

ESTABLISHED 1885

RICHARDS & KELLY MFG. CO.

309-311 West 23d Street, CHICAGO



CATALOG No. 12

SIDEWALK LIGHTS
FLOOR LIGHTS, SKY LIGHTS
COAL-HOLE COVERS AND
SIDEWALK DOORS

**To avoid delay when sending orders or inquiries, give catalog and page numbers.
DESTROY FORMER CATALOGS**

RICHARDS & KELLY MFG. CO.

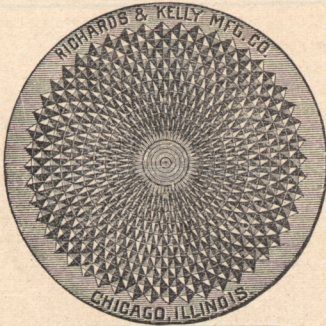


Catalogue Number Twelve

Sidewalk Lights, Floor
Lights, Sky Lights
Coal Hole Covers
Thimbles, Grates
Rings, Sidewalk Doors

309-311 West Twenty-third Street
CHICAGO, ILLINOIS

CAST IRON COAL-HOLE COVERS.



Cut of 20 inch Cover.

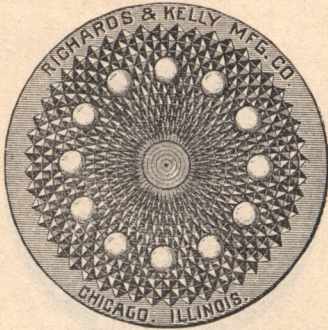
PRICE LIST.

16 inch diameter	-	-	-	-	-	-	\$2 00
18 " "	-	-	-	-	-	-	2 50
20 " "	-	-	-	-	-	-	3 00
24 " "	-	-	-	-	-	-	4 50
Fastening bar and thumb screw,	-	-	-	-	-	-	50

Kept in Stock.

For Rings for above covers, see page 10
 For Thimbles for above covers, see page 11

IRON COAL-HOLE LIGHTS.



Cut of 20 inch Light.

PRICE LIST.

16 inch diameter, 6 glasses,	-	-	-	-	\$2 50
18 " " 9 "	-	-	-	-	3 00
20 " " 12 "	-	-	-	-	3 50
24 " " 12 "	-	-	-	-	5 00
Fastening Bar and Thumb Screw,	-	-	-	-	50

Kept in Stock.

For Rings for above covers, see page 10
 For Thimbles for above covers, see page 11

CONCRETE COAL-HOLE LIGHTS.



Cut of 20 inch Light.

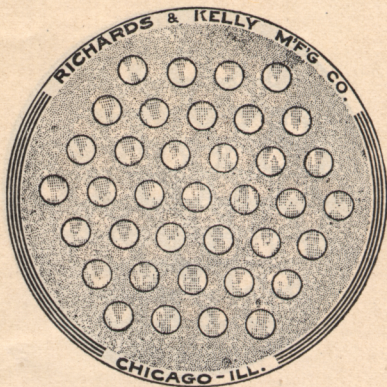
PRICE LIST.

18 inch diameter, 7 glasses,	-	-	-	-	\$3 50
20 " " 13 "	-	-	-	-	4 00
24 " " 13 "	-	-	-	-	5 50
Fastening Bar and Thumb Screw,	-	-	-	-	50

Kept in Stock.

For Rings for above covers, see page 12
 For Thimbles for above covers, see page 13.

CONCRETE VAULT LIGHTS.



Cut of 24 inch Light.

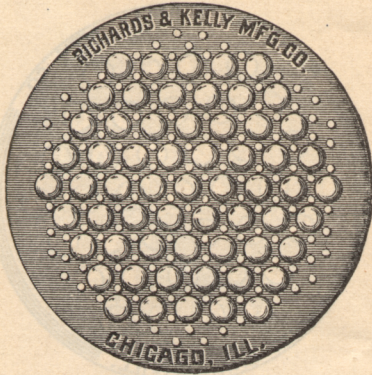
PRICE LIST.

16 inch diameter,	19 glasses	-	-	-	-	\$4 00
18 " "	19 "	-	-	-	-	5 50
20 " "	31 "	-	-	-	-	7 00
24 " "	37 "	-	-	-	-	8 50

Kept in Stock.

For Rings for above Vault Lights, see page 12
 For Thimbles for above Vault Lights, see page 13.

IRON VAULT LIGHTS.



Cut of 23 inch Light.

