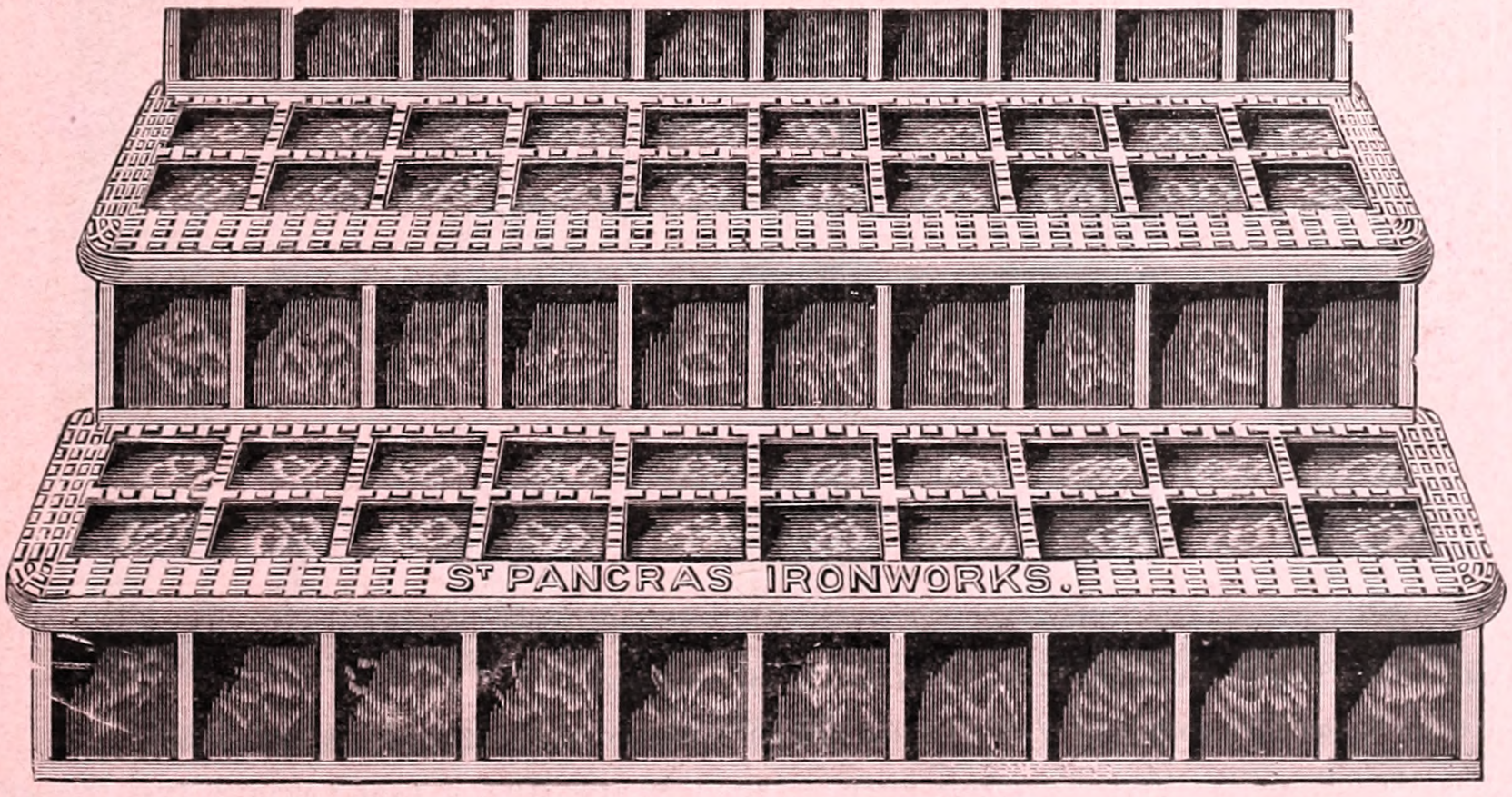
Prices for Stock sizes (see table on page 20), 8s. 6d. per foot super.

These Cellar Flaps are solid, and transmit no light like the Glazed Flaps. They are strongly made, and provided with a Guttered Curb-Frame on three sides, the back having a movable wrought-iron Bearing-bar. Rain-water is carried off by the gutter to a pipe leading to the drain.

Similar Flaps are also made in cast-iron.

For large sizes these solid Flaps may be fitted in the patent balanced manner shown and described on page 20, at a small additional cost.

ILLUMINATED STEPS AND RISERS.



In many cases light may be advantageously obtained as shown in the illustration, and for this purpose Flint Glass Lenses, shown on pages 6 and 7, or Rough Plate, may be used. Estimates will be given on receipt of particulars.

TILED PAVEMENT LIGHTS.

Nos. 25, 29, 62, and 61 patterns with 3 in. Octagonal or Square Lenses.

These Tiled Lights have a smooth but not slippery surface. The Tiles used are specially selected for hardness and durability and excellence of colour.

The Lenses are made of the best English Colourless Flint Glass, and may be used either with Semi-Prisms for reflecting, or with convex or beaded sides for diffusing light.

They are made in the Stock sizes enumerated below, and the colours of the Tiles may be varied as required.

	Price per ft. super., Stock sizes. £ s. d.
Convex or Beaded Lenses	0 9 0
Semi-Prism Lenses	0 10 6
Extra for special sizes to order	0 2 0

Ventilating Panels, in place of Glass, supplied without extra charge.

USUAL SIZES OF FRAMES. OVER-ALL DIMENSIONS, INCLUDING 3 IN. FLANGED BORDER ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
9	4	3 5	1 9	6 0
,,	5	,, ,,	2 1	7 2
,,	6	,, ,,	2 5	8 3
,,	7	,, ,,	2 9	9 5
,,	8	,, ,,	3 1	10 7
,,	9	,, ,,	3 5	11 8
10	4	3 9	1 9	6 7
,,	5	,, ,,	2 1	7 0
,,	6	,, ,,	2 5	9 1
,,	7	,, ,,	2 9	10 4
,,	8	,, ,,	3 1	11 7
,,	9	,, ,,	3 5	12 10
11	4	4 1	1 9	7 2
,,	5	,, ,,	2 1	8 6
,,	6	,, ,,	2 5	9 11
,,	7	,, ,,	2 9	11 3
,,	8	,, ,,	3 1	12 7
,,	9	,, ,,	3 5	14 0
12	4	4 5	1 9	7 9
,,	5	,, ,,	2 1	9 3
,,	6	,, ,,	2 5	10 8
,,	7	,, ,,	2 9	12 2
,,	8	,, ,,	3 1	13 8
,,	9	,, ,,	3 5	15 1
13	4	4 9	1 9	8 4
,,	5	,, ,,	2 1	9 11
,,	6	,, ,,	2 5	11 6
,,	7	,, ,,	2 9	13 1
,,	8	,, ,,	3 1	14 8
,,	9	,, ,,	3 5	16 3
14	4	5 1	1 9	8 11
,,	5	,, ,,	2 1	10 7
,,	6	,, ,,	2 5	12 4
,,	7	,, ,,	2 9	14 0
,,	8	,, ,,	3 1	15 8
,,	9	,, ,,	3 5	17 5
15	4	5 5	1 9	9 6
,,	5	,, ,,	2 1	11 4
,,	6	,, ,,	2 5	13 1
,,	7	,, ,,	2 9	14 11
,,	8	,, ,,	3 1	16 9
,,	9	,, ,,	3 5	18 6
16	4	5 9	1 9	10 1
,,	5	,, ,,	2 1	12 0
,,	6	,, ,,	2 5	13 1
,,	7	,, ,,	2 9	15 10
,,	8	,, ,,	3 1	17 9
,,	9	,, ,,	3 5	19 8
17	4	6 1	1 9	10 8
,,	5	,, ,,	2 1	12 8
,,	6	,, ,,	2 5	14 9
,,	7	,, ,,	2 9	16 9
,,	8	,, ,,	3 1	18 9
,,	9	,, ,,	3 5	20 10
18	4	6 5	1 9	11 3
,,	5	,, ,,	2 1	13 5
,,	6	,, ,,	2 5	15 6
,,	7	,, ,,	2 9	17 8
,,	8	,, ,,	3 1	19 10
,,	9	,, ,,	3 5	21 11

NOTE.—In this table "length" denotes the dimension parallel with the building; "depth" that from back to front.

The colours of the Tiles shown in the illustrations may be interchanged.

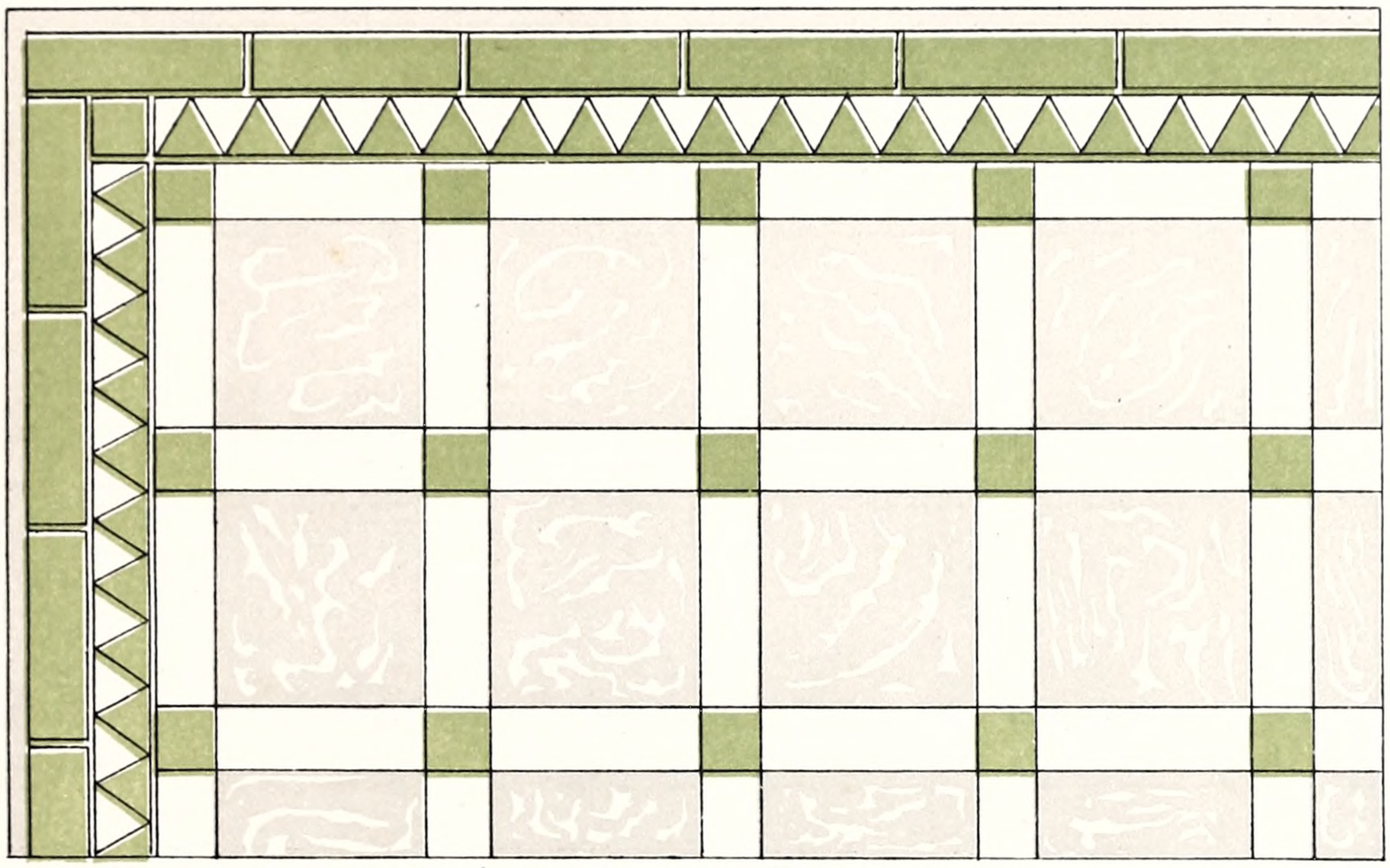
Other sizes can be made to order, and if of irregular shape it is best to send template or figured sketch.

In ordering, the following particulars should be given:—Pattern number, Kind of Lens, Colour of Tiles, Over-all Size.

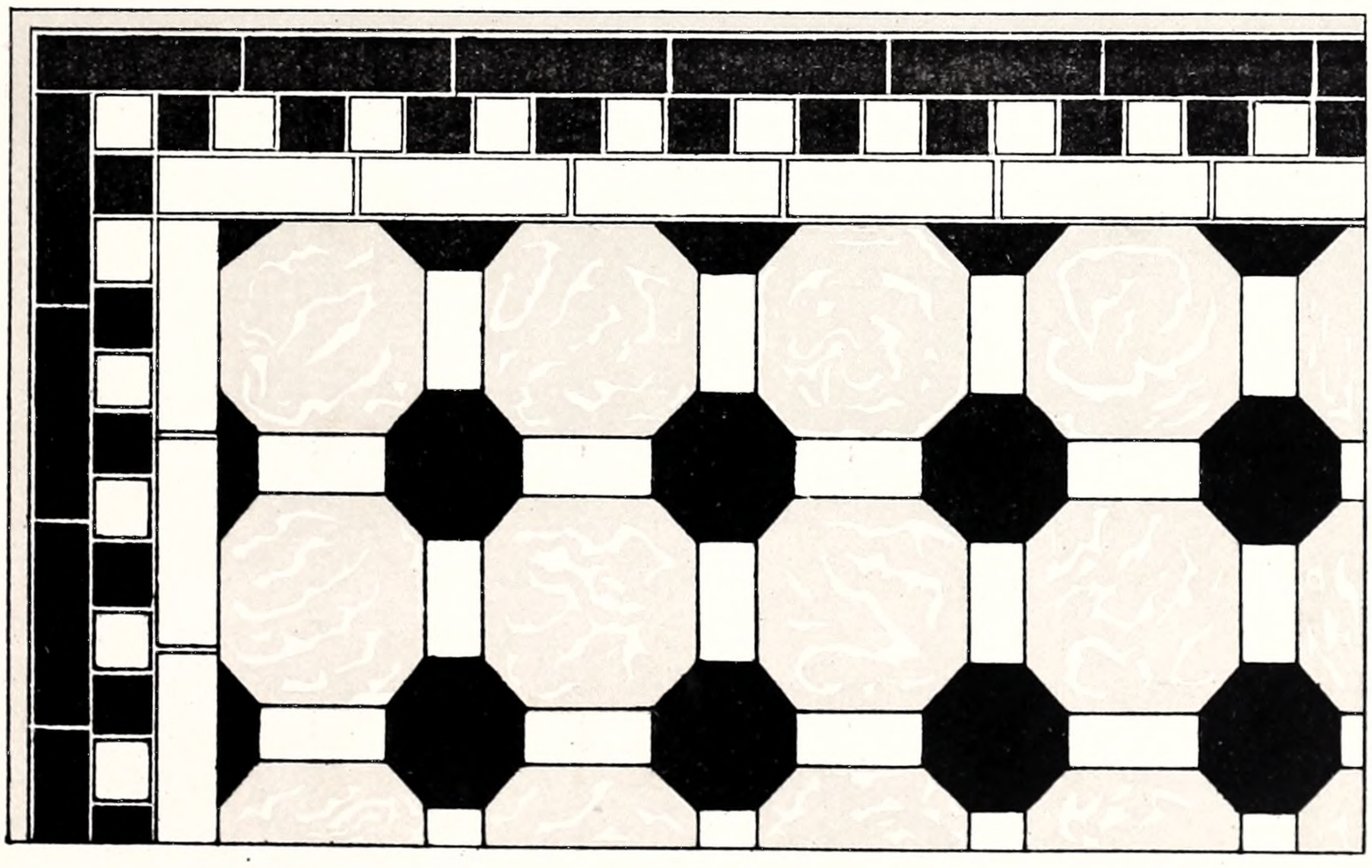
Number and position of Ventilating Panels, if required.

Information, Advice, and Estimates will be gladly given when desired.

ST. PANCRAS TILED PAVEMENT LIGHTS.



No. 25.

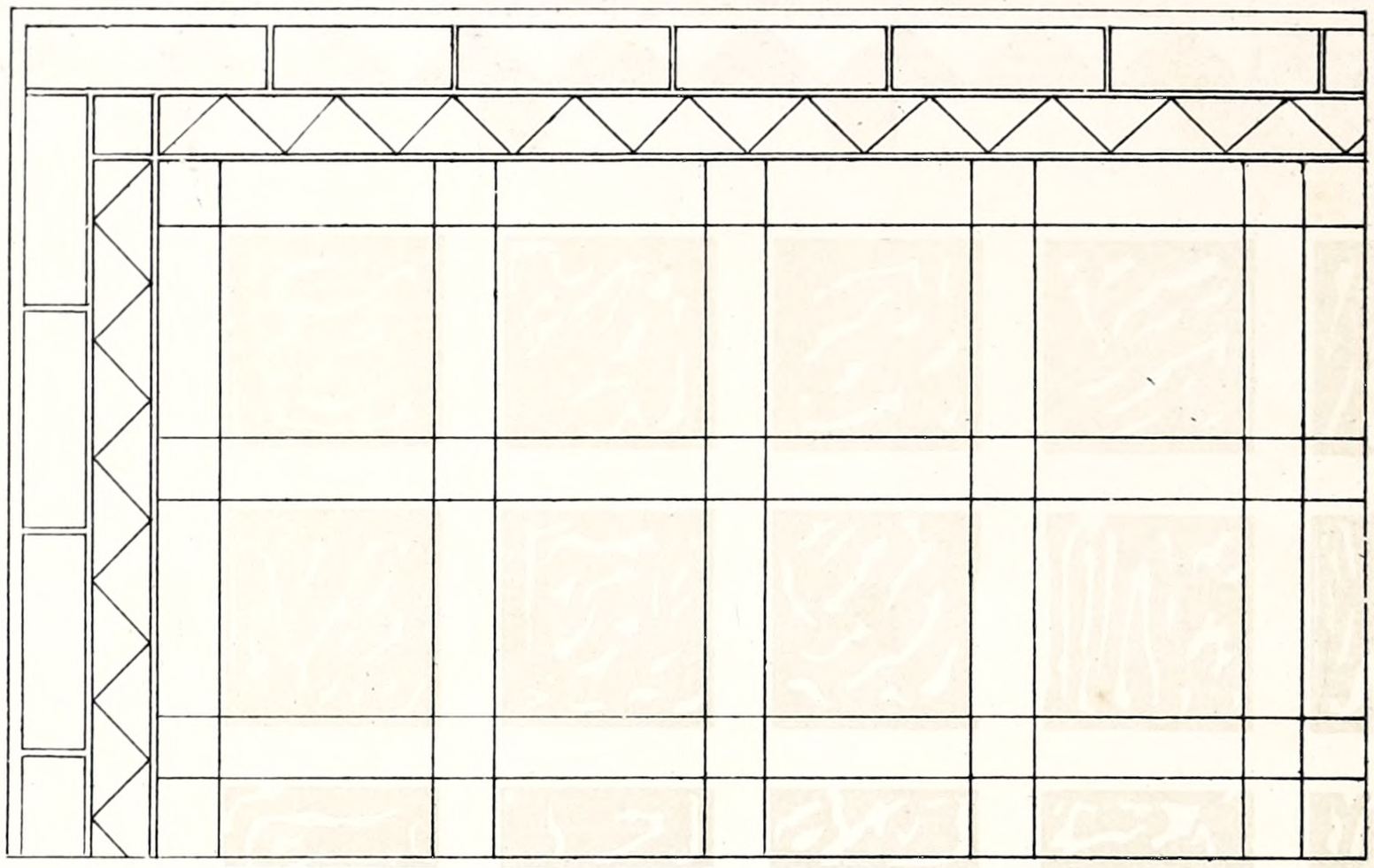


No. 61.

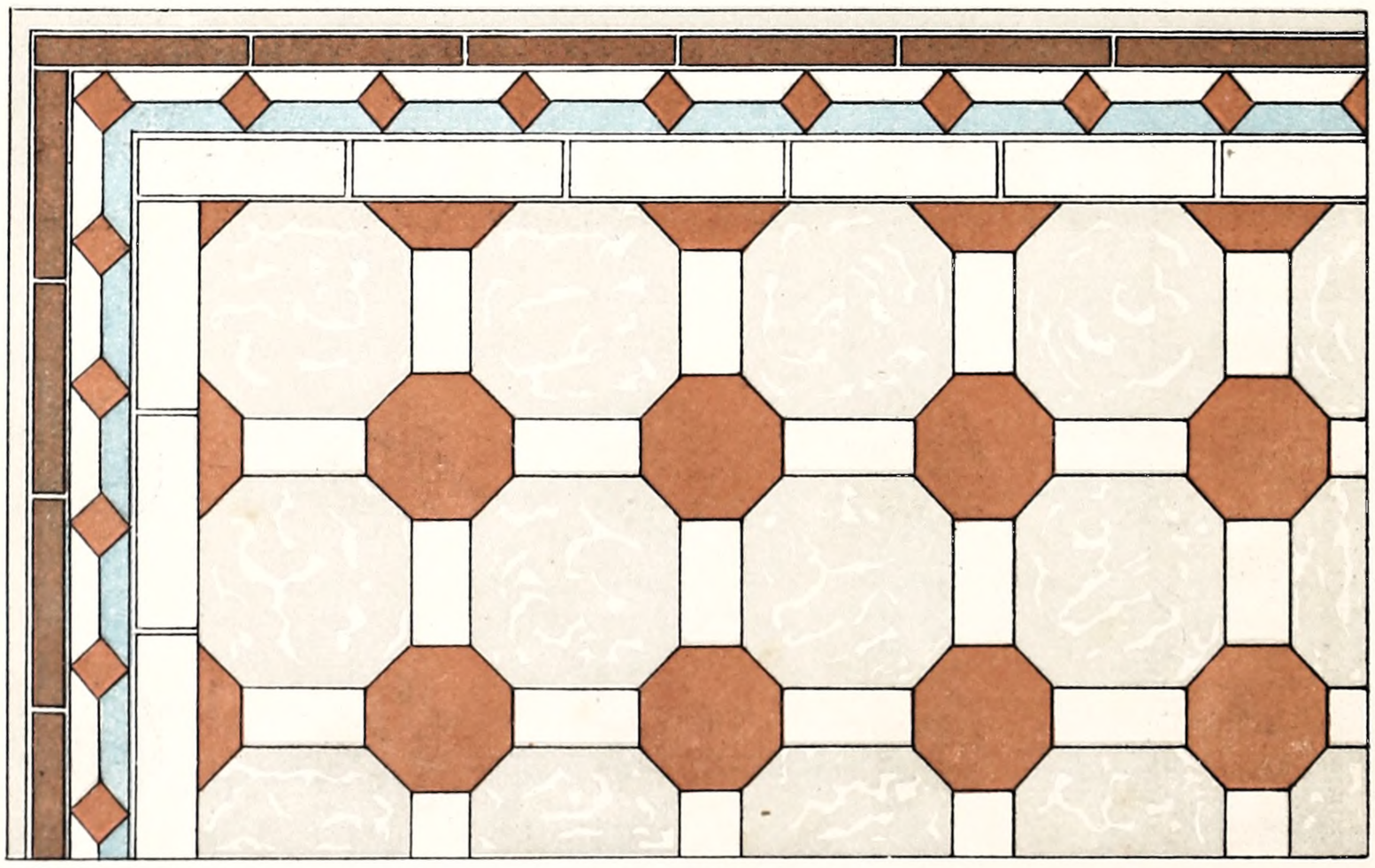
ANY OF THE FOLLOWING COLOURS CAN BE USED—

RED, WHITE, BLUE, YELLOW, GREEN, CHOCOLATE, BLACK.

ST. PANCRAS TILED PAVEMENT LIGHTS.



No. 29.

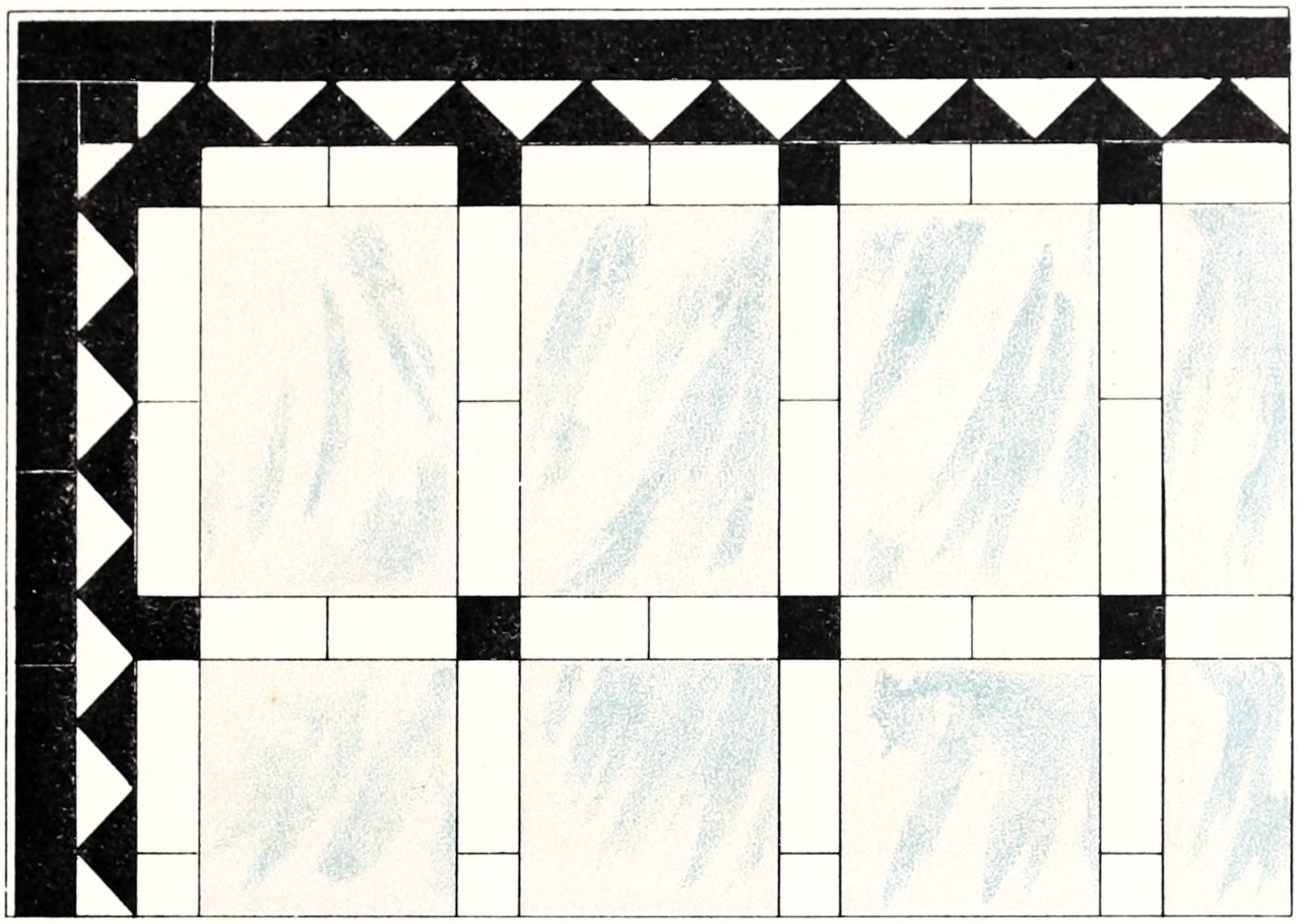


No. 62.

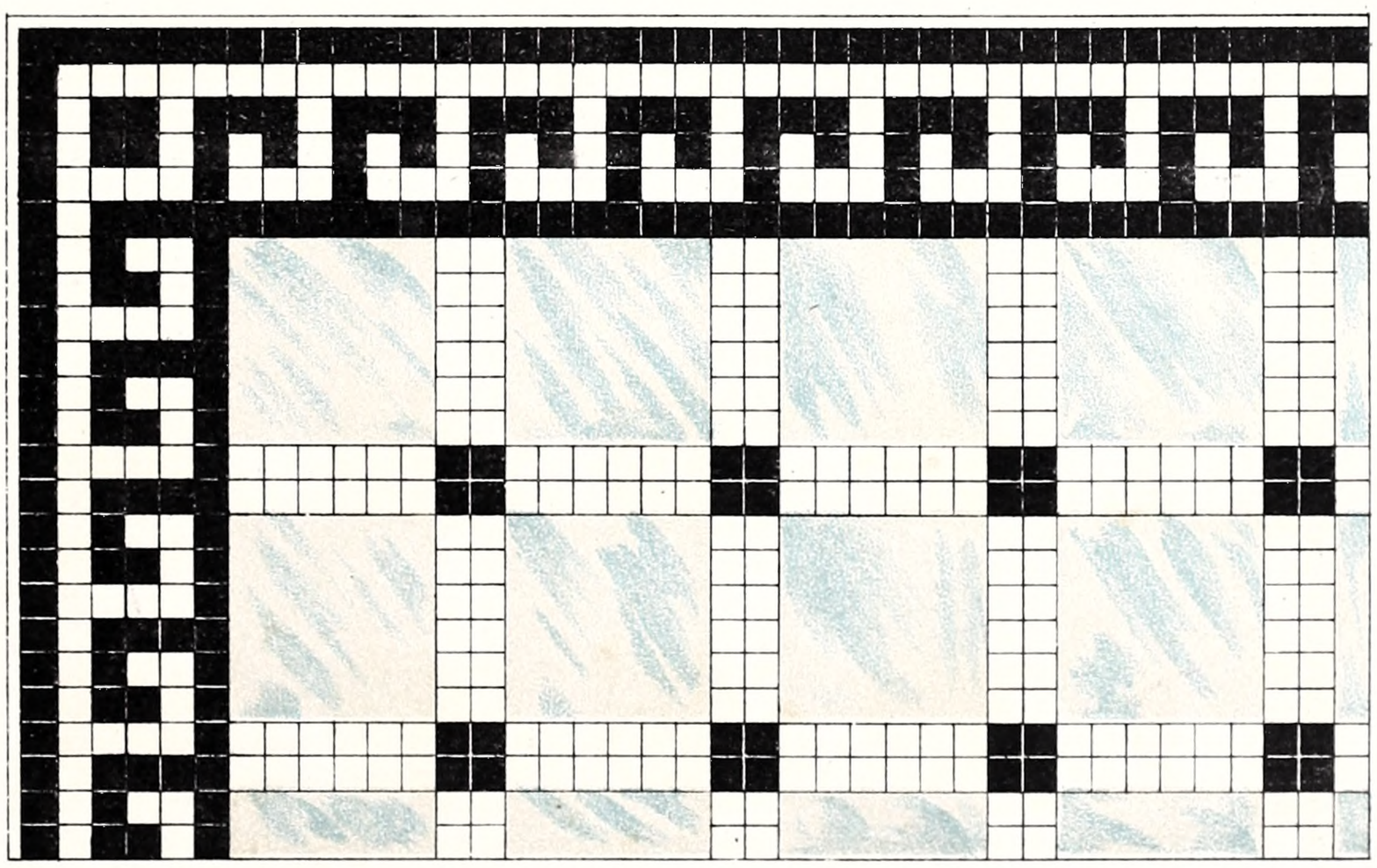
ANY OF THE FOLLOWING COLOURS CAN BE USED—

RED, WHITE, BLUE, YELLOW, GREEN, CHOCOLATE, BLACK.

ST. PANCRAS TILED PAVEMENT LIGHTS.



No. 26.

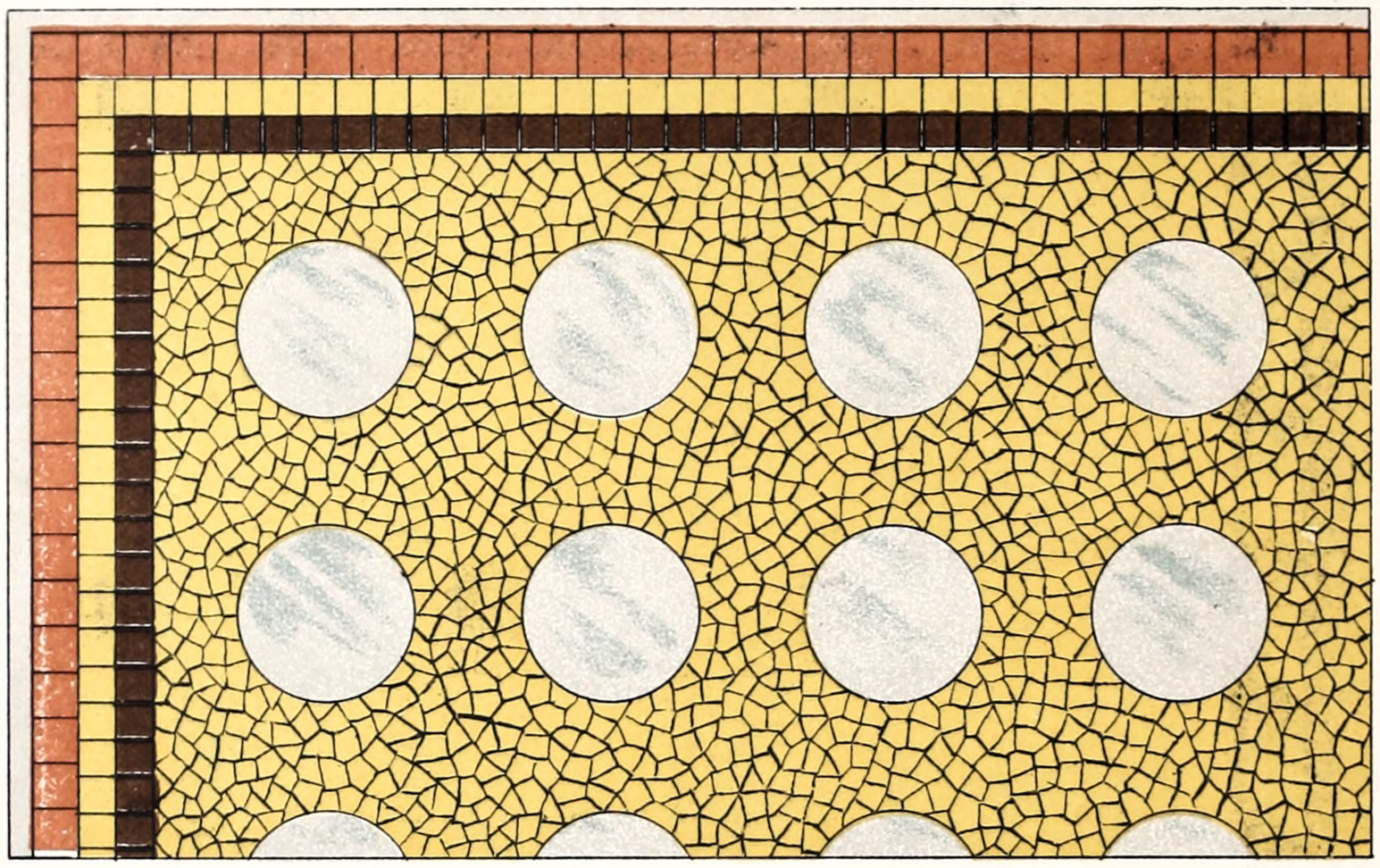


No. 30.

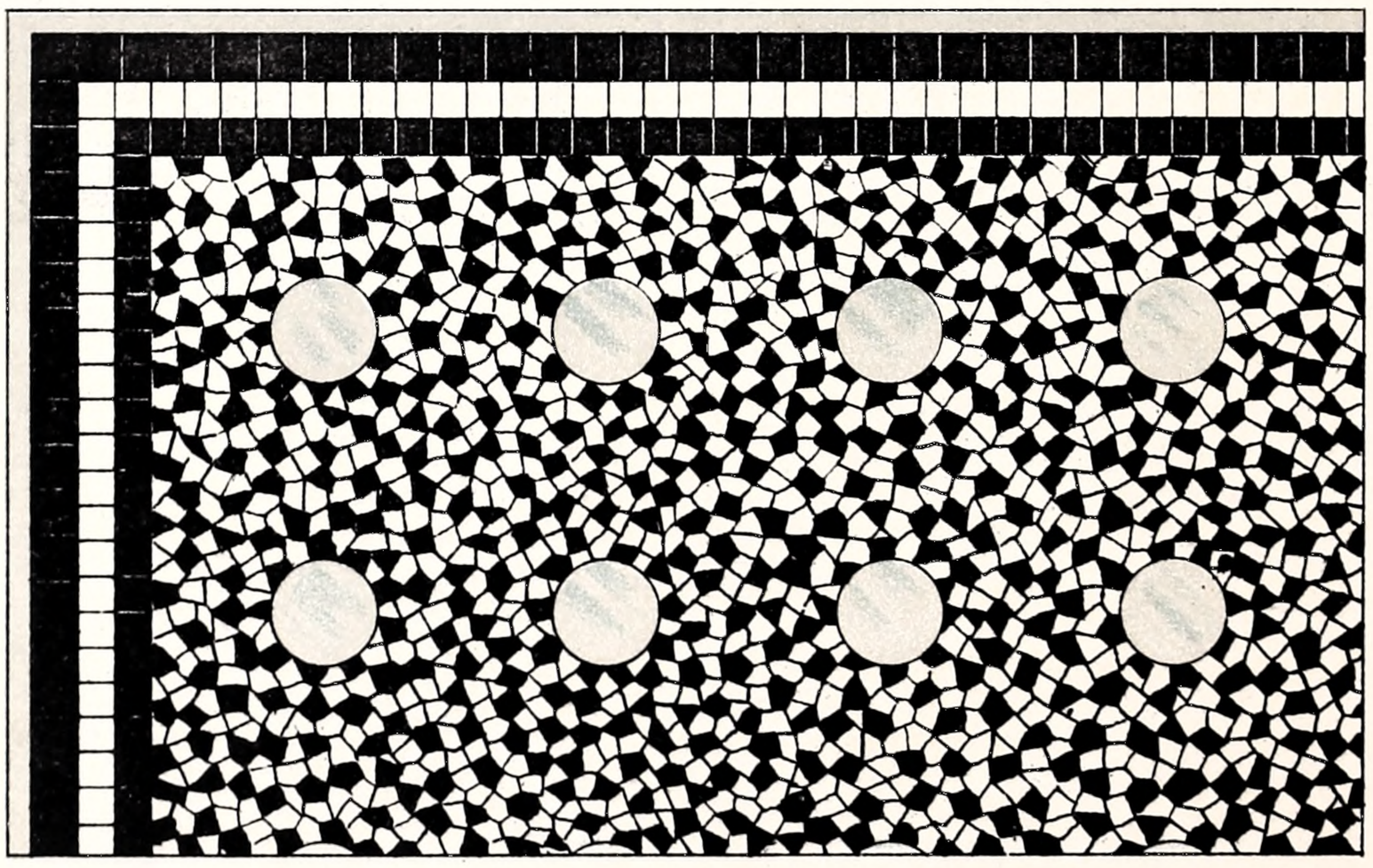
ANY OF THE FOLLOWING COLOURS CAN BE USED—

RED, WHITE, BLUE, YELLOW, GREEN, CHOCOLATE, BLACK.

ST. PANCRAS TILED PAVEMENT LIGHTS.



No. 50.



No. 51.

ANY OF THE FOLLOWING COLOURS CAN BE USED—

RED, WHITE, BLUE, YELLOW, GREEN, CHOCOLATE, BLACK.

TILED PAVEMENT LIGHTS.

No. 26 pattern with 4 in. by 6 in. Lenses.

This pattern is similar to those shown on pages 25 and 26, except that the Lenses are larger.

	Price per ft. super, Stock sizes. s.	d.
Convex Lenses	10	6
Semi-Prism Lenses...	14	0
Extra for special sizes to order	2	0

Ventilating Panels, in place of Glass, supplied without extra charge.

The size of this pattern is 6 ft. 3 in. by 6 ft. 3 in., including a 3 in. flanged border all round, and any smaller sizes may be had.

MOSAIC TILED PAVEMENT LIGHTS.

No. 30 design on page 27 shows how Tesseræ may be used instead of the larger tiles. These are kept in stock in red, black, and white colours, and may be arranged in any patterns on the same scale as illustrated.

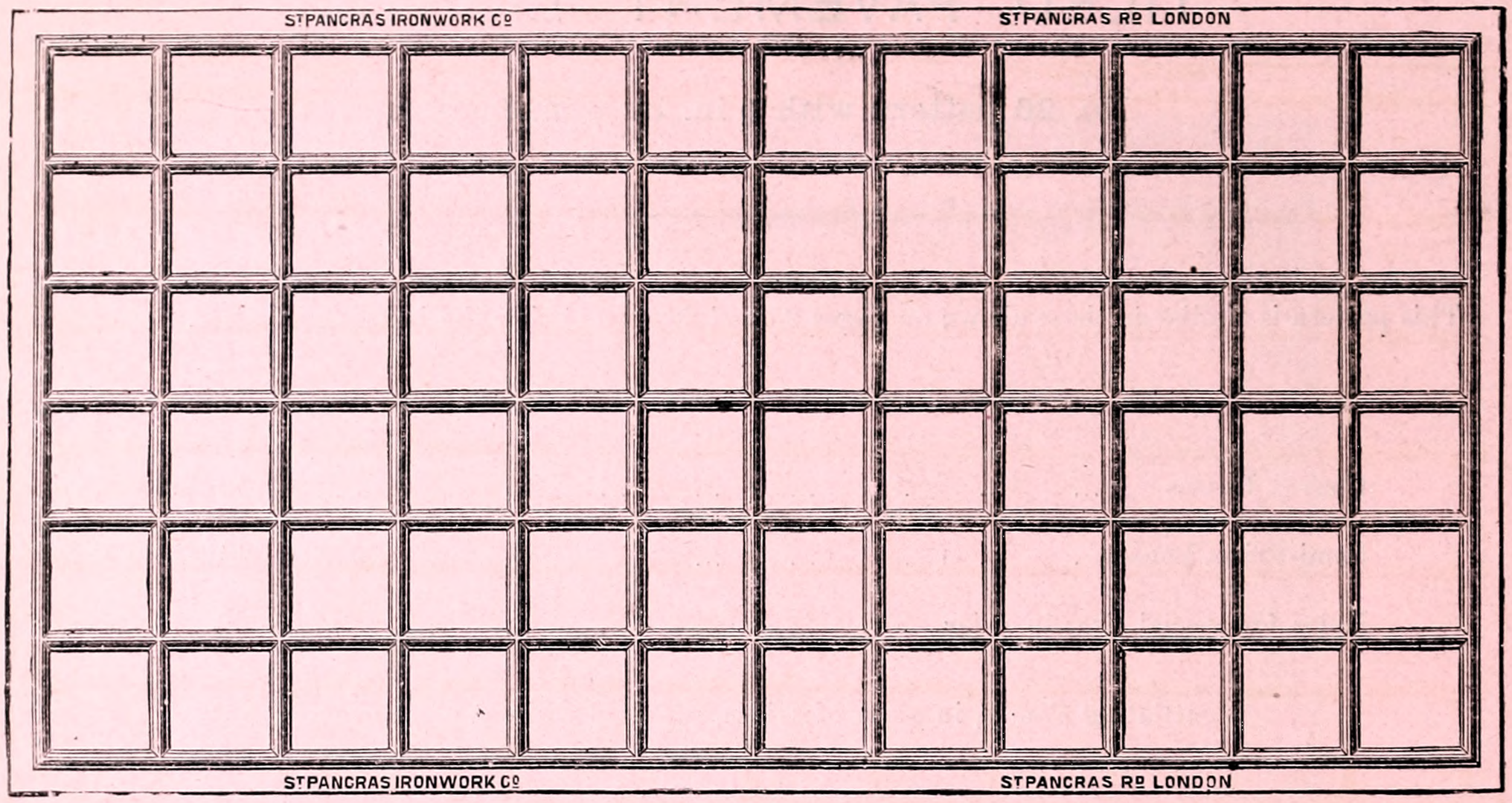
On page 28 are shown some registered designs of Venetian Mosaic, which requires a larger space than can be got between the Glass Lenses in the preceding illustrations; the light required is obtained by means of Circular Lenses of different sizes and number, and either Plain or Prismatic. While giving the appearance of a Mosaic Floor, these designs admit an astonishing amount of light.

Almost any colours, whole or mixed, may be had, and adjoining Mosaic Floors may be worked to in border and body.

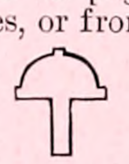
Estimates given on receipt of particulars.

No. 15 PATTERN STALL-BOARD LIGHT.

5½ in. by 5½ in. Lenses.



This Pattern is made in the Stock sizes enumerated below, and may be glazed with any of the following kinds of Lenses, which are shown in detail on pages 4 and 5. They may also be made to hang by hinges, to open inwards or outwards, as shown on page 22, or hung on centres, or from top or bottom, or Hopper Ventilators shown on page 35 may be used.

Section of bar— 

		Price per ft. super, Stock sizes. £	s.	d.
Prismatic	Reflecting Lenses, small Prisms	0	7	6
,, ,, ,,	Lighthouse pattern, Registered	0	6	6
Beaded Lenses, 25-Button Lenses, or Chequered Lenses		0	6	6
Oxford pattern Lenses		0	6	0
Best Rough Plate...		0	4	6
Extra for special sizes made to order		0	1	0
,,	Movable Hopper Ventilators (see page 35) ... ... each	0	15	0

Fixed Ventilating Panels, in place of Lenses, supplied without extra charge; Hit and Miss ditto, 1s. 6d. each.