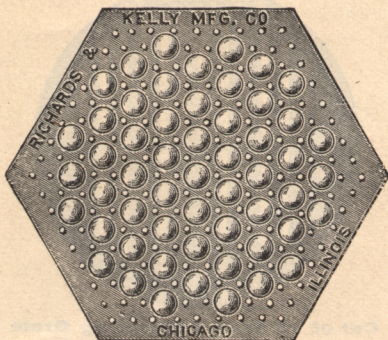
PRICE LIST.

16 inch diameter, round,	30 glasses	- - -	\$3 50
18 " " "	36 " "	- - -	5 00
21 " " "	54 " "	- - -	6 50
23 " " "	60 " "	- - -	8 00

Kept in Stock.

For Rings for above Vault Lights, see page 12
 For Thimbles for above Vault Lights, see page 13.

IRON VAULT LIGHTS.



Cut of 21 inch Light.

PRICE LIST.

18 inch Hexagon,	43 glasses	-	-	-	-	\$ 5 00
21 " "	55 "	-	-	-	-	8 00
25 " "	91 "	-	-	-	-	11 00
29 " "	133 "	-	-	-	-	15 00

Kept in Stock.

Thimbles or Rings for Hexagon Vault Lights made to order.

VENTILATING GRATE



Cut of 20 Inch Ventilating Grate

PRICE LIST

16 inch diameter,	- . - . - . - .	\$2 00
18 " "	2 50
20 " "	3 00
24 " "	4 50
Fastening bar and thumb screw,	- . -	50

Kept in Stock

For Rings for above Grates, see page 10

For Thimbles for above Grates, see page 11

CONCRETE VENTILATING COAL- HOLE COVERS



Cut of 24 inch Concrete Ventilator

PRICE LIST

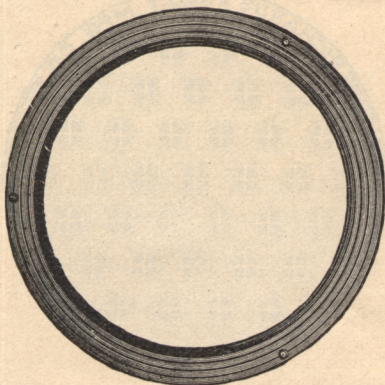
16 inch diameter,	19 ventilators,	-	-	-	\$4 00
18 "	" 19 "	-	-	-	5 50
20 "	" 31 "	-	-	-	7 00
24 "	" 37 "	-	-	-	8 50

Kept in Stock

For Rings for above Ventilators, see page 12

For Thimbles for above Ventilators, see page 13

RINGS FOR IRON COAL-HOLE COVERS AND LIGHTS.



PRICE LIST.

Rings for 16 inch Coal Hole-Cover,	-	-	\$1 50
“ 18 “ “	-	-	1 75
“ 20 “ “	-	-	2 00
“ 24 “ “	-	-	2 50

Kept in Stock.

These Rings fit covers on pages 2 and 3.

THIMBLES FOR IRON COAL-HOLE COVERS AND LIGHTS.



PRICE LIST.

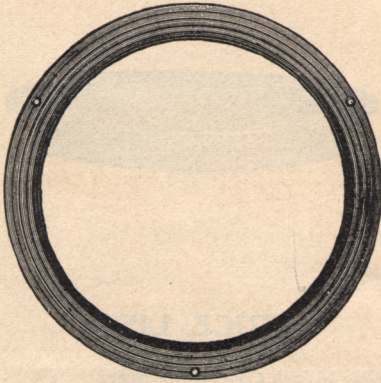
Thimbles for 16 inch Coal-Hole Cover,	-	-	\$2 25
“ 18 “ “	-	-	2 50
“ 20 “ “	-	-	2 75
“ 24 “ “	-	-	4 50

Kept in Stock.

Above Thimbles are 4 inches deep.
 These Thimbles fit covers on pages 2 and 3.
 Deeper Thimbles made to order on short notice.
 Price according to size and depth.

RINGS.

For Iron Vault Lights, Concrete Coal-Hole Lights
and Concrete Vault Lights.



PRICE LIST.

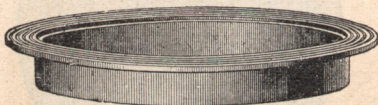
Ring for 16 inch Round Vault Light	-	-	\$1 75
“ 18 “ “ “ “	-	-	2 00
“ 20 “ “ “ “	-	-	2 25
“ 21 “ “ “ “	-	-	2 50
“ 23 “ “ “ “	-	-	3 00
“ 24 “ “ “ “	-	-	3 50

Kept in Stock.

These Rings fit covers on pages 4, 5 and 6.

THIMBLES.

For Iron Vault Lights, Concrete Coal-Hole Lights
and Concrete Vault Lights.