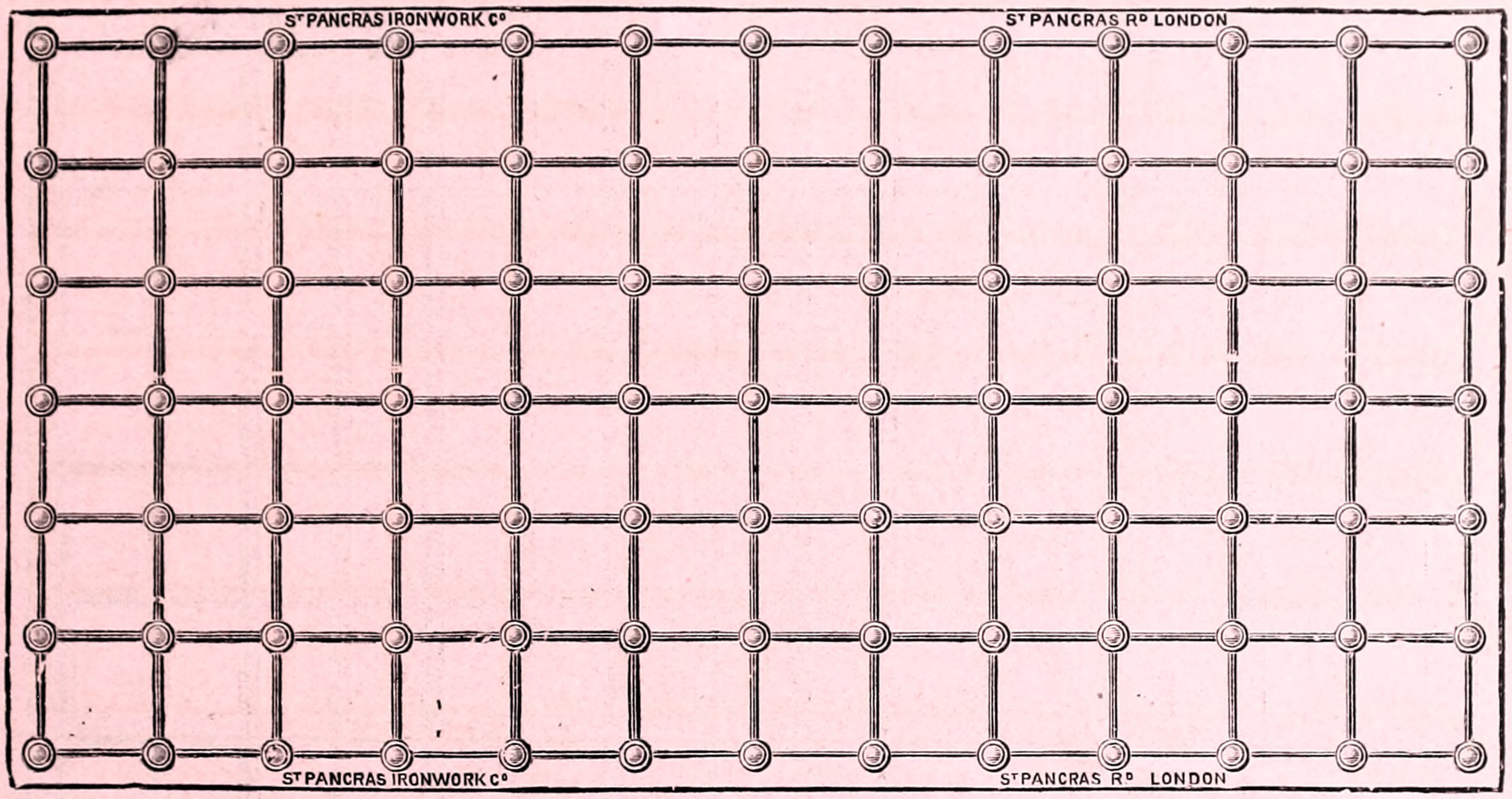
SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 1⅜ IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Height.	Length. ft.	in.	Height. ft.	in.	Super. ft.	in.
4	1	2	3	0	9	1	9
,,	2	,,	,,	1	3	2	10
,,	3	,,	,,	1	9	4	0
,,	4	,,	,,	2	3	5	1
,,	5	,,	,,	2	9	6	3
,,	6	,,	,,	3	3	7	4
5	1	2	9	0	9	2	1
,,	2	,,	,,	1	3	3	6
,,	3	,,	,,	1	9	4	10
,,	4	,,	,,	2	3	6	3
,,	5	,,	,,	2	9	7	7
,,	6	,,	,,	3	3	9	0
6	1	3	3	0	9	2	6
,,	2	,,	,,	1	3	4	1
,,	3	,,	,,	1	9	5	9
,,	4	,,	,,	2	3	7	4
,,	5	,,	,,	2	9	9	0
,,	6	,,	,,	3	3	10	7
7	1	3	9	0	9	2	10
,,	2	,,	,,	1	3	4	9
,,	3	,,	,,	1	9	6	7
,,	4	,,	,,	2	3	8	6
,,	5	,,	,,	2	9	10	4
,,	6	,,	,,	3	3	12	3
8	1	4	3	0	9	3	3
,,	2	,,	,,	1	3	5	4
,,	3	,,	,,	1	9	7	6
,,	4	,,	,,	2	3	9	7
,,	5	,,	,,	2	9	11	9
,,	6	,,	,,	3	3	13	10
9	1	4	9	0	9	3	7
,,	2	,,	,,	1	3	6	0
,,	3	,,	,,	1	9	8	4
,,	4	,,	,,	2	3	10	9
,,	5	,,	,,	2	9	13	1
,,	6	,,	,,	3	3	15	6
10	1	5	3	0	9	4	0
,,	2	,,	,,	1	3	6	7
,,	3	,,	,,	1	9	9	3
,,	4	,,	,,	2	3	11	10
,,	5	,,	,,	2	9	14	6
,,	6	,,	,,	3	3	17	1
11	1	5	9	0	9	4	4
,,	2	,,	,,	1	3	7	3
,,	3	,,	,,	1	9	10	1
,,	4	,,	,,	2	3	13	0
,,	5	,,	,,	2	9	15	10
,,	6	,,	,,	3	3	18	9
12	1	6	3	0	9	4	9
,,	2	,,	,,	1	3	7	10
,,	3	,,	,,	1	9	11	0
,,	4	,,	,,	2	3	14	1
,,	5	,,	,,	2	9	17	3
,,	6	,,	,,	3	3	20	4

In ordering, the following particulars should be given: Pattern number, Kind of Lens, Over-all size, number and position of Ventilating Panels, if required; whether with Movable Hopper Ventilator; if the Light is to be hung, give particulars.

No. 16 PATTERN STALL-BOARD LIGHT.

5½ in. by 5½ in. Lenses.



This pattern is made in the Stock sizes enumerated below, and may be glazed with any of the following kinds of Lenses which are shown in detail on pages 6 and 7. With the exception of the Rough Plate, all are made of the best English Colourless Flint Glass. They may also be made to hang by hinges, to open inwards or outwards, as shown on page 22. For purposes of ventilat on they may be also hung on centres, or from top or bottom, or movable hopper ventilator shown on page 35 may be used.

	Price per ft. super, Stock sizes.
Prismatic Reflecting Lenses, small Prisms	£0 7 6
„ „ Lighthouse pattern, Registered	0 6 6
Beaded Lenses, 25 Button Lenses, or Chequered Lenses	0 6 6
Oxford pattern Lenses	0 6 0
Best Rough Plate	0 4 6
Extra for special sizes to order	0 1 0
„ Movable Hopper Ventilators, each, see page 35	0 15 0

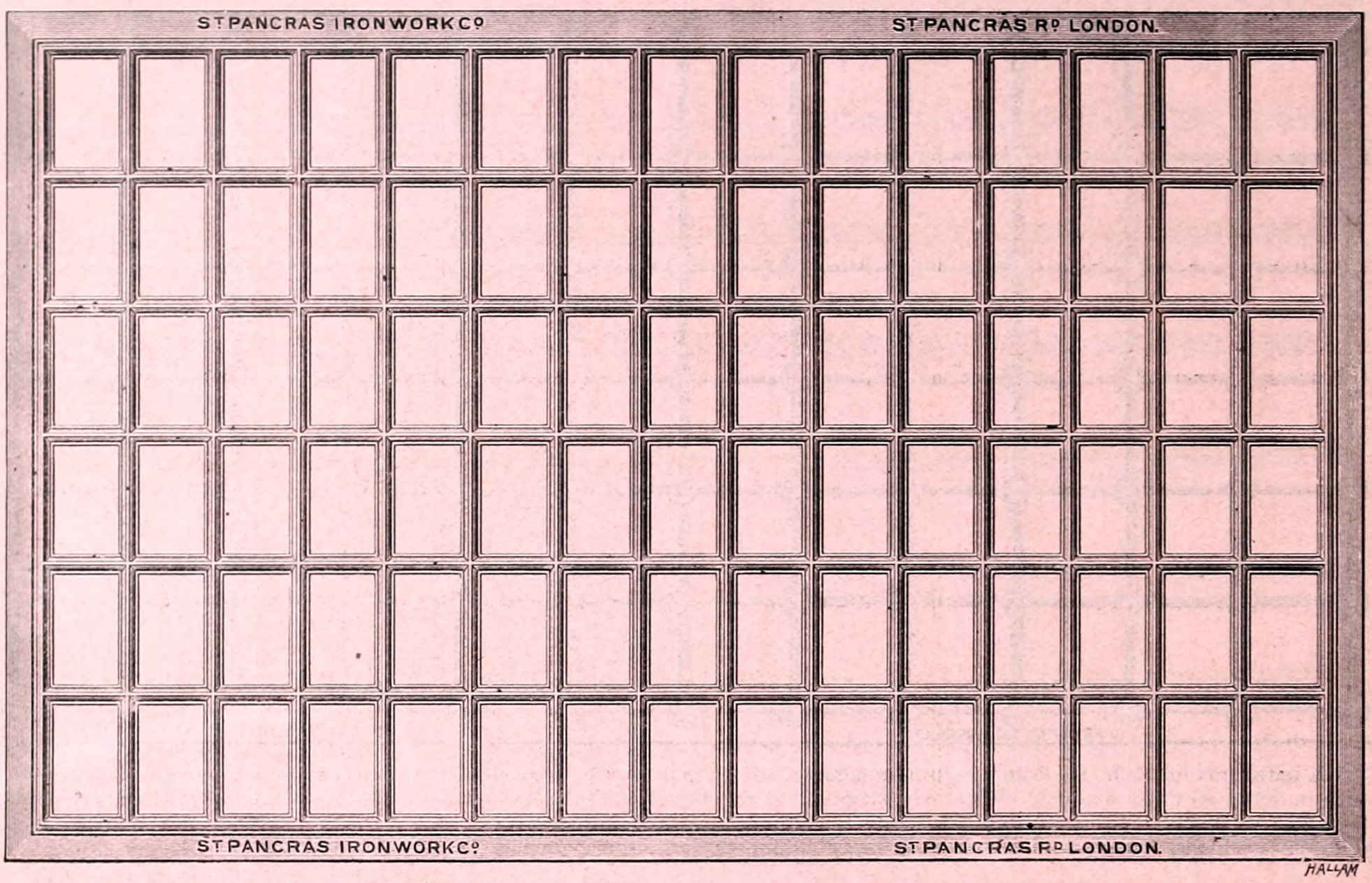
Fixed Ventilating Panels, in place of Lenses, supplied without extra charge ; Hit and Miss, ditto, 1s. 6d. each.

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 1⅜ IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Height.	Length. ft.	Length. in.	Height. ft.	Height. in.	Super. ft.	Super. in.
4	1	2	3	0	9	1	9
„	2	„	„	1	3	2	10
„	3	„	„	1	9	4	0
„	4	„	„	2	3	5	1
„	5	„	„	2	9	6	3
„	6	„	„	3	3	7	4
5	1	2	9	0	9	2	1
„	2	„	„	1	3	3	6
„	3	„	„	1	9	4	10
„	4	„	„	2	3	6	3
„	5	„	„	2	9	7	7
„	6	„	„	3	3	9	0
6	1	3	3	0	9	2	6
„	2	„	„	1	3	4	1
„	3	„	„	1	9	5	9
„	4	„	„	2	3	7	4
„	5	„	„	2	9	9	0
„	6	„	„	3	3	10	7
7	1	3	9	0	9	2	10
„	2	„	„	1	3	4	9
„	3	„	„	1	9	6	7
„	4	„	„	2	3	8	6
„	5	„	„	2	9	10	4
„	6	„	„	3	3	12	3
8	1	4	3	0	9	3	3
„	2	„	„	1	3	5	4
„	3	„	„	1	9	7	6
„	4	„	„	2	3	9	7
„	5	„	„	2	9	11	9
„	6	„	„	3	3	13	10
9	1	4	9	0	9	3	7
„	2	„	„	1	3	6	0
„	3	„	„	1	9	8	4
„	4	„	„	2	3	10	9
„	5	„	„	2	9	13	1
„	6	„	„	3	3	15	6
10	1	5	3	0	9	4	0
„	2	„	„	1	3	6	7
„	3	„	„	1	9	9	3
„	4	„	„	2	3	11	10
„	5	„	„	2	9	14	6
„	6	„	„	3	3	17	1
11	1	5	9	0	9	4	4
„	2	„	„	1	3	7	3
„	3	„	„	1	9	10	1
„	4	„	„	2	3	13	0
„	5	„	„	2	9	15	10
„	6	„	„	3	3	18	9
12	1	6	3	0	9	4	9
„	2	„	„	1	3	7	10
„	3	„	„	1	9	11	0
„	4	„	„	2	3	14	1
„	5	„	„	2	9	17	3
„	6	„	„	3	3	20	4

No. 17 PATTERN STALL-BOARD LIGHT.

4 in. by 6 in. Lenses.



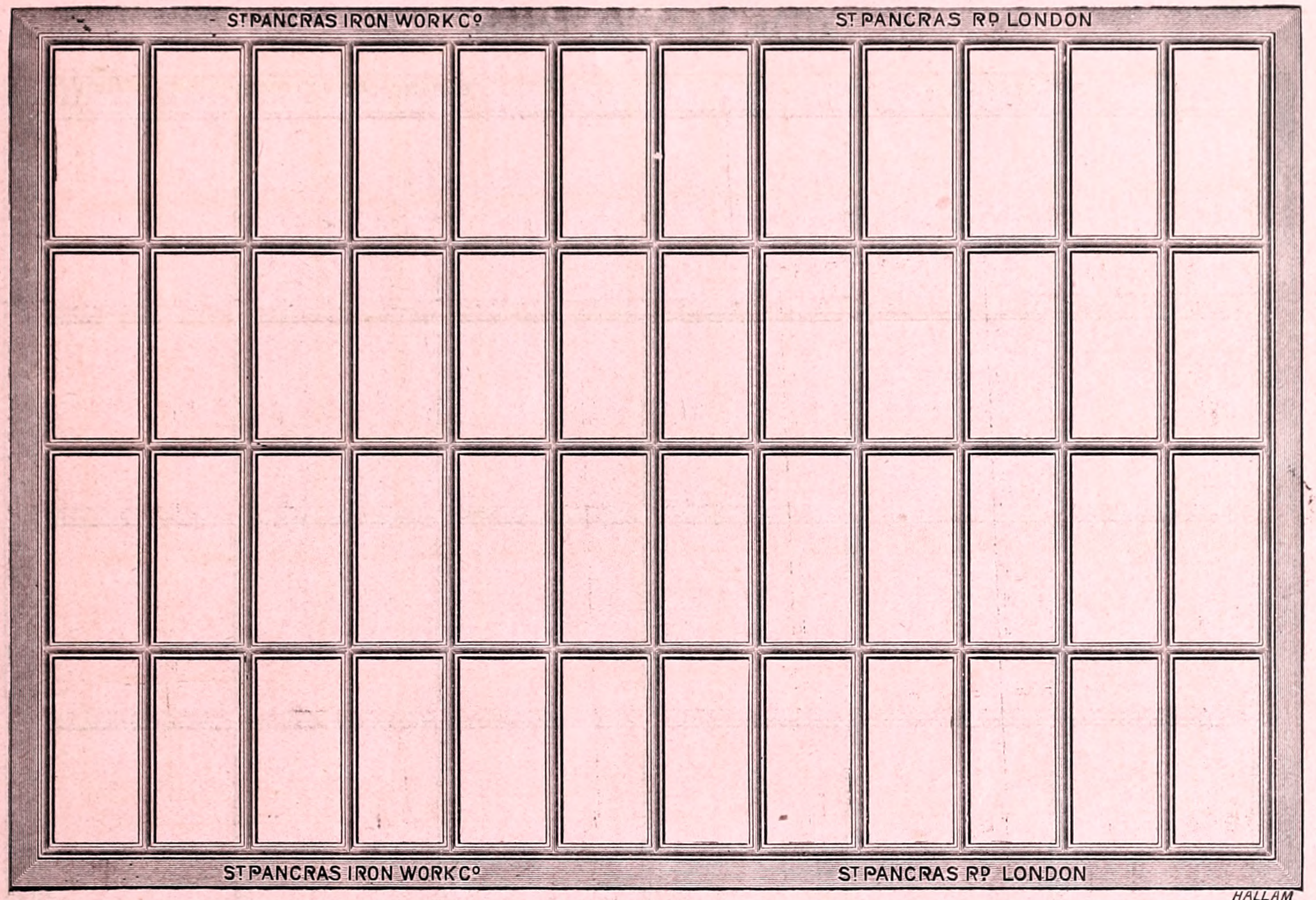
Any of the sizes below can be made from Stock patterns, and may be glazed with any of the following kinds of Lenses, which are shown in detail on pages 6 and 7. Section of bar same as No. 15 pattern, page 30. With the exception of "Lighthouse" Prismatic and Oxford, the Lenses and Prices are the same as No. 15 pattern.

OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
4	2	1 10½	1 6¼	2 11
,,	3	,, ,,	2 1¼	4 0
,,	4	,, ,,	2 8¼	5 1
5	2	2 3½	1 6¼	3 6
,,	3	,, ,,	2 1¼	4 10
,,	4	,, ,,	2 8¼	6 2
6	2	2 8	1 6¼	4 1
,,	3	,, ,,	2 1¼	5 8
,,	4	,, ,,	2 8¼	7 2
7	2	3 0½	1 6¼	4 8
,,	3	,, ,,	2 1¼	6 5
,,	4	,, ,,	2 8¼	8 3
8	2	3 5½	1 6¼	5 4
,,	3	,, ,,	2 1¼	7 4
,,	4	,, ,,	2 8¼	9 4
,,	5	,, ,,	3 3¼	11 4
9	2	3 10	1 6¼	5 10
,,	3	,, ,,	2 1¼	8 1
,,	4	,, ,,	2 8¼	10 4
,,	5	,, ,,	3 3¼	12 7
,,	6	,, ,,	3 10¼	14 10
10	2	4 2½	1 6¼	6 5
,,	3	,, ,,	2 1¼	8 11
,,	4	,, ,,	2 8¼	11 4
,,	5	,, ,,	3 3¼	13 10
,,	6	,, ,,	3 10¼	16 3
11	2	4 7¼	1 6¼	7 0
,,	3	,, ,,	2 1¼	9 9
,,	4	,, ,,	2 8¼	12 5
,,	5	,, ,,	3 3¼	15 1
,,	6	,, ,,	3 10¼	17 10
12	2	5 0	1 6¼	7 8
,,	3	,, ,,	2 1¼	10 5
,,	4	,, ,,	2 8¼	13 6
,,	5	,, ,,	3 3¼	16 5
,,	6	,, ,,	3 10¼	19 4
13	2	5 4½	1 6¼	8 3
,,	3	,, ,,	2 1¼	11 4
,,	4	,, ,,	2 8¼	14 5
,,	5	,, ,,	3 3¼	17 7
,,	6	,, ,,	3 10¼	20 8
14	2	5 9	1 6¼	8 9
,,	3	,, ,,	2 1¼	12 2
,,	4	,, ,,	2 8¼	15 6
,,	5	,, ,,	3 3¼	18 10
,,	6	,, ,,	3 10¼	22 2
15	2	6 2	1 6¼	9 5
,,	3	,, ,,	2 1¼	13 0
,,	4	,, ,,	2 8¼	16 7
,,	5	,, ,,	3 3¼	20 2
,,	6	,, ,,	3 10¼	23 10
16	2	6 6½	1 6¼	10 0
,,	3	,, ,,	2 1¼	13 10
,,	4	,, ,,	2 8¼	17 7
17	2	6 11	1 6¼	10 7
,,	3	,, ,,	2 1¼	14 7
,,	4	,, ,,	2 8¼	18 7
,,	5	,, ,,	3 3¼	23 0
,,	6	,, ,,	3 10¼	27 1

No. 19 PATTERN STALL-BOARD LIGHT.

$5\frac{1}{2}$ in. by $11\frac{1}{4}$ in. Lenses.



Section of bar 

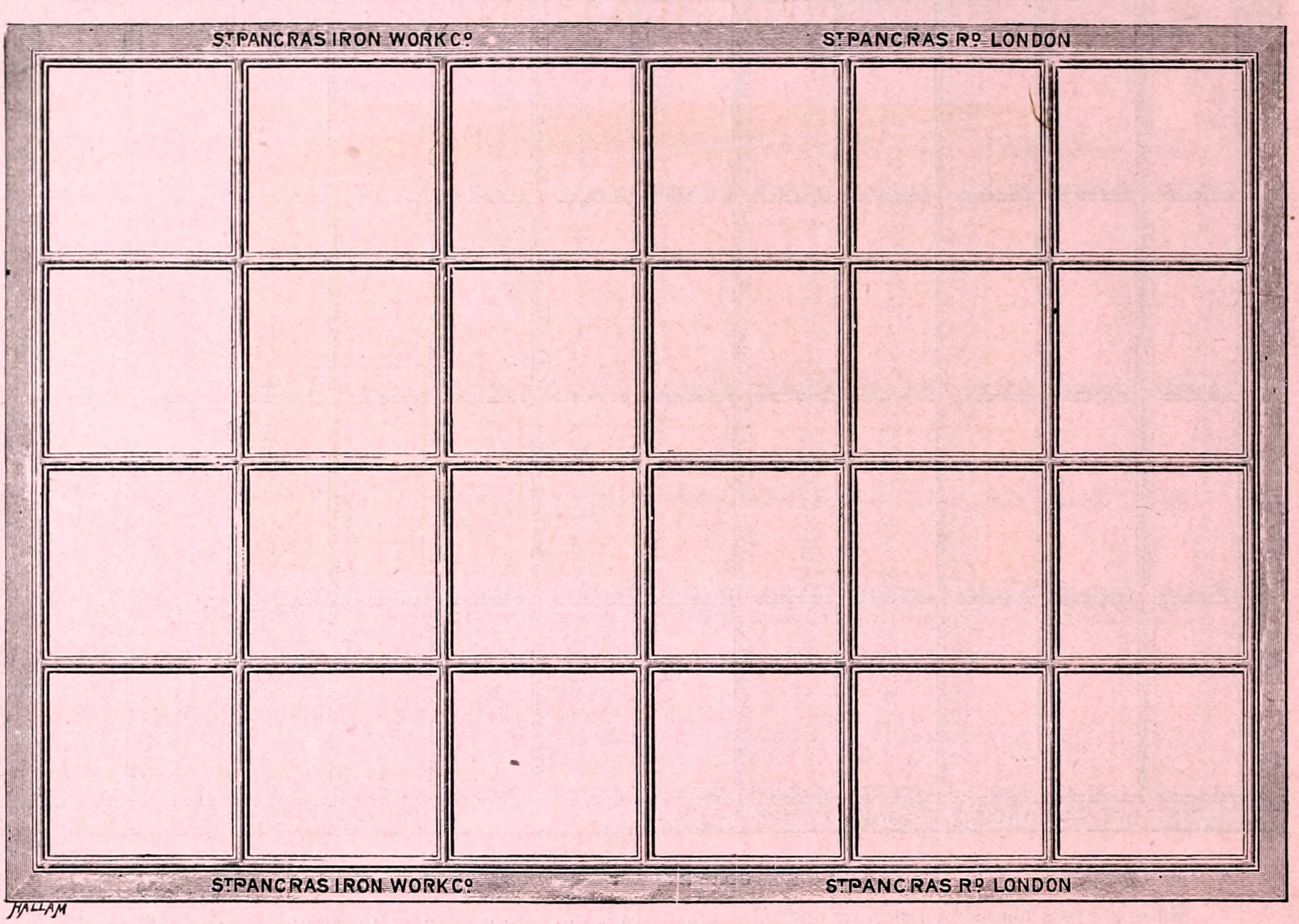
	Price per ft. super, Stock sizes.
Multiple Prism Lenses for reflecting light	£0 7 6
Chequered Lenses	0 6 6
Best Rough Plate	0 4 6
Extra for special sizes to order	0 1 0

OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft. in.	Depth. ft. in.	Super. ft. in.
4	× 1	2 4	× 1 4	= 3 2
	„ 1½		„ 1 10	= 4 4
	„ 2		„ 2 4	= 5 6
5	× 1	2 10	× 1 4	= 3 10
	„ 1½		„ 1 10	= 5 3
	„ 2		„ 2 4	= 6 8
	„ 2½		„ 2 10	= 8 1
6	× 1	3 4	× 1 4	= 4 6
	„ 1½		„ 1 10	= 6 2
	„ 2		„ 2 4	= 7 10
	„ 2½		„ 2 10	= 9 6
	„ 3		„ 3 4	=11 2
7	× 1	3 10	× 1 4	= 5 2
	„ 1½		„ 1 10	= 7 1
	„ 2		„ 2 4	= 9 0
	„ 2½		„ 2 10	=10 11
	„ 3		„ 3 4	=12 10
8	× 1	4 4	× 1 4	= 5 10
	„ 1½		„ 1 10	= 8 0
	„ 2		„ 2 4	=10 2
	„ 2½		„ 2 10	=12 4
	„ 3		„ 3 4	=14 6
	„ 4		„ 4 4	=18 10
9	× 1	4 10	× 1 4	= 6 6
	„ 1½		„ 1 10	= 8 11
	„ 2		„ 2 4	=11 4
	„ 2½		„ 2 10	=13 9
	„ 3		„ 3 4	=16 2
	„ 4		„ 4 4	=21 0
10	× 1	5 4	× 1 4	= 7 2
	„ 1½		„ 1 10	= 9 10
	„ 2		„ 2 4	=12 6
	„ 2½		„ 2 10	=15 2
	„ 3		„ 3 4	=17 10
	„ 4		„ 4 4	=23 2
11	× 1	5 10	× 1 4	= 7 10
	„ 1½		„ 1 10	=10 9
	„ 2		„ 2 4	=13 8
	„ 2½		„ 2 10	=16 7
	„ 3		„ 3 4	=19 6
	„ 4		„ 4 4	=25 4
12	× 1	6 4	× 1 4	= 8 6
	„ 1½		„ 1 10	=11 8
	„ 2		„ 2 4	=14 10
	„ 2½		„ 2 10	=18 0
	„ 3		„ 3 4	=21 2
	„ 4		„ 4 4	=27 6

No. 20 PATTERN STALL-BOARD LIGHT.

11¼ in. by 11¼ in. Lenses.



This pattern is made in the sizes enumerated below, and may be glazed with any of the following kinds of lenses, which are shown in detail on pages 6 and 7. For ventilation see page 35. Section of bar 

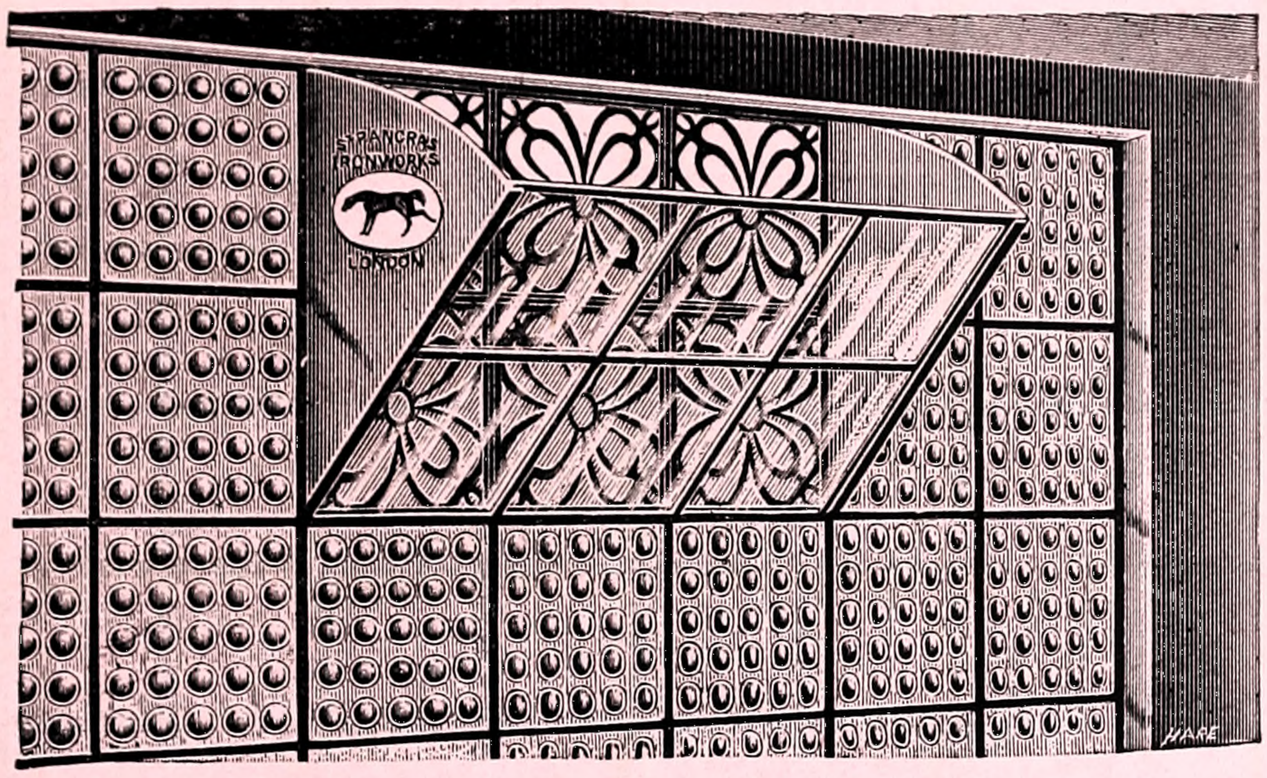
	Price per ft. super, Stock sizes.
Prismatic Lenses	£0 10 6
Chequered Lenses	0 7 6
Best Rough Plate	0 4 0
Extra for special sizes to order	0 1 0

OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

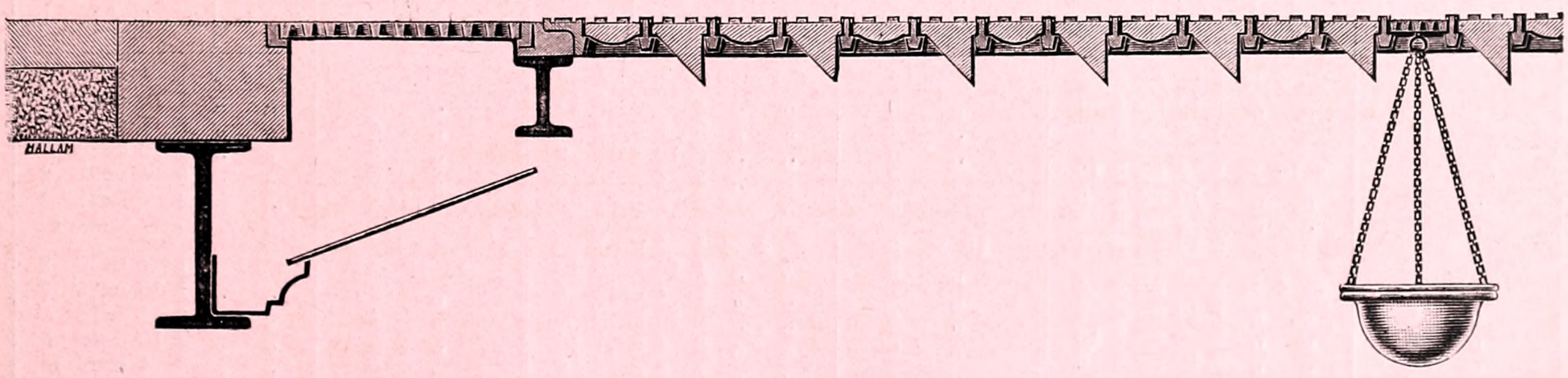
No. of Lenses in Length.	No. of Lenses in Height.	Length. ft.	Length. in.	Height. ft.	Height. in.	Super. ft.	Super. in.
2	1	2	4	1	4	3	2
,,	2	,,	,,	2	4	5	6
3	1	3	4	1	4	4	6
,,	2	,,	,,	2	4	7	10
,,	3	,,	,,	3	4	11	2
4	1	4	4	1	4	5	10
,,	2	,,	,,	2	4	10	2
,,	3	,,	,,	3	4	14	6
,,	4	,,	,,	4	4	18	10
5	1	5	4	1	4	7	2
,,	2	,,	,,	2	4	12	6
,,	3	,,	,,	3	4	17	10
,,	4	,,	,,	4	4	23	2
6	1	6	4	1	4	8	6
,,	2	,,	,,	2	4	14	10
,,	3	,,	,,	3	4	21	2
,,	4	,,	,,	4	4	27	6

Information, Advice, and Estimates will be gladly given when required.

STALL-BOARD AND PAVEMENT LIGHT VENTILATION.

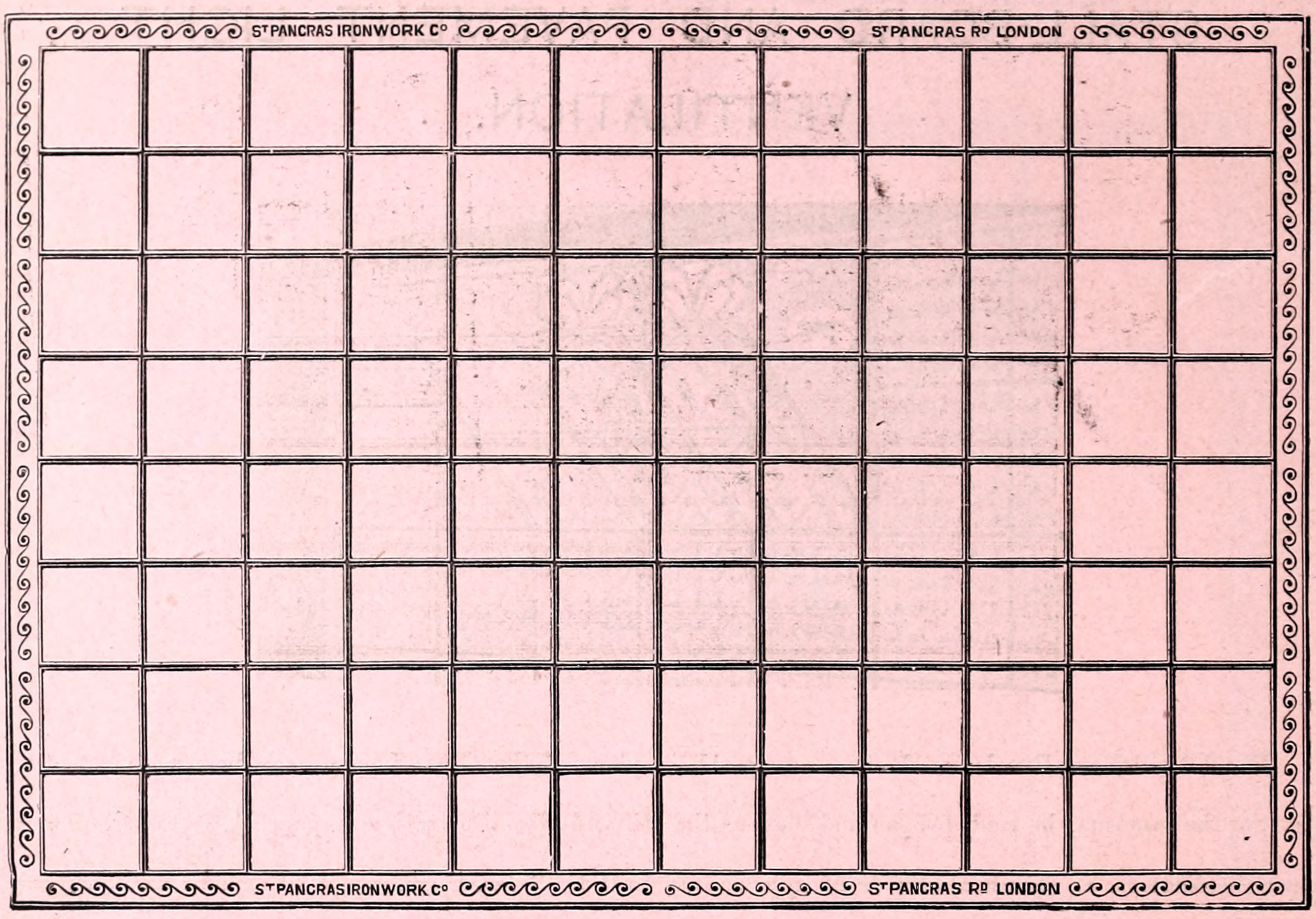


Fixed Ventilator Panels, as shown on page 11, in place of the Glass Lenses, may be used without extra charge; or the same may be made to open and close as the Hit-and-Miss illustration on page 11, at 1s. 6d. each extra. Hopper Ventilators, as shown above, or of any size up to 4 by 3 lenses, may also be had at an extra cost of 15s. each; or the whole Light may be hung on hinges at top, bottom, or sides, in which case an angle iron frame is generally supplied. In ordering, information should be given whereby suitable preparation for fixing, fastening, &c., may be made according to the circumstances.



This illustration shows two modes of ventilating pavement lights without wet coming in, such as are used for underground conveniences and other basements. To the right is shown a glass globe hung below a ventilating panel in place of a lens; other sizes taking several lenses may be had up to 18 ins. diameter. To the left is shown a continuous line of grating, the wet from which is caught by a rain-water gutter.

No. 8 PATTERN FLOOR LIGHT. Smooth on Surface. 5½ in. by 5½ in. Lenses.

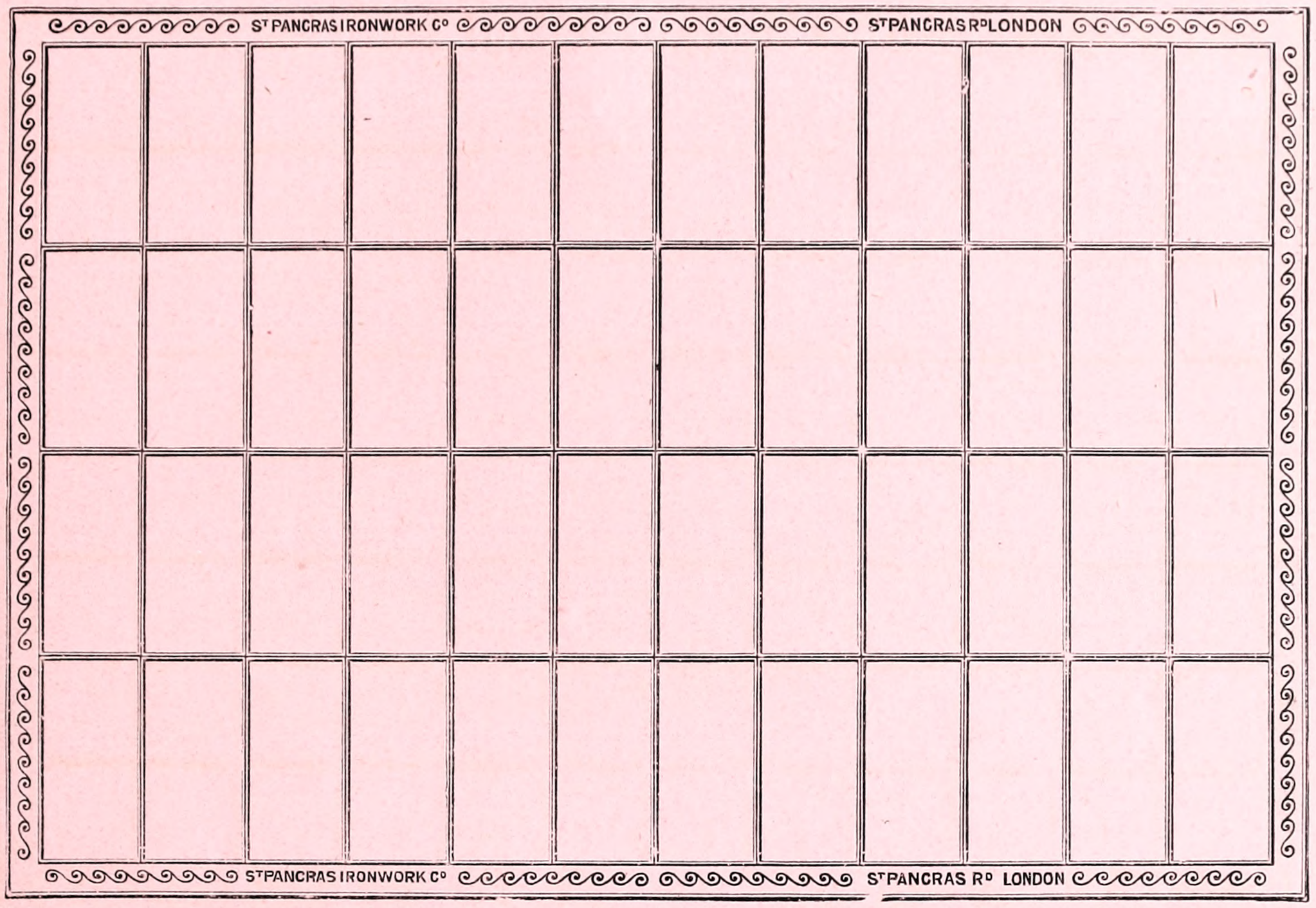


Semi-Prism Lenses for reflecting light	£0 9 0	Per ft. super, Stock sizes.
Multiple Semi-Prism „ „	0 7 0	
Lighthouse, Chequered, Beaded, 25 Button, or Oxford Lenses	0 6 6	
Best Rough Plate	0 4 6	
Extra for special sizes to order	0 1 0	

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
4	× 2	2	4 ×	1	4 =	3	2
„	3	„	„	1	10 =	4	4
„	4	„	„	2	4 =	5	6
5	× 2	2	10 ×	1	4 =	3	10
„	3	„	„	1	10 =	5	3
„	4	„	„	2	4 =	6	8
„	5	„	„	2	10 =	8	1
6	× 2	3	4 ×	1	4 =	4	6
„	3	„	„	1	10 =	6	2
„	4	„	„	2	4 =	7	10
„	5	„	„	2	10 =	9	6
„	6	„	„	3	4 =	11	2
7	× 2	3	10 ×	1	4 =	5	2
„	3	„	„	1	10 =	7	1
„	4	„	„	2	4 =	9	0
„	5	„	„	2	10 =	10	11
„	6	„	„	3	4 =	12	10
8	× 2	4	4 ×	1	4 =	5	10
„	3	„	„	1	10 =	8	0
„	4	„	„	2	4 =	10	2
„	5	„	„	2	10 =	12	4
„	6	„	„	3	4 =	14	6
„	8	„	„	4	4 =	18	10
9	× 2	4	10 ×	1	4 =	6	6
„	3	„	„	1	10 =	8	11
„	4	„	„	2	4 =	11	4
„	5	„	„	2	10 =	13	9
„	6	„	„	3	4 =	16	2
„	8	„	„	4	4 =	21	0
10	× 2	5	4 ×	1	4 =	7	2
„	3	„	„	1	10 =	9	10
„	4	„	„	2	4 =	12	6
„	5	„	„	2	10 =	15	2
„	6	„	„	3	4 =	17	10
„	8	„	„	4	4 =	23	2
„	10	„	„	5	4 =	28	6
11	× 2	5	10 ×	1	4 =	7	10
„	3	„	„	1	10 =	10	9
„	4	„	„	2	4 =	13	8
„	5	„	„	2	10 =	16	7
„	6	„	„	3	4 =	19	6
„	8	„	„	4	4 =	25	4
„	10	„	„	5	4 =	31	2
12	× 2	6	4 ×	1	4 =	8	6
„	3	„	„	1	10 =	11	8
„	4	„	„	2	4 =	14	10
„	5	„	„	2	10 =	18	0
„	6	„	„	3	4 =	21	2
„	8	„	„	4	4 =	27	6
„	10	„	„	5	4 =	33	10
13	× 2	6	10 ×	1	4 =	9	2
„	3	„	„	1	10 =	12	7
„	4	„	„	2	4 =	16	0
„	5	„	„	2	10 =	19	5
„	6	„	„	3	4 =	22	10
„	8	„	„	4	4 =	29	8
14	× 2	7	4 ×	1	4 =	9	10
„	3	„	„	1	10 =	13	6
„	4	„	„	2	4 =	17	2
„	5	„	„	2	10 =	20	10
„	6	„	„	3	4 =	24	6
„	8	„	„	4	4 =	31	10

No. 9 PATTERN FLOOR LIGHT. Smooth on Surface. 5½ in. by 11¼ in. Lenses.