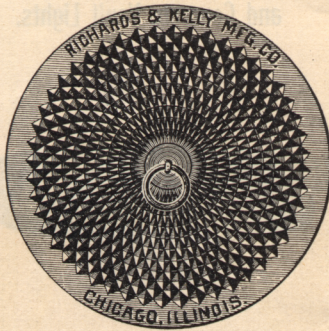
PRICE LIST.

Thimble for 16 inch Round Vault Light	-	-	\$2 50
“ “ 18 “ “ “ “	-	-	3 00
“ “ 20 “ “ “ “	-	-	3 50
“ “ 21 “ “ “ “	-	-	4 00
“ “ 23 “ “ “ “	-	-	4 50
“ “ 24 “ “ “ “	-	-	5 00

Kept in Stock.

Above Thimbles are 4 inches deep.
These Thimbles fit covers on pages 4, 5 and 6.
Deeper Thimbles made to order on short notice.
Price according to size and depth.

CISTERN TOPS AND THIMBLES.



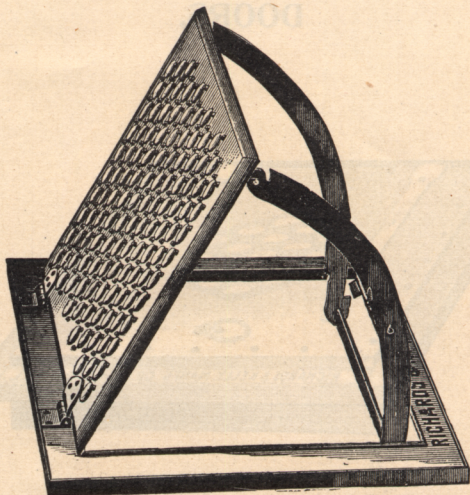
PRICE LIST.

16 inch	Cover and	Thimble	-	-	-	-	\$4 50
18 inch	"	"	-	-	-	-	5 25
20 inch	"	"	-	-	-	-	6 00
24 inch	"	"	-	-	-	-	9 00

Kept in Stock.

Thimbles are 4 inches deep.

VENTILATING DOORS.



Cut showing construction of Ventilating Door

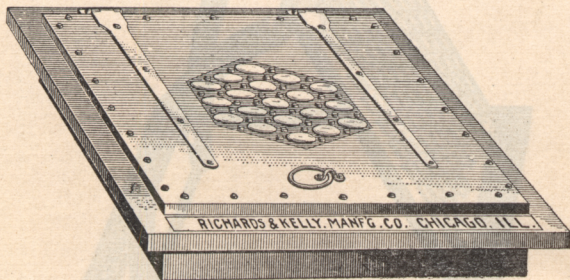
PRICE LIST.

Small Ventilating Door, 22 inches square, 16 inch square opening, 37 glasses	- - -	\$12 00
Medium Ventilating Door, 26 inches square, 20 inch square opening, 63 glasses	- - -	16 00
Large Ventilating Door, 30 inches square, 24 inch square opening, 103 glasses	- - -	20 00

Kept in Stock.

These doors are self-locking and water tight when closed, and protect the hole when open.

STEEL VAULT LIGHT COAL-HOLE DOORS.



PRICE LIST.

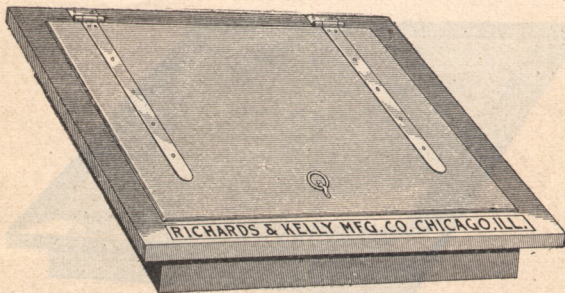
Small Door, 26 inches square, 20 inch square opening, 19 glasses	- - - -	\$18 00
Large Door, 30 inches square, 24 inch square opening, 19 glasses	- - . -	24 00

Kept in Stock.

These doors are made strong, have a heavy cast iron frame, and wrought steel door. They are well adapted for taking in steam coal or small freight, are water tight when closed, and lock with a bolt on under side.

Other sizes made to order.

STEEL COAL-HOLE DOOR.



PRICE LIST.

Small Door, 26 inches square, 20 in square opening \$16 00

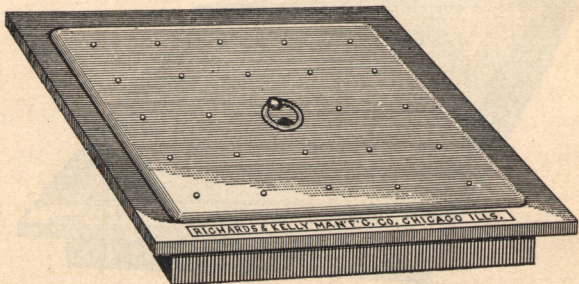
Large Door, 30 inches square, 24 in. square opening 20 00

Kept in Stock.

These doors are made strong, have a heavy cast iron frame, and wrought steel door. They are well adapted for taking in steam coal or small freight, are water tight when closed, and lock with a bolt on under side.

Other sizes made to order.

STEEL COAL-HOLE COVER AND THIMBLE.



PRICE LIST.

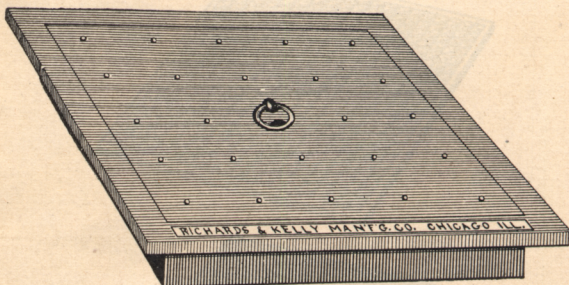
Small Cover, 26 inches square, 20 inch square opening	- - - - -	\$16 00
Large Cover, 30 inches square, 24 inch square opening	- - - - -	20 00

Kept in Stock.

These covers are made strong, have a heavy cast iron frame, and wrought steel cover, well supported with angle iron. They are well adapted for taking in steam coal or small freight, are water tight when closed, and lock with a bolt on under side.

Other sizes made to order.

STEEL COAL-HOLE COVER AND THIMBLE.--Cover Flush with Thimble.



PRICE LIST.

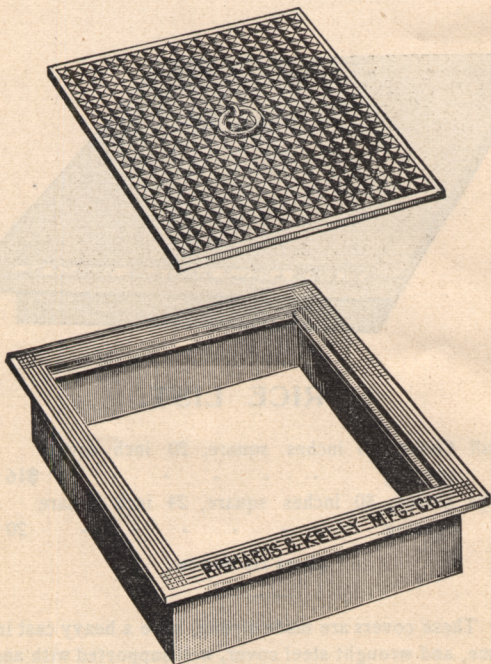
Small Cover, 26 inches square, 20 inch square opening	- - - - -	\$16 00
Large Cover, 30 inches square, 24 inch square opening	- - - - -	20 00

Kept in Stock.

These covers are made strong, have a heavy cast iron frame, and wrought steel cover, well supported with angle iron. They are well adapted for taking in steam coal or small freight, and lock with a bolt on under side.

Other sizes made to order.

CAST IRON ALLEY COAL-HOLE COVER AND FRAME.



PRICE LIST.

No. 1	26 inches square, 20 inch square opening	\$18 00
No. 2	30 inches square, 24 inch square opening	24 00

Kept in Stock.

These covers are very strong and can be driven over with heavy loads.

SIDEWALK DOORS

DIAMOND STEEL
PLAIN STEEL
PRISMATIC



DIRECTIONS FOR ORDERING

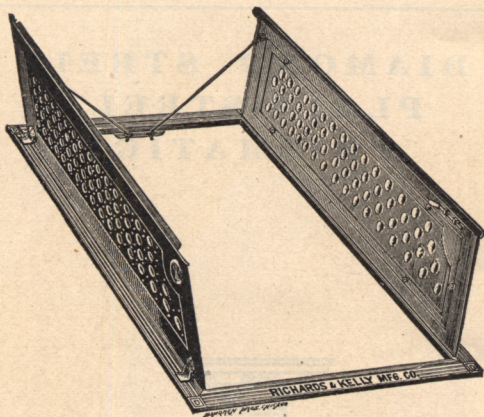
State catalogue and page numbers.

Give either, net door opening or over all size of the frame.

State on which side of frame hinges are required.

If possible, send sketch.

RAISED PRISMATIC TRAP DOORS



Made to Order.