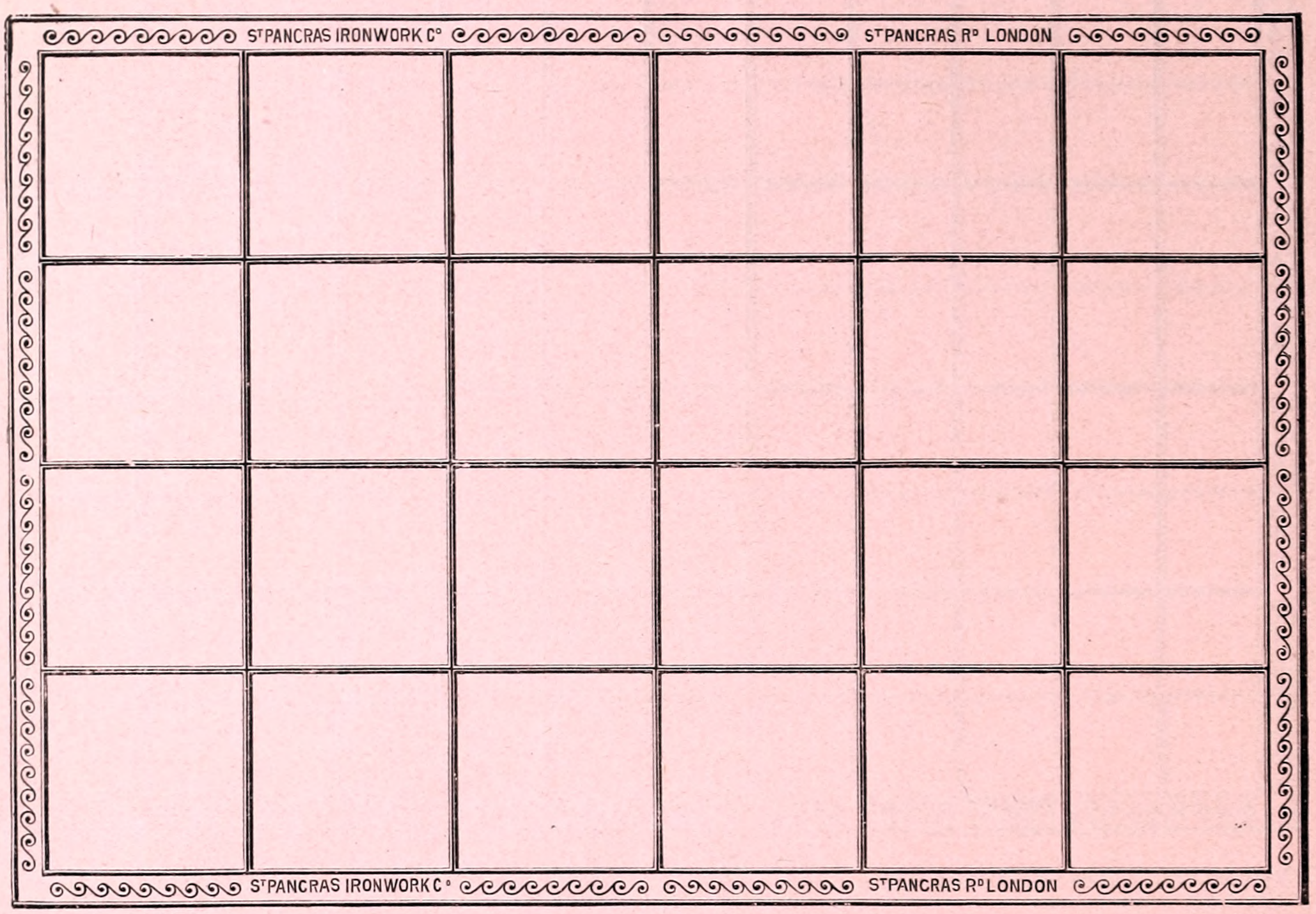
	Price per ft. super, Stock sizes.					Price per ft. super, Stock sizes.				
Multiple Prism Lenses for reflecting light ...	£0	7	6	Best Rough Plate...	£0	4	6
Chequered Lenses	0	6	6	Extra for special sizes to order...	0	1	0

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	in.	Depth. ft.	in.	Super. ft.	in.
4	1	2	4	1	4	3	2
,,	1½	,,	,,	1	10	4	4
,,	2	,,	,,	2	4	5	6
5	1	2	10	1	4	3	10
,,	1½	,,	,,	1	10	5	3
,,	2	,,	,,	2	4	6	8
,,	2½	,,	,,	2	10	8	1
6	1	3	4	1	4	4	6
,,	1½	,,	,,	1	10	6	2
,,	2	,,	,,	2	4	7	10
,,	2½	,,	,,	2	10	9	6
,,	3	,,	,,	3	4	11	2
7	1	3	10	1	4	5	2
,,	1½	,,	,,	1	10	7	1
,,	2	,,	,,	2	4	9	0
,,	2½	,,	,,	2	10	10	11
,,	3	,,	,,	3	4	12	10
8	1	4	4	1	4	5	10
,,	1½	,,	,,	1	10	8	0
,,	2	,,	,,	2	4	10	2
,,	2½	,,	,,	2	10	12	4
,,	3	,,	,,	3	4	14	6
,,	4	,,	,,	4	4	18	10
9	1	4	10	1	4	6	6
,,	1½	,,	,,	1	10	8	11
,,	2	,,	,,	2	4	11	4
,,	2½	,,	,,	2	10	13	9
,,	3	,,	,,	3	4	16	2
,,	4	,,	,,	4	4	21	0
10	1	5	4	1	4	7	2
,,	1½	,,	,,	1	10	9	10
,,	2	,,	,,	2	4	12	6
,,	2½	,,	,,	2	10	15	2
,,	3	,,	,,	3	4	17	10
,,	4	,,	,,	4	4	23	2
,,	5	,,	,,	5	4	28	6
11	1	5	10	1	4	7	10
,,	1½	,,	,,	1	10	10	9
,,	2	,,	,,	2	4	13	8
,,	2½	,,	,,	2	10	16	7
,,	3	,,	,,	3	4	19	6
,,	4	,,	,,	4	4	25	4
,,	5	,,	,,	5	4	31	2
12	1	6	4	1	4	8	6
,,	1½	,,	,,	1	10	11	8
,,	2	,,	,,	2	4	14	10
,,	2½	,,	,,	2	10	18	0
,,	3	,,	,,	3	4	21	2
,,	4	,,	,,	4	4	27	6
,,	5	,,	,,	5	4	33	10
13	1	6	10	1	4	9	2
,,	1½	,,	,,	1	10	12	7
,,	2	,,	,,	2	4	16	0
,,	2½	,,	,,	2	10	19	5
,,	3	,,	,,	3	4	22	10
,,	4	,,	,,	4	4	29	8
14	1	7	4	1	4	9	10
,,	1½	,,	,,	1	10	13	6
,,	2	,,	,,	2	4	17	2
,,	2½	,,	,,	2	10	20	10
,,	3	,,	,,	3	4	24	6
,,	4	,,	,,	4	4	31	10

No. 10 PATTERN FLOOR LIGHT.

Smooth on Surface. 11¼ in. by 11¼ in. Lenses.



This pattern of Floor Light is made in the Stock sizes enumerated below, and may be glazed with Chequered Flint Glass Lenses or with Rough Plate. Being intended chiefly for indoor use, the Frames are made without roughings on the surface.

	Price per ft. super, Stock sizes.
Chequered Lenses	£0 7 6
Best Rough Plate	0 4 0
Extra for special sizes to order	0 1 0

SIZES OF FRAMES USUALLY IN STOCK. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

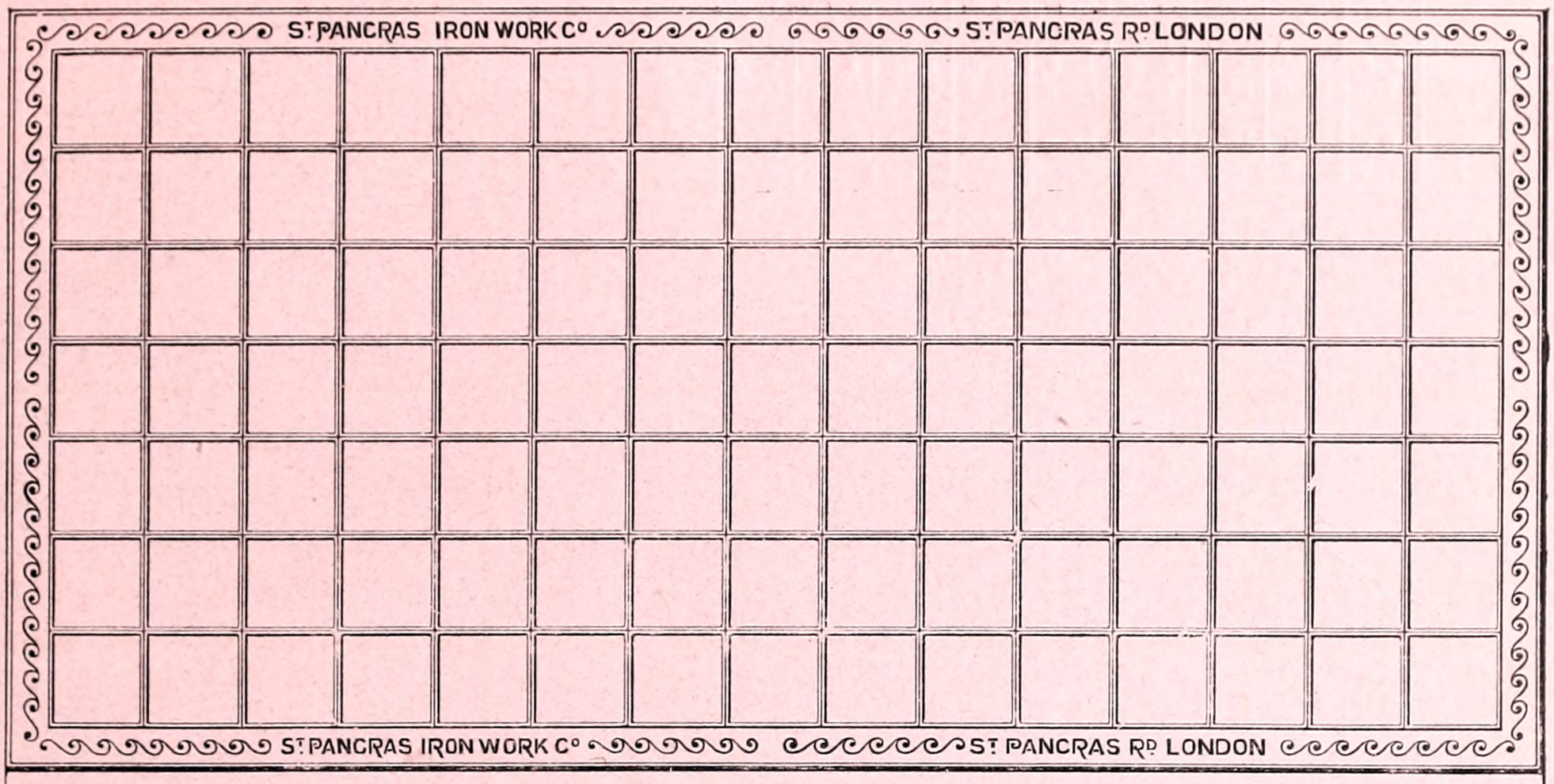
No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
2	× 1	2	4 × 1	4 =		3	2
„	2	„	„ 2	4 =		5	6
3	× 1	3	4 × 1	4 =		4	6
„	2	„	„ 2	4 =		7	10
„	3	„	„ 3	4 =		11	2
4	× 1	4	4 × 1	4 =		5	10
„	2	„	„ 2	4 =		10	2
„	3	„	„ 3	4 =		14	6
„	4	„	„ 4	4 =		18	10
5	× 1	5	4 × 1	4 =		7	2
„	2	„	„ 2	4 =		12	6
„	3	„	„ 3	4 =		17	10
„	4	„	„ 4	4 =		23	2
„	5	„	„ 5	4 =		28	6
6	× 1	6	4 × 1	4 =		8	6
„	2	„	„ 2	4 =		14	10
„	3	„	„ 3	4 =		21	2
„	4	„	„ 4	4 =		27	6
„	5	„	„ 5	4 =		33	10

The above sizes of Iron Frames are usually kept in Stock ; to set the Lenses in them requires a few days.
Other sizes can be made to order, and if of irregular shape it is best to send template or figured sketch.
In ordering, the following particulars should be given :—
Pattern number. Kind of Lens. Over-all size. Number and position of Ventilating Panels, if required.

Information, Advice, and Estimates will be gladly given when desired.

No. 11 PATTERN RAILWAY PLATFORM OR WAREHOUSE LIGHT.

Smooth on Surface. 4 in. by 4 in. Lenses.



This pattern is made extra strong to withstand rough wear on Railway Platforms, and in Mil's and Warehouses. It has been used with much success on the platforms for lighting the new subway of the Glasgow and S. W. Railway Co.'s St. Enoch Station, Glasgow, and elsewhere.

	Price per ft. super, Stock sizes.				Price per ft. super, Stock sizes.		
Semi-Prism Lenses, extra thick	£0	10	0	Best Rough Plate, 1 in. thick	£0	6	0
Flat Lenses, button underside, extra thick...	0	8	0	Extra for special sizes	0	1	0

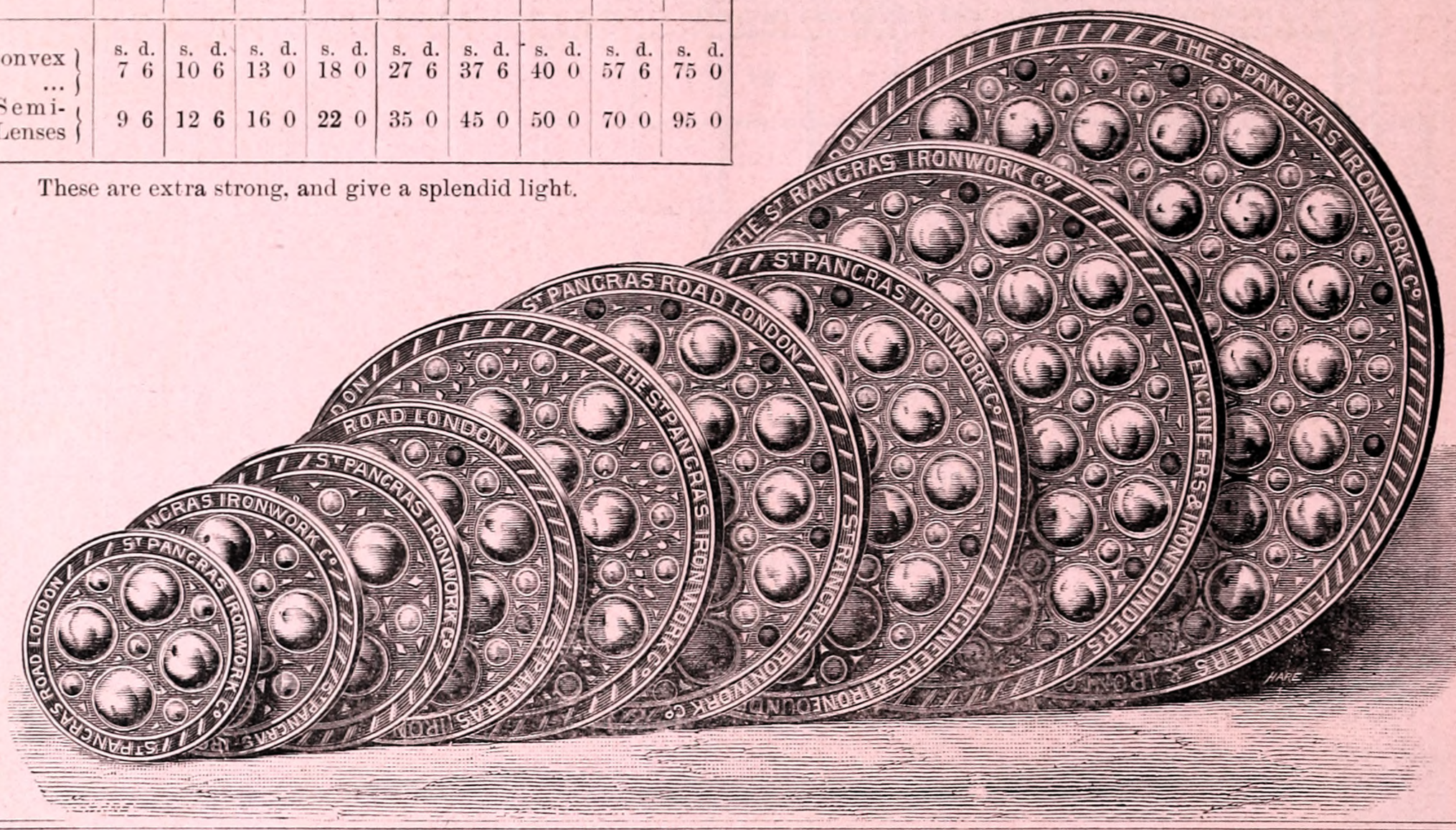
SIZES OF FRAMES WHICH CAN BE MADE. OVER-ALL DIMENSIONS, INCLUDING 2 IN. FLANGE ALL ROUND.

No. of Lenses in Length.	No. of Lenses in Depth.	Length. ft.	Length. in.	Depth. ft.	Depth. in.	Super. ft.	Super. in.
4	3	1	10½ ×	1	6¼ =	3	11
,,	4	,,	,,	1	10¾ =	4	7
,,	5	,,	,,	2	3½ =	5	4
,,	6	,,	,,	2	8¼ =	6	1
5	3	2	3½ ×	1	6¼ =	4	6
,,	4	,,	,,	1	10¾ =	5	5
,,	5	,,	,,	2	3½ =	6	3
,,	6	,,	,,	2	8¼ =	7	2
6	3	2	8 ×	1	6¼ =	5	1
,,	4	,,	,,	1	10¾ =	6	2
,,	5	,,	,,	2	3½ =	7	2
,,	6	,,	,,	2	8¼ =	8	2
7	3	3	0½ ×	1	6¼ =	5	0
,,	4	,,	,,	1	10¾ =	6	3
,,	5	,,	,,	2	3½ =	7	6
,,	6	,,	,,	2	8¼ =	8	5
8	3	3	5½ ×	1	6¼ =	5	8
,,	4	,,	,,	1	10¾ =	6	11
,,	5	,,	,,	2	3½ =	8	4
,,	6	,,	,,	2	8¼ =	9	8
9	3	3	10 ×	1	6¼ =	6	0
,,	4	,,	,,	1	10¾ =	7	8
,,	5	,,	,,	2	3½ =	8	10
,,	6	,,	,,	2	8¼ =	10	4
,,	7	,,	,,	3	1 =	11	10
,,	8	,,	,,	3	5¼ =	13	3
10	3	4	2½ ×	1	6¼ =	6	5
,,	4	,,	,,	1	10¾ =	8	0
,,	5	,,	,,	2	3½ =	9	8
,,	6	,,	,,	2	8¼ =	11	4
,,	7	,,	,,	3	1 =	13	0
,,	8	,,	,,	3	5¼ =	14	6
11	3	4	7¼ ×	1	6¼ =	7	0
,,	4	,,	,,	1	10¾ =	8	9
,,	5	,,	,,	2	3½ =	10	7
,,	6	,,	,,	2	8¼ =	12	5
,,	7	,,	,,	3	1 =	14	3
,,	8	,,	,,	3	5¼ =	15	10
12	3	5	0 ×	1	6¼ =	7	8
,,	4	,,	,,	1	10¾ =	9	6
,,	5	,,	,,	2	3½ =	11	6
,,	6	,,	,,	2	8¼ =	13	6
,,	7	,,	,,	3	1 =	15	5
,,	8	,,	,,	3	5¼ =	17	3
13	3	5	4½ ×	1	6¼ =	8	3
,,	4	,,	,,	1	10¾ =	10	3
,,	5	,,	,,	2	3½ =	12	4
,,	6	,,	,,	2	8¼ =	14	5
,,	7	,,	,,	3	1 =	16	7
,,	8	,,	,,	3	5¼ =	18	6
14	3	5	9 ×	1	6¼ =	8	9
,,	4	,,	,,	1	10¾ =	10	11
,,	5	,,	,,	2	3½ =	13	3
,,	6	,,	,,	2	8¼ =	15	6
,,	7	,,	,,	3	1 =	17	9
,,	8	,,	,,	3	5¼ =	19	10
15	3	6	2 ×	1	6¼ =	9	5
,,	4	,,	,,	1	10¾ =	11	9
,,	5	,,	,,	2	3½ =	14	2
,,	6	,,	,,	2	8¼ =	16	7
,,	7	,,	,,	3	1 =	19	1
,,	8	,,	,,	3	5¼ =	21	3
16	3	6	6½ ×	1	6¼ =	10	0
,,	4	,,	,,	1	10¾ =	12	5
,,	5	,,	,,	2	3½ =	15	0
,,	6	,,	,,	2	8¼ =	17	7
,,	7	,,	,,	3	1 =	20	3
,,	8	,,	,,	3	5¼ =	22	6
17	3	6	11 ×	1	6¼ =	10	7
,,	4	,,	,,	1	10¾ =	13	2
,,	5	,,	,,	2	3½ =	15	11
,,	6	,,	,,	2	8¼ =	18	7
,,	7	,,	,,	3	1 =	21	4
,,	8	,,	,,	3	5¼ =	23	10

CIRCULAR LIGHTS.

Diameters.	12 in.	14 in.	16 in.	18 in.	22 in.	24 in.	25 in.	30 in.	36 in.
With Convex Lenses ...	s. d. 7 6	s. d. 10 6	s. d. 13 0	s. d. 18 0	s. d. 27 6	s. d. 37 6	s. d. 40 0	s. d. 57 6	s. d. 75 0
With Semi-Prism Lenses	9 6	12 6	16 0	22 0	35 0	45 0	50 0	70 0	95 0

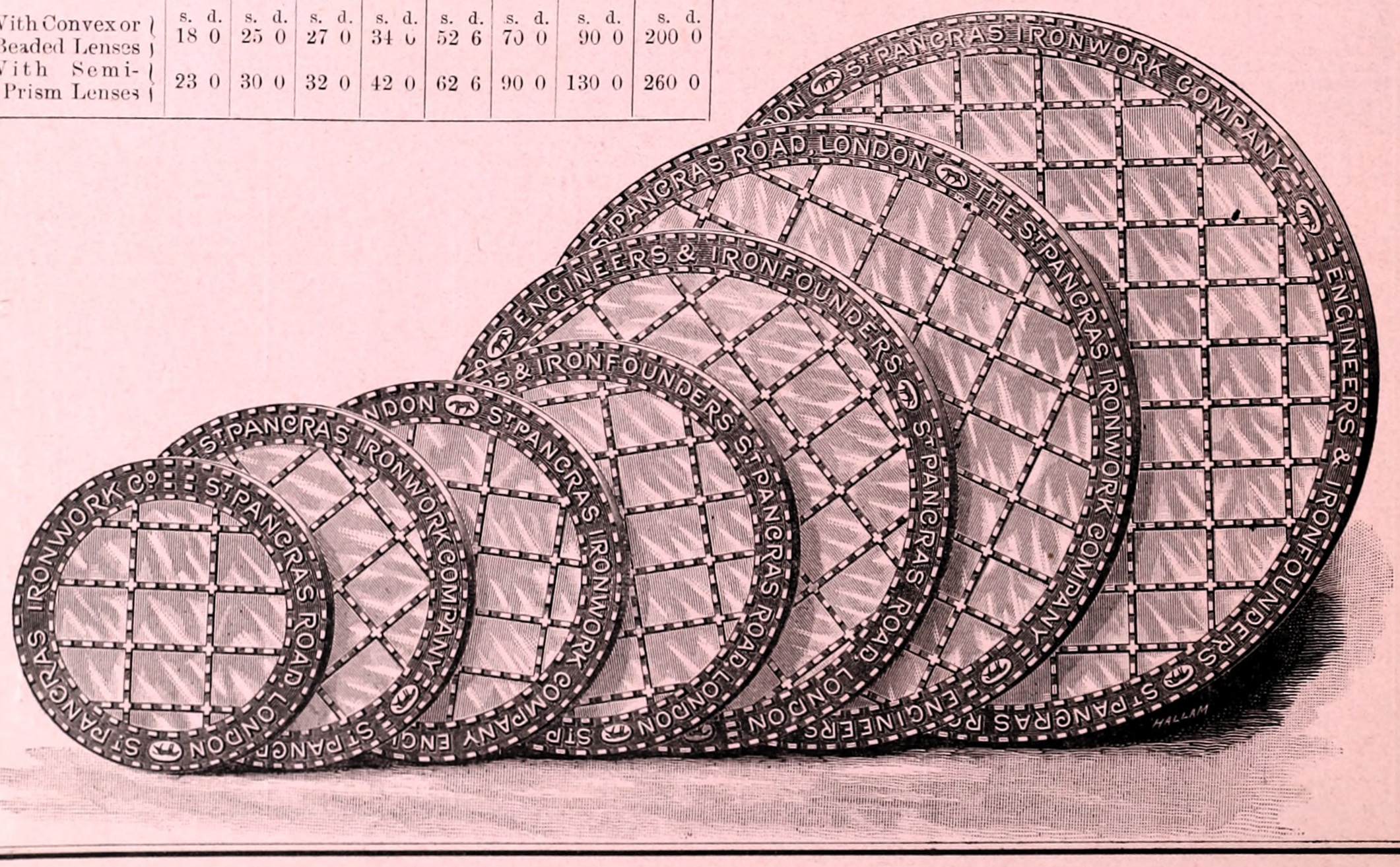
These are extra strong, and give a splendid light.