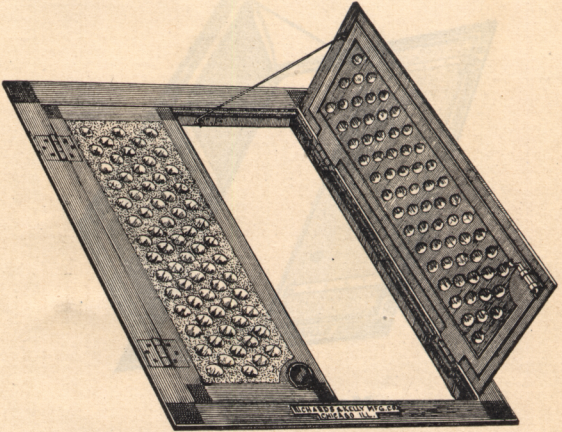
For use over basement stairs, slides, sidewalk elevators, etc.

Are water-tight when closed, and fitted with strong brass hinges and hooks to hold them open, and bolt to fasten them when closed.

Hinges and doors project above frame.

Glazed as shown on pages 28-29, 30-31, 32-33, or with 3" square plain lenses.

FLUSH PRISMATIC TRAP DOORS



Made to Order.

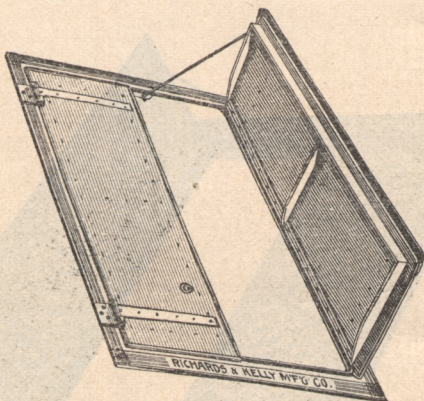
For use over basement stairs, slides, sidewalk elevators, etc.

Are fitted with strong brass hinges and hooks to hold them open, and bolt to fasten them when closed.

Hinges and doors flush with frame.

Glazed as shown on pages 28-29, 30-31, 32-33, or with 3" square plain lenses.

RAISED STEEL TRAP DOORS



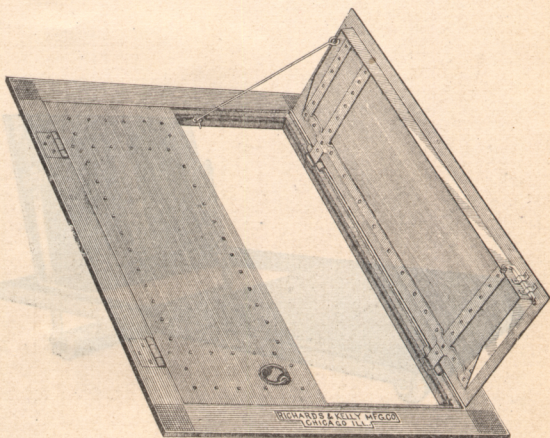
Made to Order.

For use over basement stairs, slides, sidewalk elevators, etc. Are the best and most durable doors made. Light to open and close, not easily broken, are water-tight when closed. Made with strong hinges and hooks to hold them open and bolt to fasten them when closed.

Doors and hinges project above frames.

Can be furnished with either plain or diamond surface steel.

FLUSH STEEL TRAP DOORS



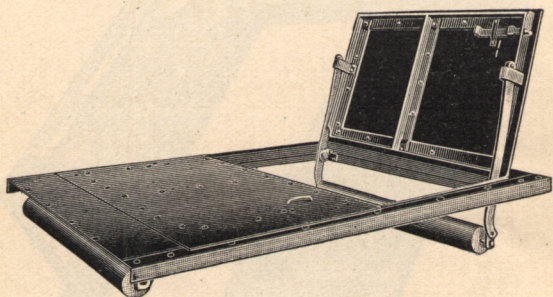
Made to Order.

For use over basement stairs, slides, sidewalk elevators, etc. Are the best and most durable doors made. Light to open and close, not easily broken. Made with strong hinges and hooks to hold them open and bolt to fasten them when closed.

Hinges and doors flush with frame.

Can be furnished with either plain or diamond surfaced steel.

VEIT'S PATENT TRAP DOORS



For use over slides, coal hole openings, roof scuttles, inside floor doors, etc.

Made in any size, either double or single, and in all styles, cast iron, steel, waterproof, flush, and with prismatic lights, if desired.

SIDEWALK LIGHTS
FLOOR LIGHTS
SKY LIGHTS



DIRECTIONS FOR ORDERING

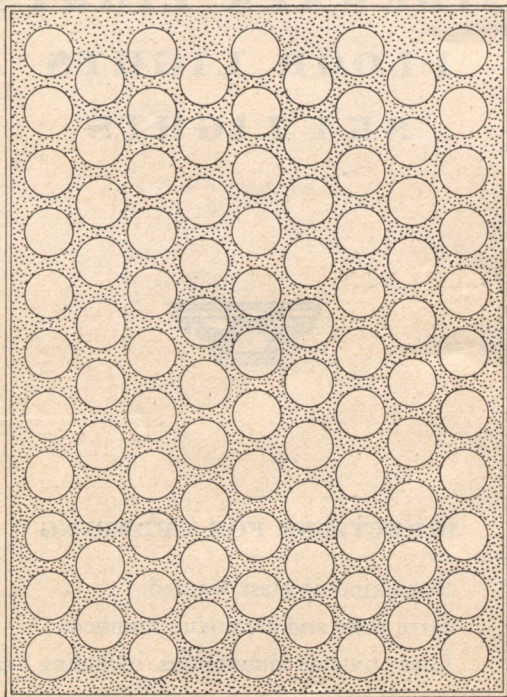
State kind of glass wanted.

Give page and catalogue numbers.

Give outside dimensions including lap
on sidewalk.

If possible, send sketch.

CONCRETE SIDEWALK LIGHT TILE

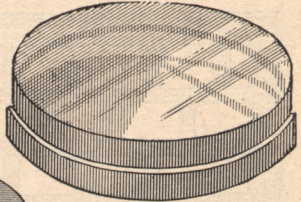


May be made any shape or size up to 25 square feet. Glazed with plain lenses 2", 2½" or 3", with convex lenses 3", or with refracting lenses 2" or 3" diameter.

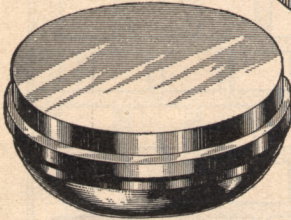
Glazed panels weigh 25 pounds per square foot. Panels containing 12 to 16 square feet are most convenient to handle.

Details of construction shown on page 35.

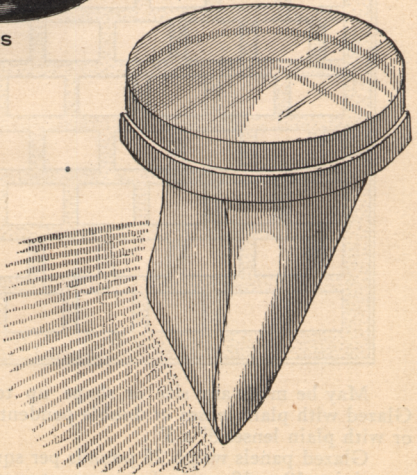
LENSES FOR CONCRETE SIDEWALK TILE



PLAIN LENS

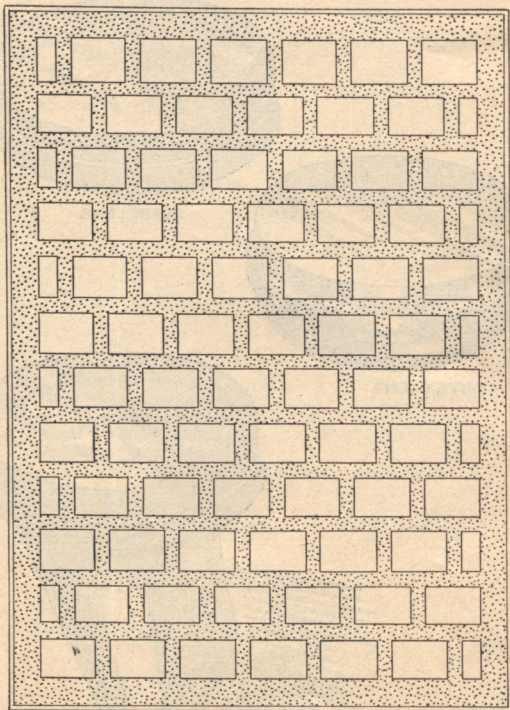


CONVEX LENS



REFRACTING LENS

CONCRETE SIDEWALK LIGHT TILE

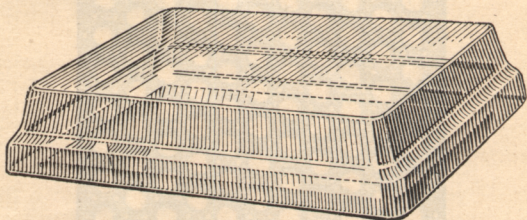


May be made any size or shape up to 25 square feet. Glazed with plain lenses or double pendent lenses $2\frac{1}{2}'' \times 3\frac{1}{2}''$ or with plain lenses $3'' \times 3''$.