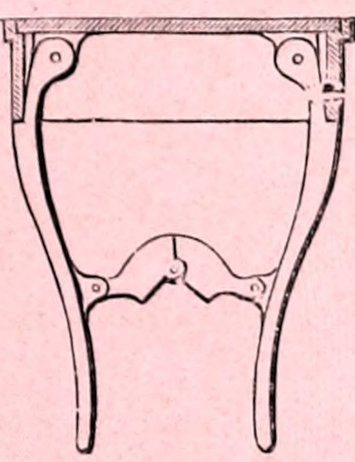
CIRCULAR LIGHTS.

With 4 in. by 3 in. Lenses, and similar to No. 1 Pattern, page 8.

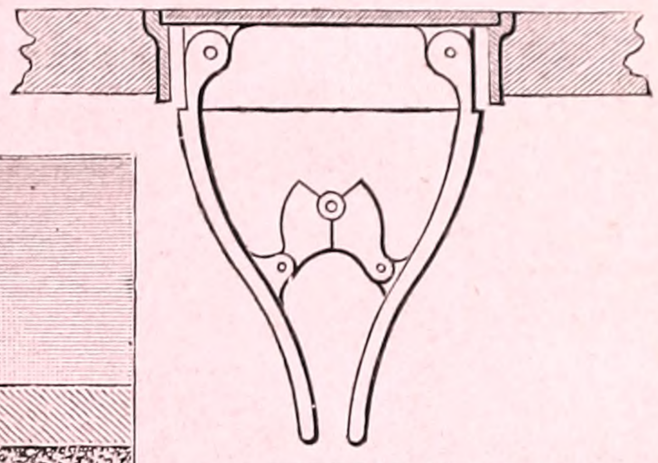
Diameters.	18 in.	21 in.	22 in.	24 in.	30 in.	36 in.	42 in.	60 in.
With Convex or Beaded Lenses	s. d. 18 0	s. d. 25 0	s. d. 27 0	s. d. 34 0	s. d. 52 6	s. d. 70 0	s. d. 90 0	s. d. 200 0
With Semi-Prism Lenses	23 0	30 0	32 0	42 0	62 6	90 0	130 0	260 0



ST. PANCRAS
PATENT SELF-FASTENING COAL PLATES.



LOCKED.



UNLOCKED.

No. 1.
12 in. Solid Iron.

No. 4.
12 in. Illuminating and Ventilating combined.

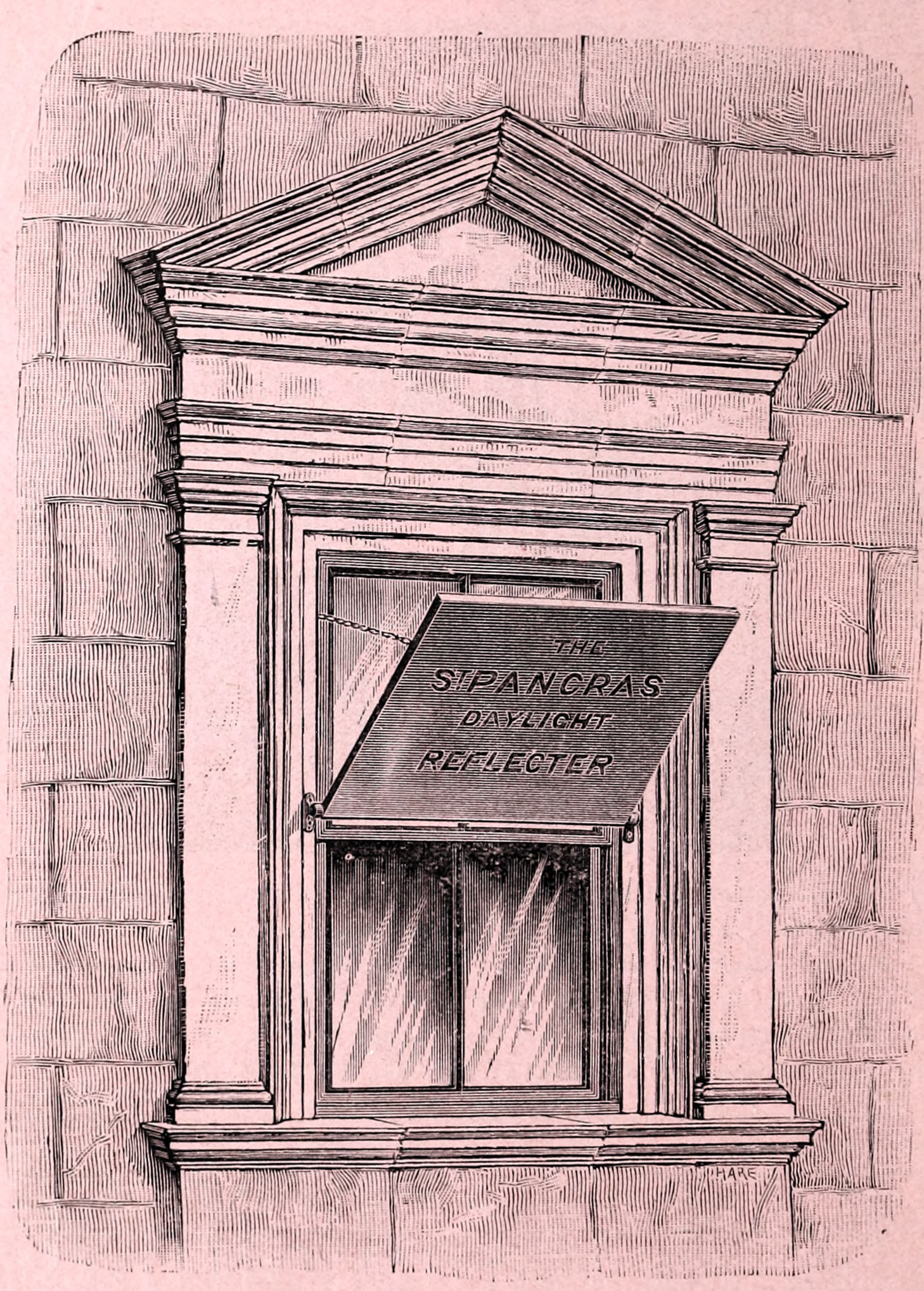
These newly-invented Patent Self-Fastening Coal Plates fasten automatically from the outside, but can only be opened from the inside, and that easily. They are strong and very simple in construction and action, have no springs or bolts, and cannot get out of order. The special protecting rings prevent the breaking of the pavement stones, which is constantly occurring where common Coal Plates are used. By their use the coal-heaver need not come into the cellar to open or close the hole, and house occupiers are safe from fear of having to pay damages for any injury to passengers under Act 57 Geo. III., cap. 29, sec. 70.

Complete with Protecting Ring.	Circular.				Square.			
Size of opening ...	12 in.	14 in.	16 in.	18 in.	12 in.	14 in.	16 in.	18 in.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
No. 1. Solid Iron	4 6	5 6	7 0	8 6	6 0	8 0	12 0	15 0
No. 2. Ventilating	4 6	5 6	7 0	8 6	6 0	8 0	12 0	15 0
No. 3. Illuminating	7 6	9 6	13 0	16 0	10 0	13 0	18 0	23 0
No. 4. Illuminating and Ventilating combined	7 6	9 6	13 0	16 0	10 0	13 0	18 0	23 0
Protecting Rings for Asphalte Pavements, in lieu of ordinary rings, extra	0 6	1 0	1 6	2 0	—	—	—	—
Illuminating Plates only for use as FIXED Pavement Lights	5 6	7 0	9 6	12 0	7 6	10 6	14 0	18 0

Ordinary Coal Plates, not Self-Fastening, in all Sizes, Plain, Ventilating, or Illuminating.

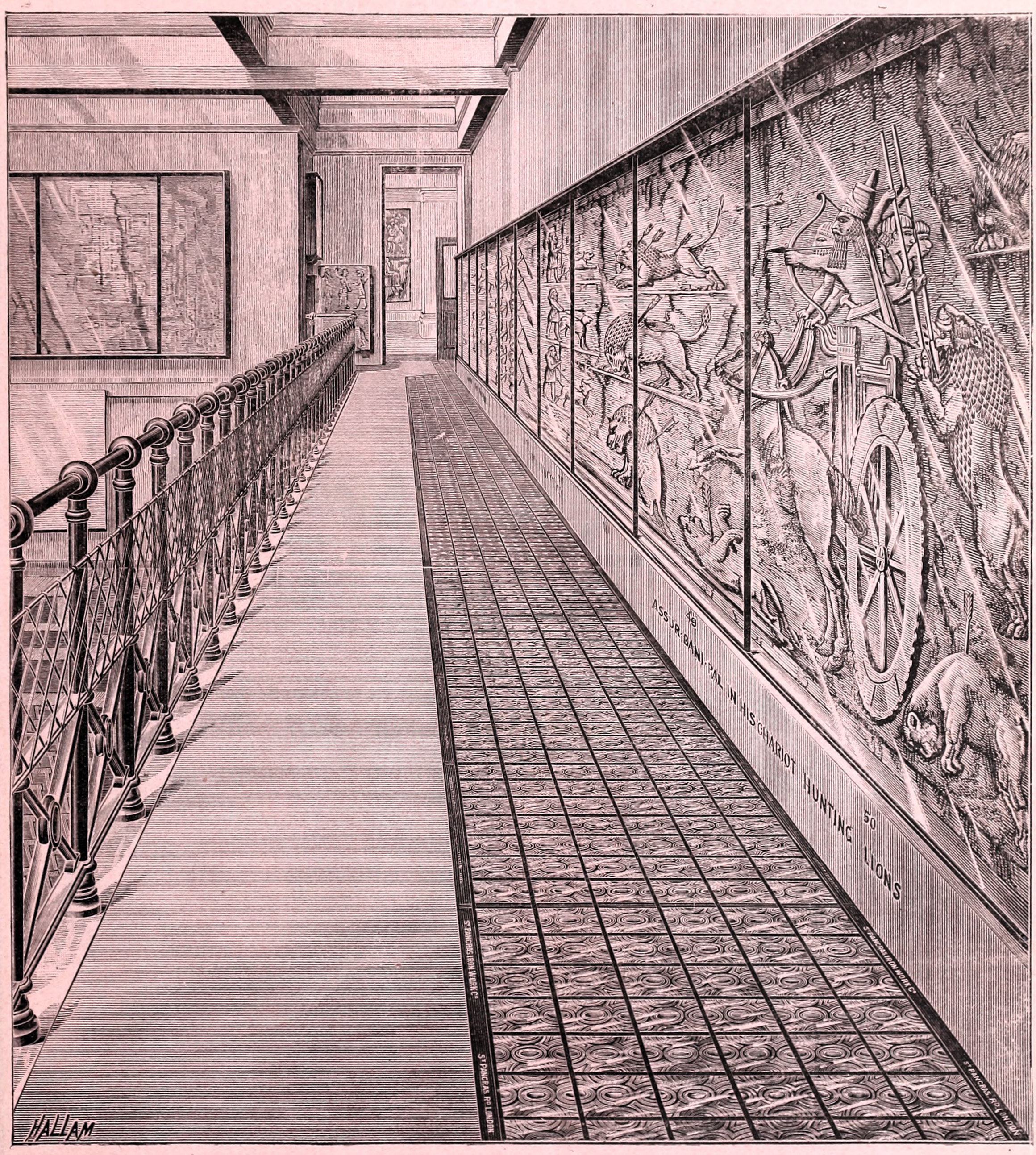
ST. PANCRAS

SILVERED DAYLIGHT REFLECTORS.



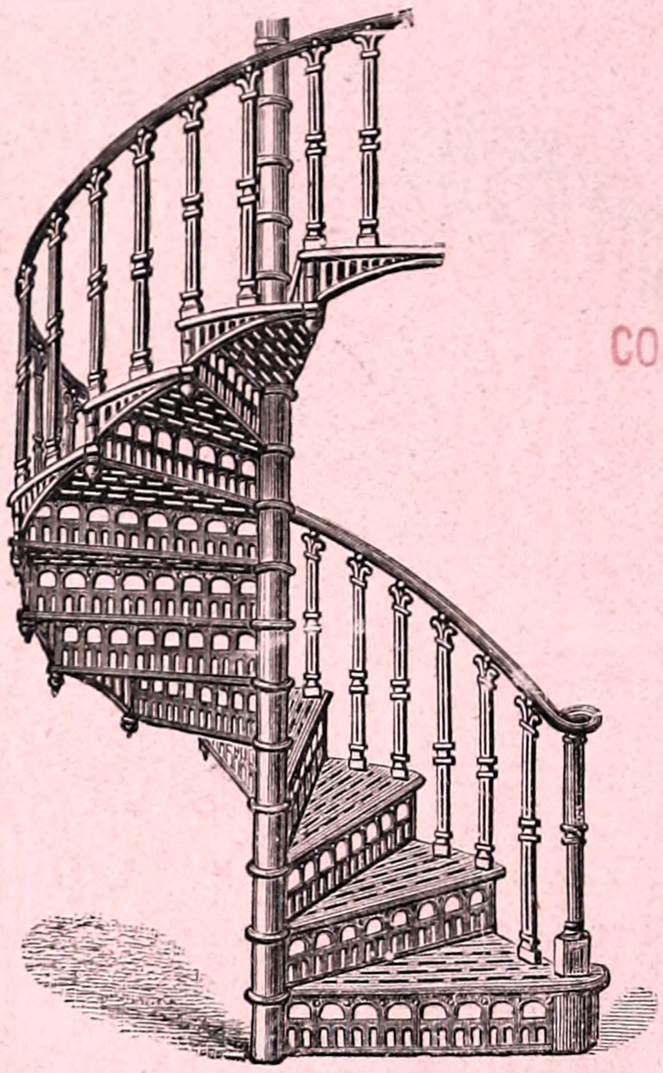
Made of the best corrugated silvered Glass, useful for directing the vertical rays in narrow streets or areas into the interior of rooms in cases where Prismatic Pavement Lights cannot be used.

Price per foot super, 5s. Fittings, each Reflector, 3s. 6d.

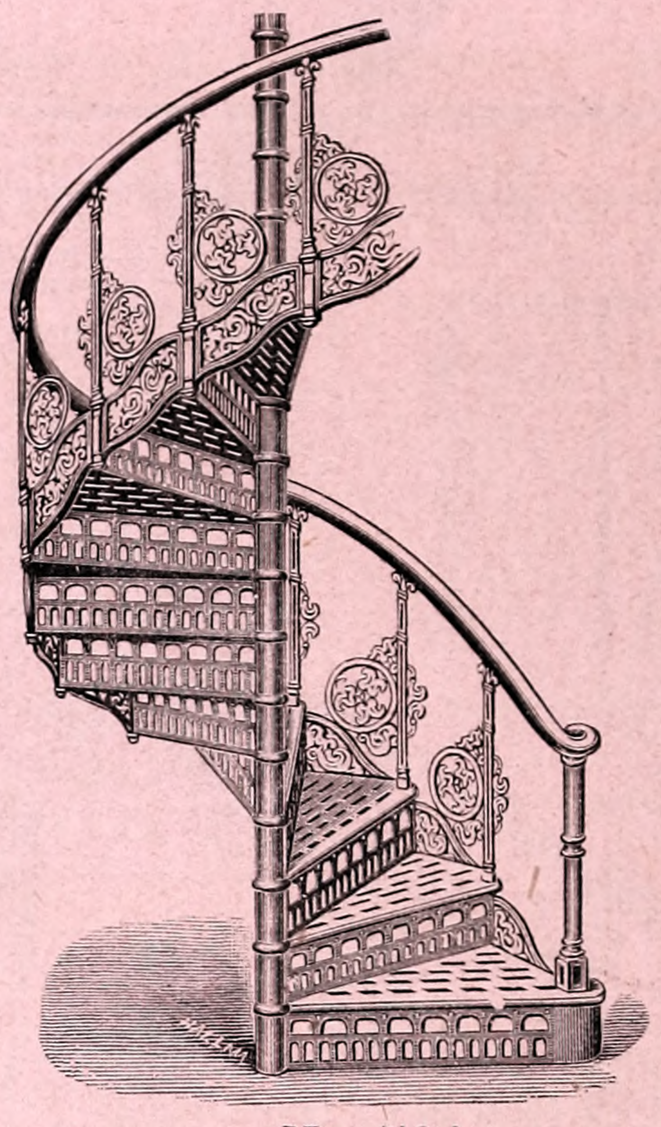


FLOOR LIGHTS IN GALLERIES OF NEW LECTURE HALL AT THE BRITISH MUSEUM.

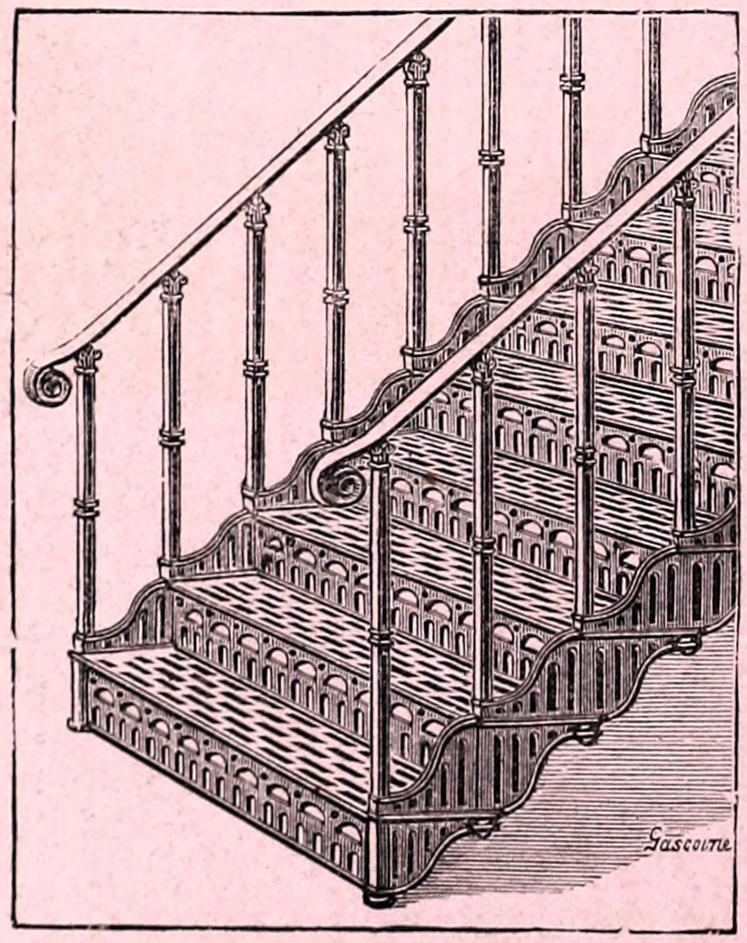
ST. PANCRAS IRON STAIRCASES.



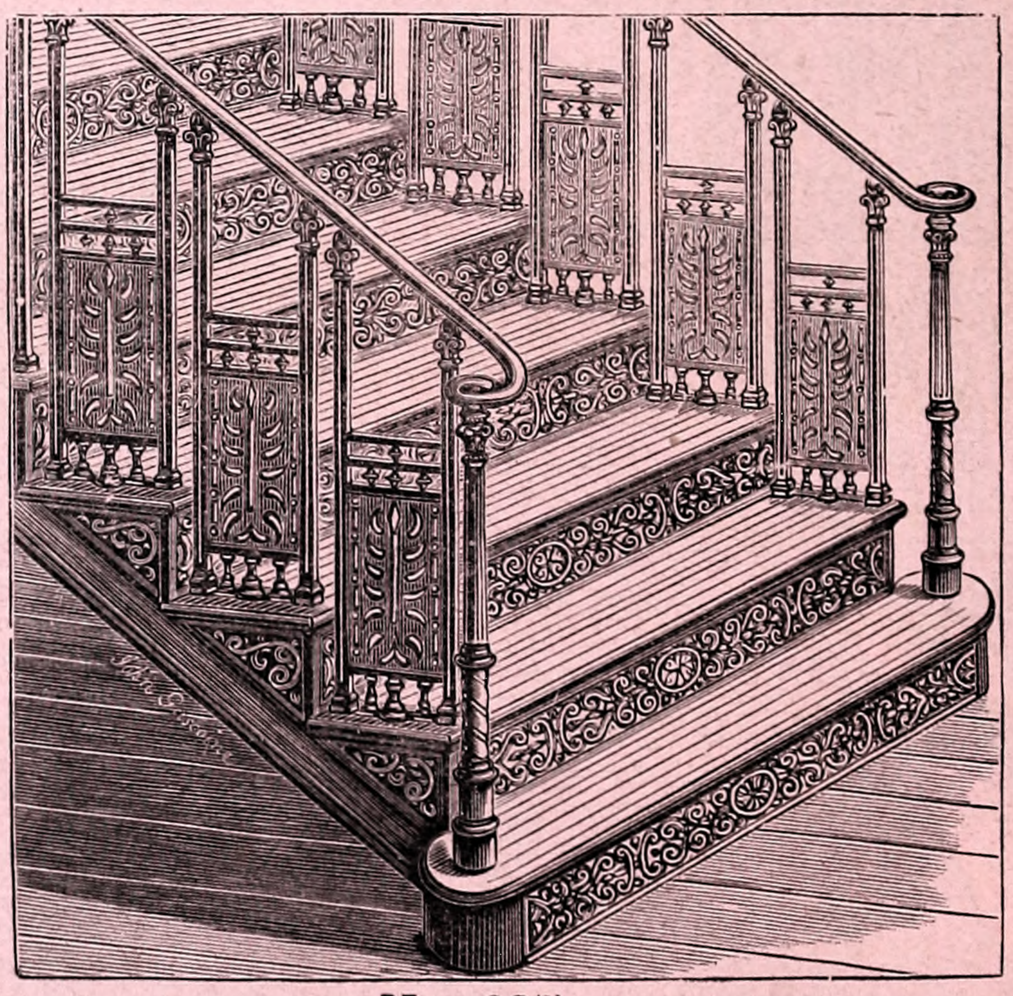
No. 616.



No. 704.



No. 641.

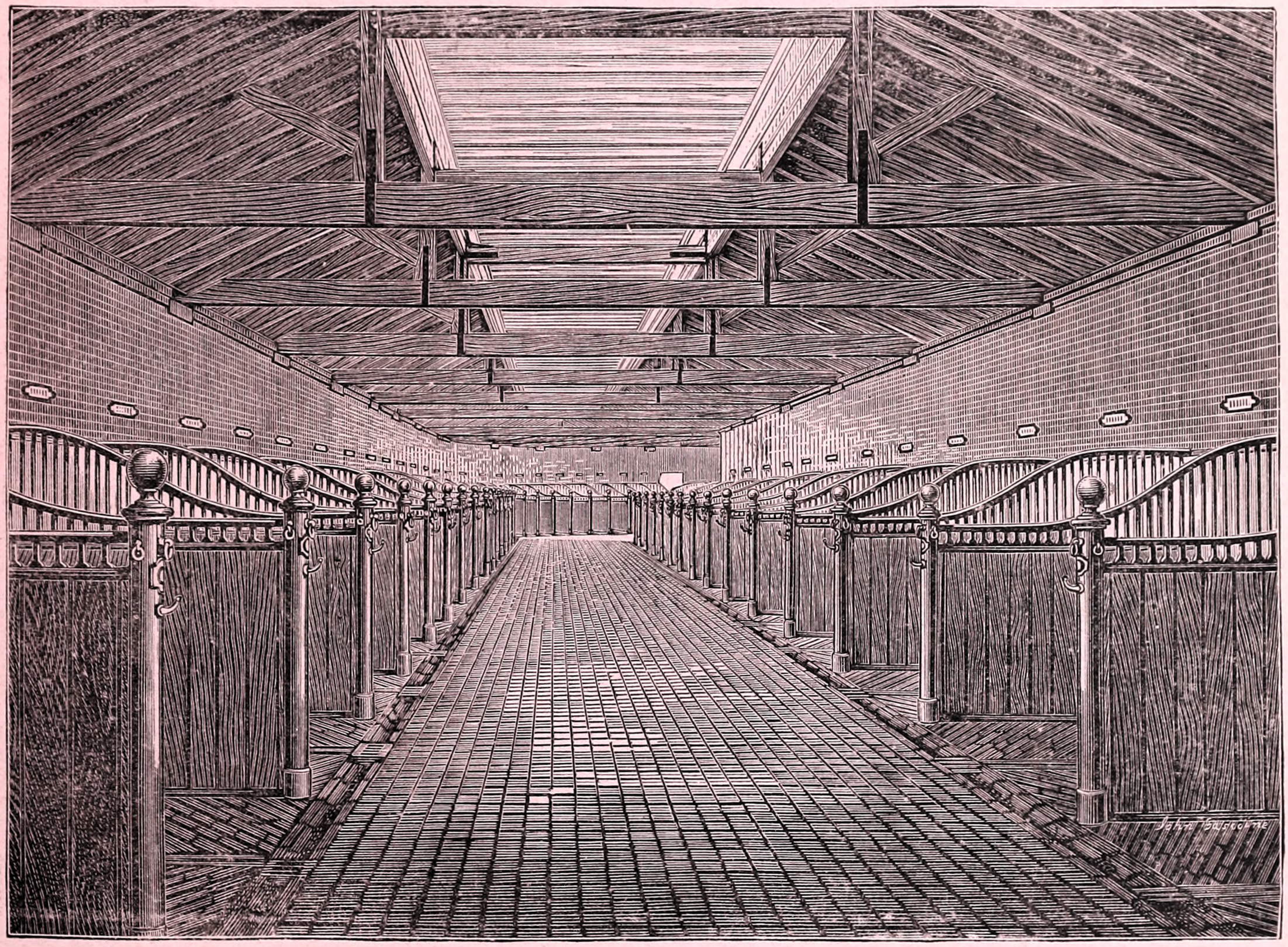


No. 637.

The St. Pancras Ironwork Company make a speciality of Straight and Spiral Staircases, and have supplied an immense number of all descriptions, from light small stairs for organ lofts to the most extensive, for public institutions, barracks, &c., for fire-escape and other purposes.

FULL ILLUSTRATED PRICED CATALOGUE SENT ON APPLICATION.

ST. PANCRAS PATENT STABLE FITTINGS.



This illustration shows part of the extensive Stabling at "Olympia," Kensington, erected by the St. Pancras Ironwork Company. The whole of the stalls for upwards of 200 horses are made so as to be taken down or re-erected in a few hours, and yet, when in use, they have all the appearance and stability of permanent fittings.

Members of the firm of the St. Pancras Ironwork Company were the original inventors of the modern improved Stable Fittings, and the quality of their work is still unsurpassed. They have had the honour of supplying H.M. The Queen, H.R.H. The Prince of Wales, and many members of the Royal Families of England and the Continent.

Illustrated Priced Catalogue of Stable Fittings, with all particulars, sent on application.

ST. PANCRAS ROUGH PLATE GLASS.

The best, nearly colourless, Rough Plate only is used by the St. Pancras Ironwork Company. The usual thickness is $\frac{3}{4}$ in., which is kept in Stock in large quantities, and may be had cut to any size at moderate prices. $\frac{5}{8}$-in. and $\frac{7}{8}$-in. thicknesses are also usually in Stock.

In the Chancery Division of the High Court of Justice.

1st July, 1891.

HAYWARD BROTHERS AND ECKSTEIN
v.
THE ST. PANCRAS IRONWORK COMPANY.

This was an action brought in the Chancery Division of the High Court of Justice for an injunction to restrain Infringement of Copyright in a Trade Catalogue issued by Messrs. Hayward Brothers and Eckstein, against the St. Pancras Ironwork Company.

The hearing of the case occupied four days, resulting in judgment for the Defendants, with costs. The following extracts from the Judgment refer to the principal points raised.

Judgment.

As regards the sketch on the outside of the Defendants' Catalogue,* I confess that I think now, as I thought when Mr. Garnham gave his evidence, that what he said put the Plaintiffs out of Court. He was the first expert witness, as well as the only expert called by the Plaintiffs.

My own eye tells me that there are great differences between the drawings, and the differences seem to me to be in points of substance.

On the whole, I think that the Defendants acted fairly in that matter, and endeavoured to make patterns which were their own; that they did exercise what I have already styled independent industry in the matter; and, to my mind, they have done so with considerable success. I think, when one comes to look into these things with the assistance of the evidence, it is not only possible, but easy, to see differences in every one of the patterns which are said to have been closely imitated.

The result is that, without going into the questions of law, I find on the question of fact in favour of the Defendants, and the usual result must follow.

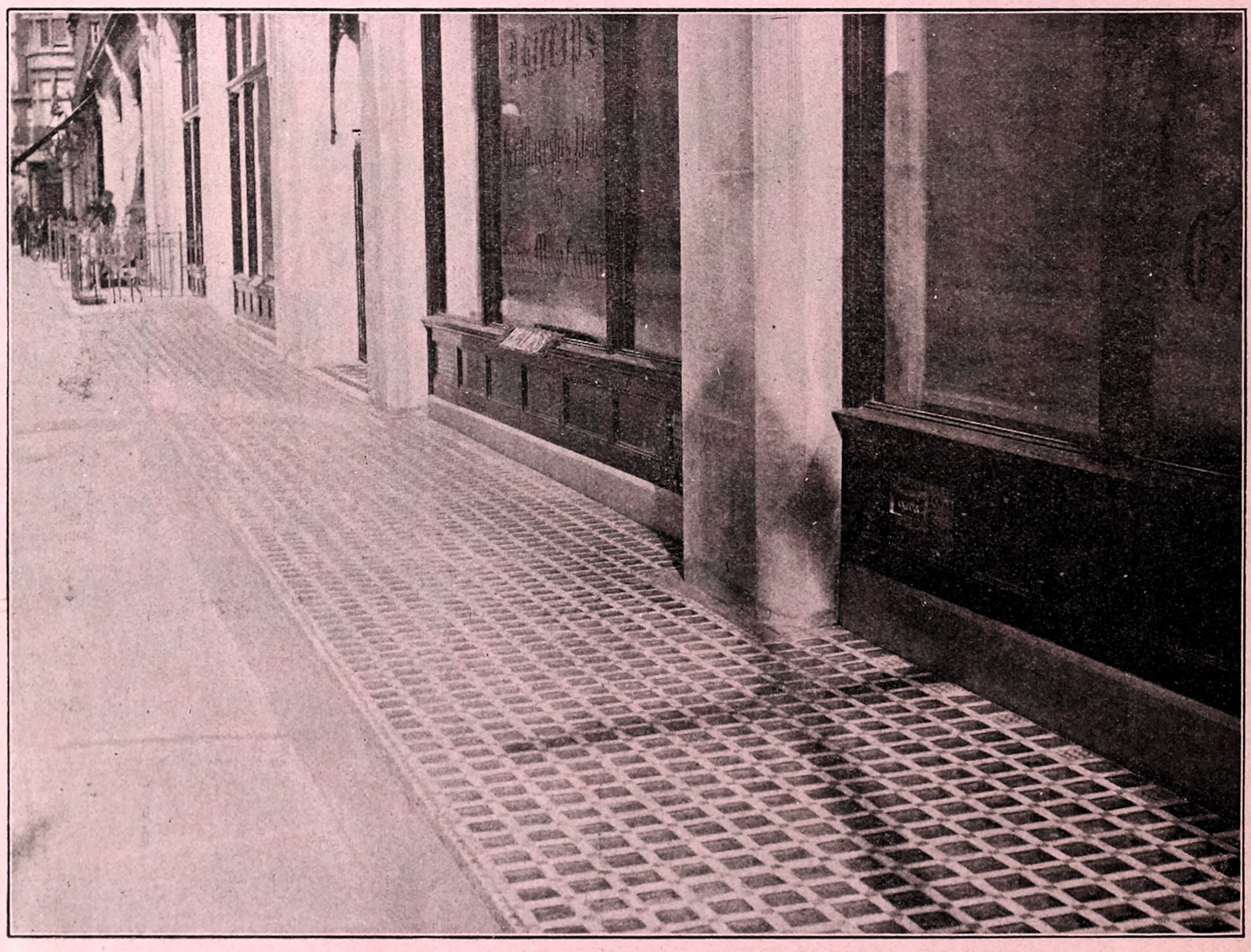
* Note.—The sketch referred to was similar to that on page 3 of the present edition.

ORNAMENTAL WROUGHT-IRON GATES, &c.,

Executed for the Midland Railway Company at St. Pancras; and part of Pavement Lights, &c., in public convenience.

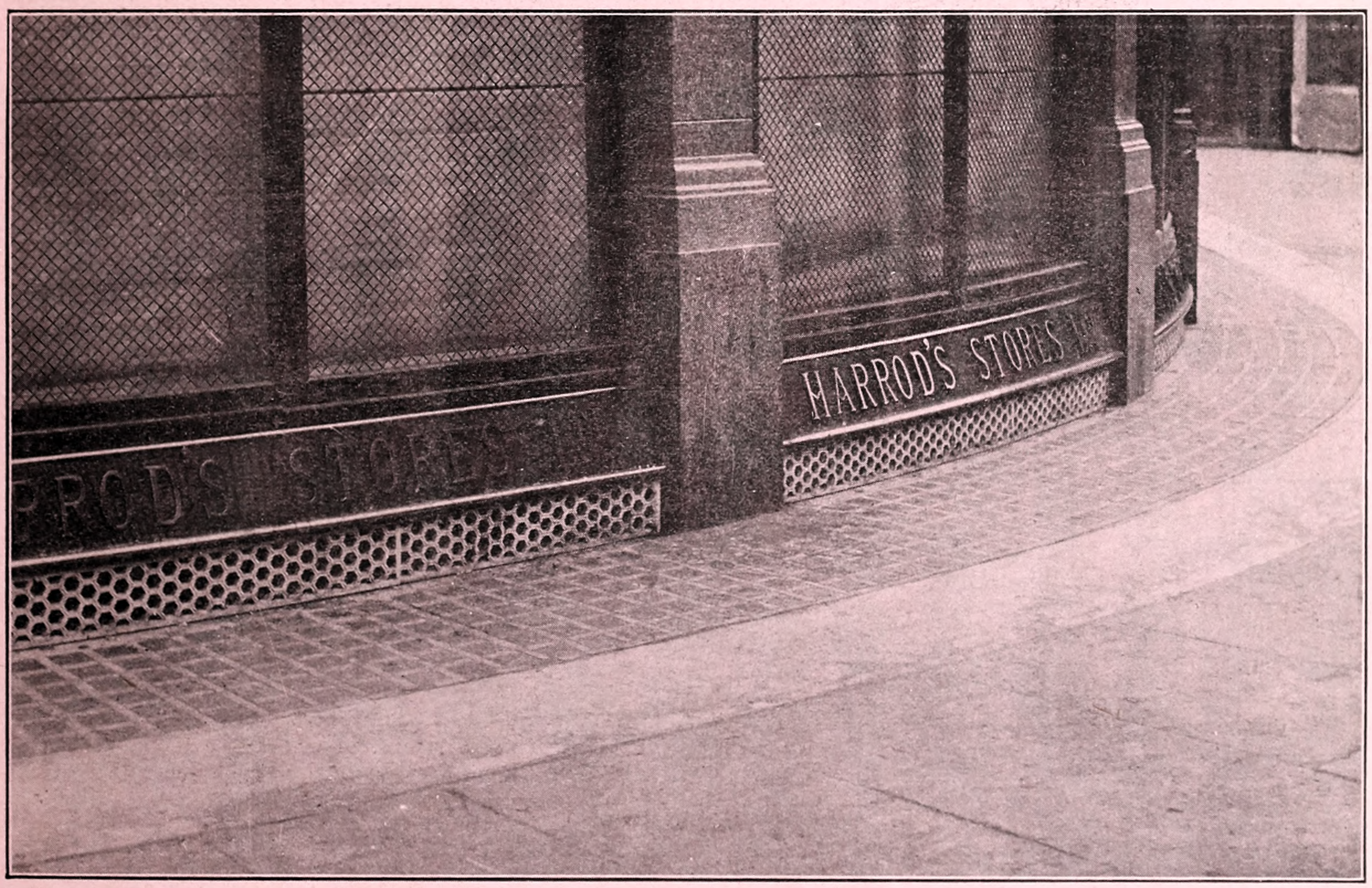
TILED LIGHTS, STAIRCASES, &c.,

In Mount Street, Mayfair.



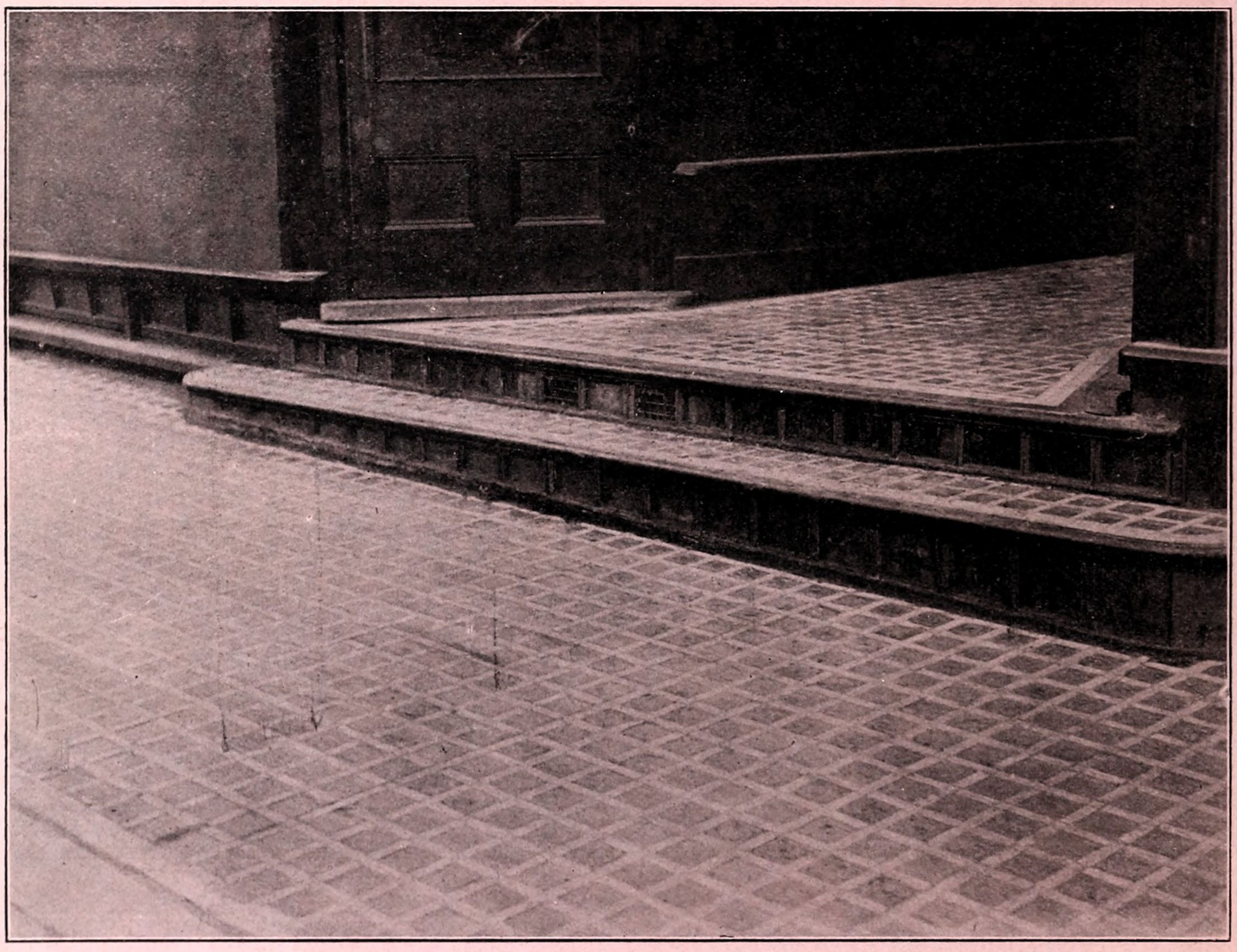
PART OF VERY EXTENSIVE TILED LIGHTS

Executed for Harrod's Stores.



PART OF TILED LIGHTS AND STEPS NEAR THE "ANGEL,"

Executed under Mr. Leonard V. Hunt, A.R.I.B.A.



STALL-BOARD AND PAVEMENT LIGHTS

Executed for Messrs. G. B. Kent & Co., under Mr. Campbell Jones, A.R.I.B.A.

"75, Farringdon Road, London.

"Dear Sirs,

"In reference to the Pavement Lights supplied to light our underground basement at this address, we beg to say that we are so well satisfied with them that we are able to carry on clerical work there as well as packing and forwarding, and we shall be pleased to show any one the results you have attained.

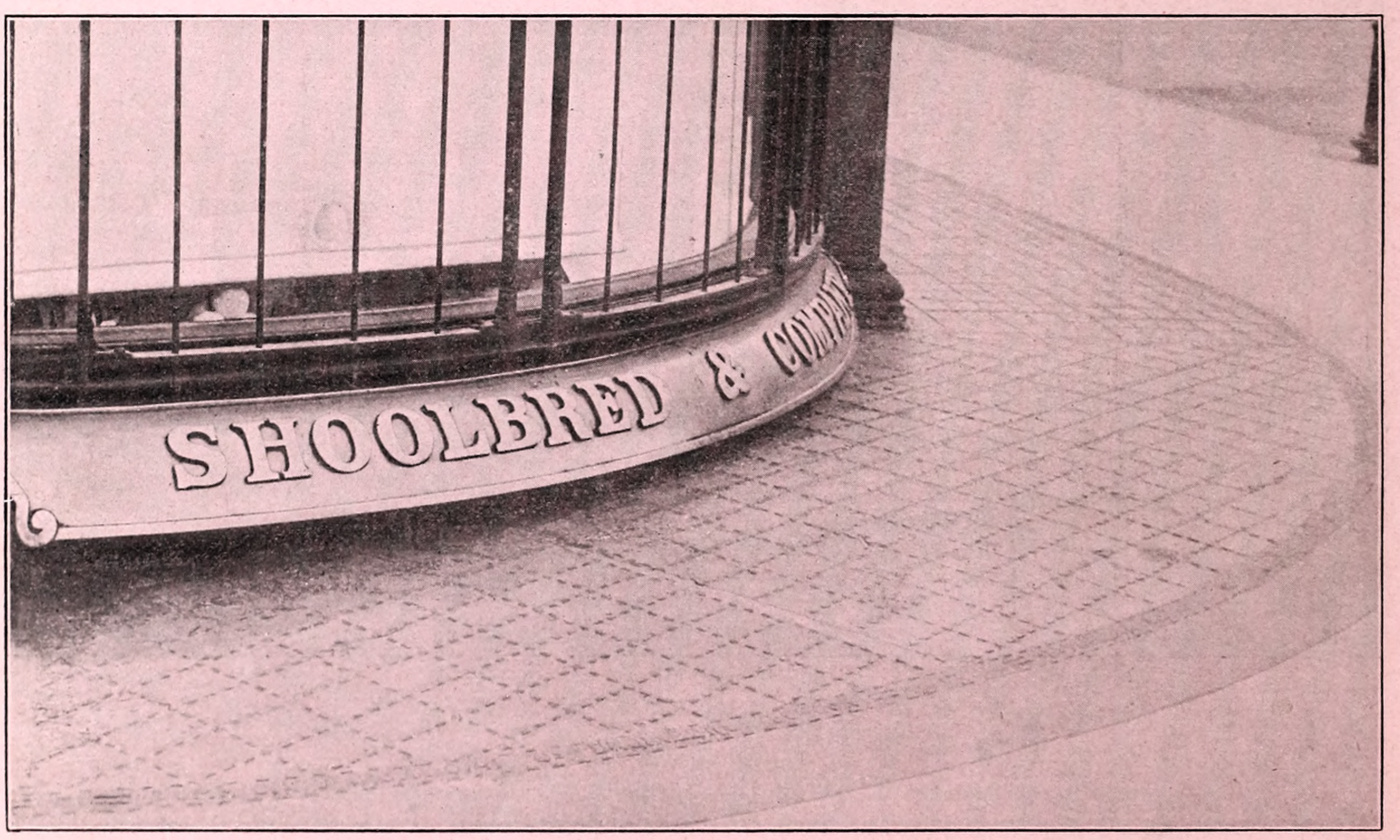
"We are, &c.,

"G. B. KENT & Co."