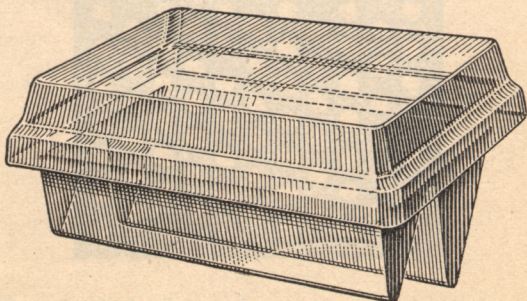
Glazed panels weigh 25 pounds per square foot. Panels containing 12 to 16 square feet are most convenient to handle.

Details of construction shown on page 35.

LENSES FOR CONCRETE SIDEWALK TILE

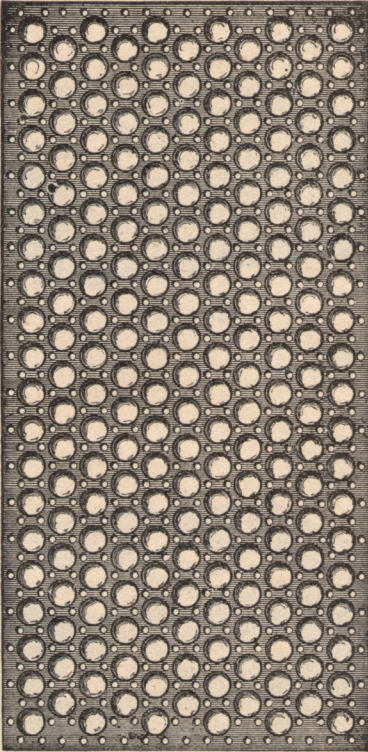


PLAIN LENS



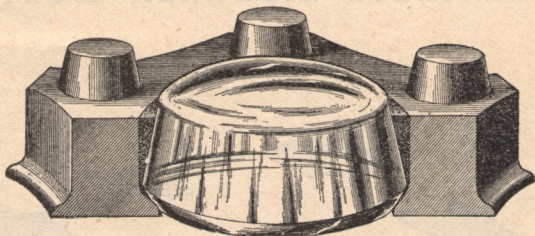
DOUBLE PENDANT REFRACTING LENS

IRON PRISMATIC LIGHT TILE.

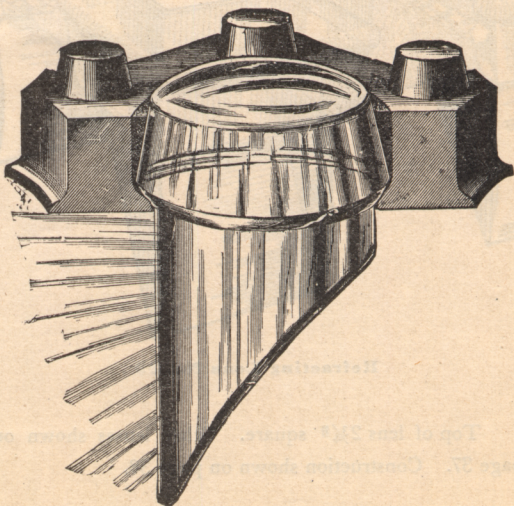


Can be made any size or shape. Send drawings for estimate. Price according to construction.

IRON PRISMATIC LIGHT LENSES.