PAVEMENT LIGHTS,

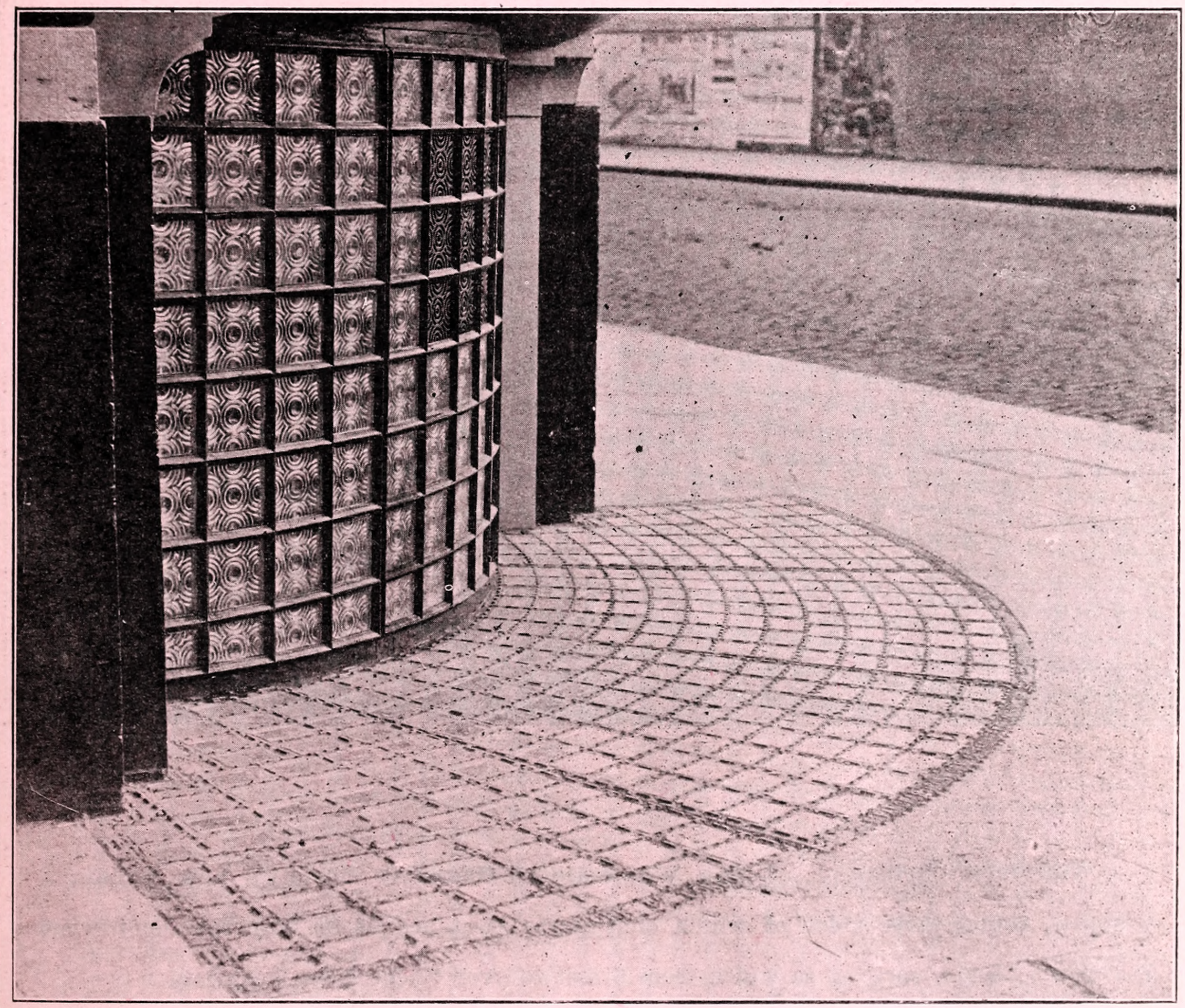
Made Circular on Plan, with the Glazing Bars made square.

Part of work executed for Messrs. Shoolbred & Co., under Messrs. Hovenden and Barber, Architects.

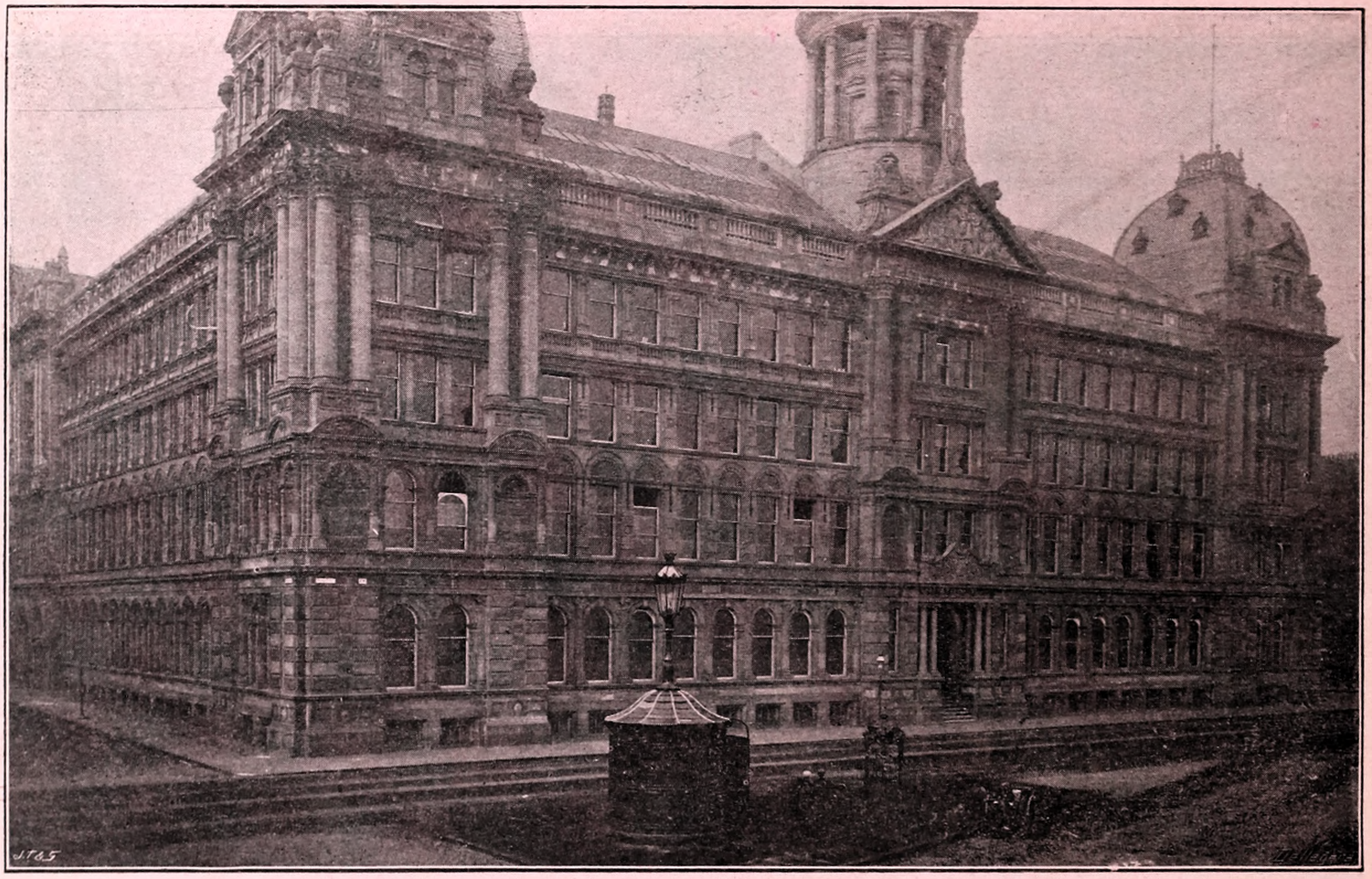


STALL-BOARD AND PAVEMENT LIGHTS,

Made Circular on Plan, the Glazing Bars of the latter being made radial.



SEMI-PRISM PAVEMENT LIGHTS.



This is a photograph of The Wholesale Co-Operative Society's new buildings, Glasgow, round three sides of which continuous stretches of St. Pancras Semi-Prism Pavement Lights, varying in width from 5 feet to over 7 feet, have been laid.

A FEW TESTIMONIALS.

WIMBLEDON, S.W.,
May 22nd, 1897.

DEAR SIRS,—I have very great pleasure indeed in testifying to the efficacy and workmanship of the Tiled Pavement Lights supplied to No. 30, High Street, Wimbledon. The basement is thoroughly lighted by them without the aid of stall-board lights. It is gratifying also to note that your prices also are satisfactory in competition with other firms.

I am, dear Sirs, yours faithfully,
R. ALLSEBROOKE HINDS,
THE ST. PANCRAS IRONWORK CO. *Architect.*

34, QUEEN STREET, LONDON, E.C.,
4th June, 1897.

DEAR SIRS,—You have supplied me with a large quantity of your Tiled Pavement Lights, and I have always found them to give every satisfaction, both as regards appearance and reflecting power, &c.

Yours faithfully,
LEONARD V. HUNT,
THE ST. PANCRAS IRONWORK CO. A.R.I.B.A.

2, OLD BOND STREET, W.,
28th May, 1896.

The Patent Cellar Flaps recently supplied for my business premises here give me much satisfaction, and the patent spring action is a great improvement on the old system.

Yours faithfully,
W. G. WELLER.
THE ST. PANCRAS IRONWORK CO.

SCHOOL BOARD OF HARROGATE,
CLERK OF WORKS OFFICE,
9th July, 1896.

DEAR SIRS,—I may say you have supplied the lights for Western Schools, Board of Harrogate, through our contractor, Mr. Dawson, of Harrogate, and they meet my requirements well.

Yours faithfully,
EDMUND F. PRENTICE.
THE ST. PANCRAS IRONWORK CO.

18, CAMOMILE STREET, LONDON, E.C.,
10th January, 1896.

GENTLEMEN,—The Cellar Flaps and Stall-board which you have just fitted for us give great satisfaction.

We are, your obedient Servants,
T. P. LLOYD & Co.
THE ST. PANCRAS IRONWORK CO.

BOROUGH OF BOURNEMOUTH,
ENGINEER'S AND SURVEYOR'S DEPARTMENT.

DEAR SIRS,—I have much pleasure in saying that the Pavement Lights supplied to me for the underground urinals in Bournemouth have given every satisfaction.

Yours faithfully,
F. W. LACEY,
THE ST. PANCRAS IRONWORK CO. *Boro' Surveyor.*

CHURCH OF ENGLAND Y.M.C. ASSOCIATION,
3, BRIDE STREET, E.C.

DEAR SIRS,—I have much pleasure in saying that the Pavement Lights to the above have given every satisfaction.

Yours truly,
ALAN PAULL,
THE ST. PANCRAS IRONWORK CO. *Surveyor.*

6, SOUTHAMPTON STREET,
BLOOMSBURY SQUARE, LONDON, W.C.

DEAR SIRS,—It gives me pleasure to state that the work you executed under me for Messrs. Debenham and Freebody, of Wigmore Street, comprising Pavement Lights, Self-acting Cellar Flaps, &c., has been carried out to my entire satisfaction, and in any work of a similar nature I shall therefore have no hesitation in recommending your firm.

Yours faithfully,
THOMAS HARRIS,
THE ST. PANCRAS IRONWORK CO. F.R.I.B.A.

19, BUCKINGHAM STREET, ADELPHI, W.C.,
19th May, 1894.

ALDERSGATE STREET, 69 & 72.

GENTLEMEN,—We are satisfied with the Pavement Lights, Cellar Flaps, and Stall-board Lights you supplied for these works, and believe they will be found to wear well when the premises become occupied.

We are, Gentlemen, yours faithfully,
ROMAINE-WALKER & TANNER.
THE ST. PANCRAS IRONWORK CO.

LEINSTER BUILDING WORKS, DUBLIN.

DEAR SIRS,—They give every satisfaction.

Yours truly,
per H. & J. MARTIN, LD.,
THE ST. PANCRAS IRONWORK CO. R. W. M'LEAN.

LOWESTOFT, *12th April*, 1894.

DEAR SIRS,—The Cellar Flaps you supplied me with some time since are very satisfactory.

Yours faithfully,
THE ST. PANCRAS IRONWORK CO. W. J. ROBERTS.

102, RYLAND STREET, BIRMINGHAM,
13th April, 1894.

DEAR SIRS,—The Pavement Lights you supplied us with gave every satisfaction. Yours respectfully,
T. BARNSLEY & SONS.
THE ST. PANCRAS IRONWORK CO.

SOHO SQUARE, LONDON, W.,
12th April, 1894.

GENTLEMEN,—We have much pleasure in saying that the Pavement Lights supplied in 1892 have been very satisfactory.

We are, yours truly,
CROSSE & BLACKWELL, LD.
THE ST. PANCRAS IRONWORK CO.

5, TUDOR PLACE, TOTTENHAM COURT ROAD,
14th April, 1894.

GENTLEMEN,—The Lights provided by you at the Regent Street Polytechnic are quite satisfactory, and shall feel pleased to recollect your firm in any future orders.

Yours faithfully,
THOS. E. MITCHELL.
THE ST. PANCRAS IRONWORK CO.

34, CANONBURY ROAD, N.

GENTLEMEN,—The Prismatic Lights you recently supplied give complete satisfaction. We can highly recommend your Basement Lights. Yours faithfully,
McCORMICK & SONS.
THE ST. PANCRAS IRONWORK CO.

25, COOKRIDGE STREET, LEEDS.

DEAR SIRS,—The Reflecting Pavement Lights which you supplied to the new buildings of the Leeds General Infirmary are very satisfactory, and answer their purpose well.

Yours truly,
GEORGE CORSON,
THE ST. PANCRAS IRONWORK CO. *Architect.*

83 & 85, DYNEVOR ROAD,
STOKE NEWINGTON, LONDON,
11th April, 1894.

DEAR SIRS,—The glazed Cellar Flaps you supplied me have given great satisfaction. They are still working satisfactorily, although some have been fixed nearly three years. I shall certainly recommend them, because I consider them the best in the market. (They are still in good order, July, 1897.)

Yours truly,
THE ST. PANCRAS IRONWORK CO. S. GOODALL.

TESTIMONIALS—*continued.*

LOUGHBOROUGH PARK WORKS,
BRIXTON, LONDON, S.W.,
11*th April*, 1894.

WESTMINSTER ELECTRIC SUPPLY ASSOCIATION.

DEAR SIRS,—The Pavement Lights you supplied for these works have given satisfaction, and we shall be pleased to give you an opportunity for any further work of a similar kind we may require.

Yours truly,
HOLLIDAY & GREENWOOD,
THE ST. PANCRAS IRONWORK CO. Per H. R.

VICTORIA WORKS, QUEEN'S ROAD,
BATTERSEA PARK, S.W.,
12*th April*, 1894.

Re **BELL'S ASBESTOS CO.**

The Lights supplied for above were satisfactory, and we believe both the architect and the proprietors were pleased with the work.

HOLLOWAY BROS.
THE ST. PANCRAS IRONWORK CO.

"THE DAILY ARGUS,"
CORPORATION STREET, BIRMINGHAM.

I have pleasure in stating that the Pavement and Stall-board Lights supplied by you for our basement give every satisfaction. There can be no doubt whatever that they are a great improvement upon the old fashioned lights with plain glass.

Yours truly,
W. BAKER, *Manager*.
THE ST. PANCRAS IRONWORK CO.

14, COOK STREET, LIVERPOOL,
13*th October*, 1893.

DEAR SIRS,—I am pleased to inform you that the Pavement Lights with the stained glass underneath, which you supplied and fixed about two years ago at the North Western Bank, Bold Street, Liverpool, and covering an area of 20 ft. by 20 ft., have been a great success. They admit a soft but strong light to the ground floor premises, on the first floor they form a yard to the keeper's dwelling house. I have not had the slightest complaint from water getting through them, or from condensation causing a drip on the underside, although they have been exposed to very severe frost on the outside and a very warm atmosphere from the heating apparatus underneath, and during the late hot summer to a severe test from expansion by heat.

Yours very truly,
(Signed) G. BRADBURY, *Architect*.
THE ST. PANCRAS IRONWORK CO.

212, ST. VINCENT STREET, GLASGOW,
21*st October*, 1893.

GENTLEMEN,—The Pavement Lights supplied by your firm for extensive tenements and bakery in Greenock give entire satisfaction in the lighting of the various places they are placed over. Although overshadowed by the surrounding buildings, the range of these lights over bakery (fully 260 square feet) reflect quite a flood of light, and that too in spite of an accumulation of dust from building operations. When clean on surface, as I have seen them, I have no hesitation in saying that the men working in the bakery under these have fully as good light as that from three large windows at further end, which are unobstructed. Those lights over loading court give equal satisfaction. The Spiral Stair, though light and graceful in appearance, unites strength and stability, and with the other castings—Pavement and Stall-board Lights, Hoist Flap, Roadway Light, &c. (all supplied by your firm)—will, in my opinion, compare favourably, as regards utility and cost, with any in the market.

I am, Gentlemen,
Yours faithfully,
W. BURNS STEWART.
THE ST. PANCRAS IRONWORK CO.

73, BATH ROW, BIRMINGHAM,
14*th April*, 1894.

The Pavement and Stall-board Lights supplied by you some time ago are quite satisfactory.

Yours truly,
W. ROBINSON.
THE ST. PANCRAS IRONWORK CO.

75, FARRINGDON ROAD, E.C.,
14*th June*, 1897.

DEAR SIRS,—In reference to the Pavement Lights supplied to light our underground basement at above address, we beg to say that we are so well satisfied with them that we are able to carry on clerical work there as well as packing and forwarding, and we shall be pleased to show any one the results you have attained.

We are, dear Sirs,
Yours faithfully,
G. B. KENT & SONS.
THE ST. PANCRAS IRONWORK CO.

HOLLOWAY ROAD, LONDON, N.,
15*th June*, 1897.

DEAR SIRS,—We have great pleasure in saying that the Pavement Lights you put down on our premises in 1892 have given us every satisfaction. They are far superior in our judgment to any others we have seen.

Yours faithfully,
JONES BROS.
THE ST. PANCRAS IRONWORK CO.

31, 33, 35, 37, 39, 41 and 43, OSBORNE STREET, HULL,
24*th June*, 1897.

DEAR SIRS,—We have pleasure in stating that the Floor Lights you recently supplied to us have given every satisfaction, and we are pleased with the manner in which the work has been carried out.

We are, yours truly,
H. W. HAMMOND & CO.
THE ST. PANCRAS IRONWORK CO., LTD.

15, TREDEGAR SQUARE, MILE END, E.,
10*th May*, 1897.

DEAR SIRS,—I have got the Lights fixed, and they have transformed the aspect of the Vestry from a dark cellar into a comfortable room.

(REV.) WM. DANIEL.

CROWN CHAMBERS, SALISBURY,
16*th July*, 1897.

DEAR SIRS,—The Special Pavement Lights recently supplied by you for one of my works were quite satisfactory.

Yours faithfully,
FRED. BATH,
THE ST. PANCRAS IRONWORK CO., LTD. F.R.I.B.A.

41, BEDFORD ROW, W.C.,
23*rd July*, 1897.

DEAR SIRS,—I am pleased to say that the Pavement and Stall-board Lights fixed by you at Nos. 141 and 142, New Bond Street and elsewhere are in every way satisfactory, and have materially increased the value of the property.

Yours faithfully,
FREDK. W. FOSTER.
THE ST. PANCRAS IRONWORK CO.

BURGH SURVEYOR'S OFFICE,
TOWN HOUSE, ABERDEEN,
23*rd July*, 1897.

I have pleasure in stating that Pavement Lights supplied by the St. Pancras Ironwork Co. have been used in connection with new public conveniences and other works carried out by the Town Council of Aberdeen, and that I have always found them very satisfactory.

W. DYACK, *Burgh Surveyor*.
THE ST. PANCRAS IRONWORK CO.

The following are a few out of the many thousands of Pavement Light Jobs executed recently by the ST. PANCRAS IRONWORK COMPANY:—

PUBLIC UNDERGROUND CONVENIENCES.

Aberdeen.
Above Bar, Southampton.
Anderston Cross, Glasgow.
Bournemouth.
Blackpool.
Bridgeton Cross, Glasgow.
Botanic Gardens, Glasgow.
Dublin.
Great Marlborough Street, London.
Harrogate.
Ipswich.
Islington Green, London.
King's Cross, London.
Ramsgate.
Oxford.
Southampton.
St. Enoch's Square, Glasgow.
Upper Holloway, London.
York.

CORPORATIONS, VESTRIES, AND LOCAL BOARDS.

City of London.
Liverpool.
Birmingham.
Dublin.
Glasgow.
Sheffield.
Bath.
Derby.
Nottingham.
Dover.
Newcastle.
Leicester.
Brighton.
Harrogate.
Blackpool.
Folkestone.
Bournemouth.
Hastings.
Taunton.
Aberdeen.
Richmond.
Yarmouth.
Ipswich.
Wigan.
Sunderland.
Ramsgate.
Leek.
Ashton Manor.
Everton.
St. Andrews.
Wandsworth.
Bow.
Chelsea.
St. Martin-in-the-Fields.
Bermondsey.
Islington.
St. Pancras.
Marylebone.

RAILWAYS.

Glasgow & South Western, St. Enoch's Station, Kilmarnock.
Great Northern Railway, Piccadilly, Doncaster, Bradford, &c.
North Eastern Railway, Newcastle, York, &c.
London and North Western Railway, Euston, Liverpool, &c.
Central Railway Stations, Glasgow.
Bridgnorth Castle Railway Company.

GENERAL.

H.R.H. The Prince of Wales, and many of the Nobility and Gentry.
H.M. Office of Works.
British Museum.
Post Office, St. Martin's-le-Grand, and many others.
Greenwich Observatory.
School Board for London, and many others.
Royal Agricultural Hall.
Blackpool Tower.
Polytechnic.
Technical Schools, Halifax, Rochdale, and elsewhere.
School of Art, Folkestone.
Leeds Infirmary.
Armagh Asylum.
Lancaster County Asylum.
St. Mark's Hospital.
Ear and Throat Hospital, Birmingham.
Birmingham Arcade.
Harrogate Arcade.
Bournemouth Arcade.
Boscombe Arcade.
Hotel Cecil.
Bath Pump Room.
Trinity College, Cambridge.
University College, London.
Duke of Westminster's Estate.
Prudential Assurance (several).
Banks (numerous).
Newspapers (numerous).
Shoolbred's.
Maple's.
Crosse & Blackwell's.
Kelly, Limited.
Rabbits, Limited.
Harrod's Stores.
Truscott & Son's.
Waterlow's.
Debenham & Freebody.
Peter Jones.
Jones Bros.
Morley's.
Bell's Asbestos.
Brinsmead's.
De la Rue.
Slater's Restaurants (seven).

The St. Pancras Ironwork Co., Ld., St. Pancras Road, London, N.W.

A house porch

An Iron Bridge

A Spiral Stair

An Iron Roof

From Verandah

An Iron Oriel

Iron Frame Conservatory

Wrought Iron Grille

Manufactures of The Saint Pancras Ironwork Co St Pancras Rd London

JAS TRUSCOTT & SON, SUFFOLK LANE, LONDON, E.C.