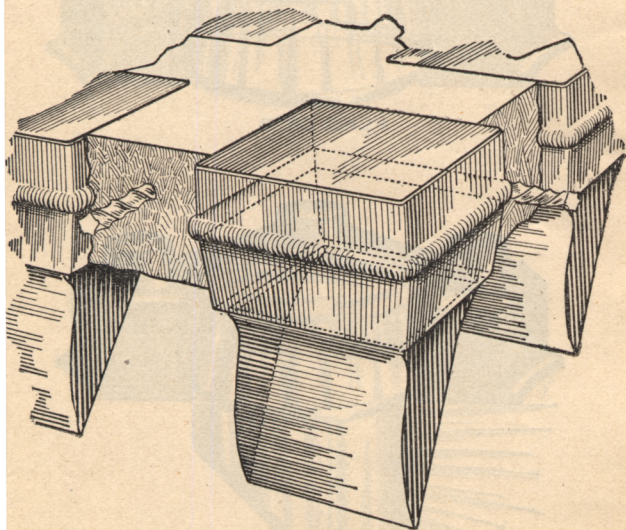


PLAIN LENS



REFRACTING LENS

REINFORCED CONCRETE SIDEWALK LIGHT

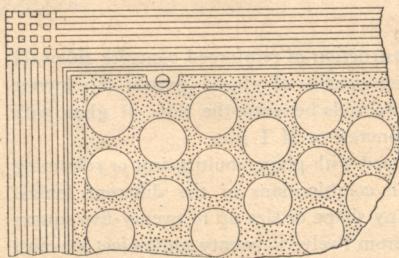
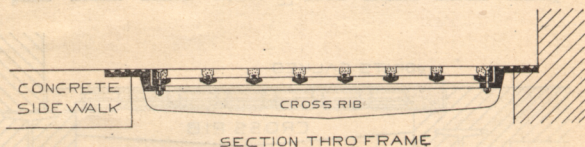
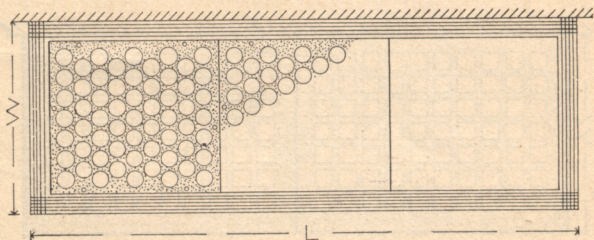


Refracting Lens No. 29

Top of lens $2\frac{3}{4}$ " square. Other lenses shown on page 37. Construction shown on page 36.

CONCRETE SIDEWALK LIGHTS

Cast Iron Construction



Details showing Concrete Sidewalk Lights with cast iron framework and tiles as furnished f. o. b. cars.

Concreting is done in shop before shipment, so that installation at building is a simple matter.

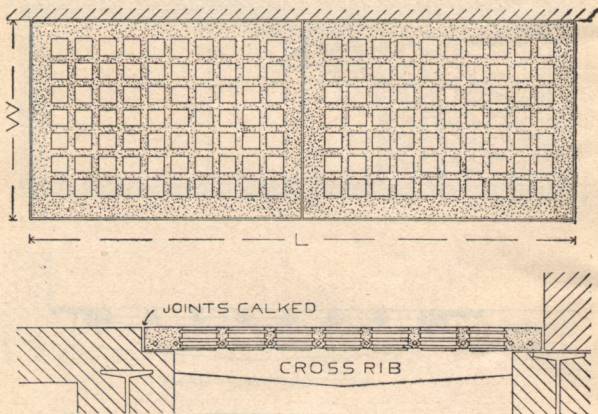
Can be made with panels 5' 0" x 5' 0", or of similar area. We can furnish panels without cast iron frame, using T iron cross ribs if desired.

Send sketches or drawing of work if possible.

Prices given f. o. b. cars or set in place at building.

SIDEWALK LIGHTS

Reinforced Concrete Construction



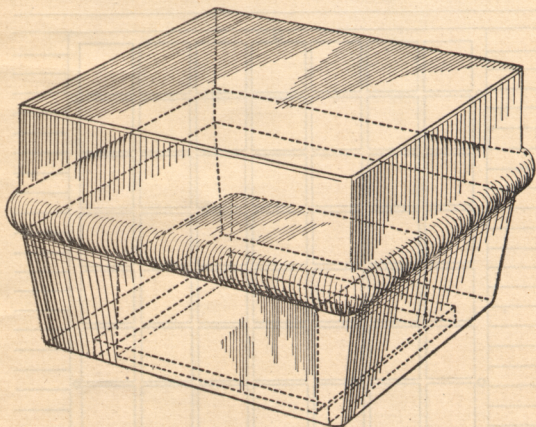
Details of construction of reinforced concrete sidewalk lights. This system consists of glazed panels of concrete with $\frac{1}{4}$ " twisted steel rods between the rows of glass with cross supports of concrete or of T iron.

Panels are glazed with plain, multi prism or refracting lens glass, or with combinations of the different lenses. Panels are made any shape or size up to twenty-five square feet. Sections of from twelve to twenty square feet are most convenient to handle, as the weight is 25 pounds per square foot.

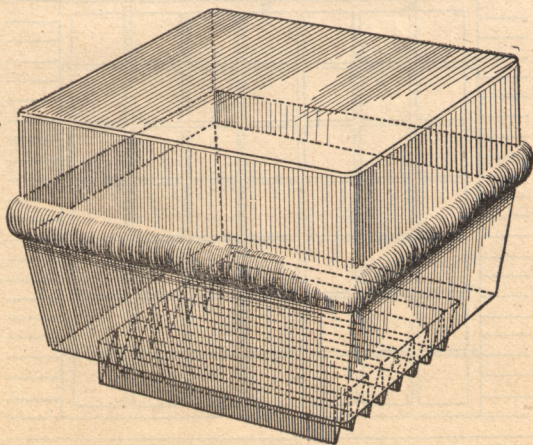
Concreting is done in shop by experts in this class of work, insuring best results. The panels may be set at building by any mechanic.

Prices f. o. b. cars or set in place at building.

LENSES FOR REINFORCED CONCRETE LIGHTS

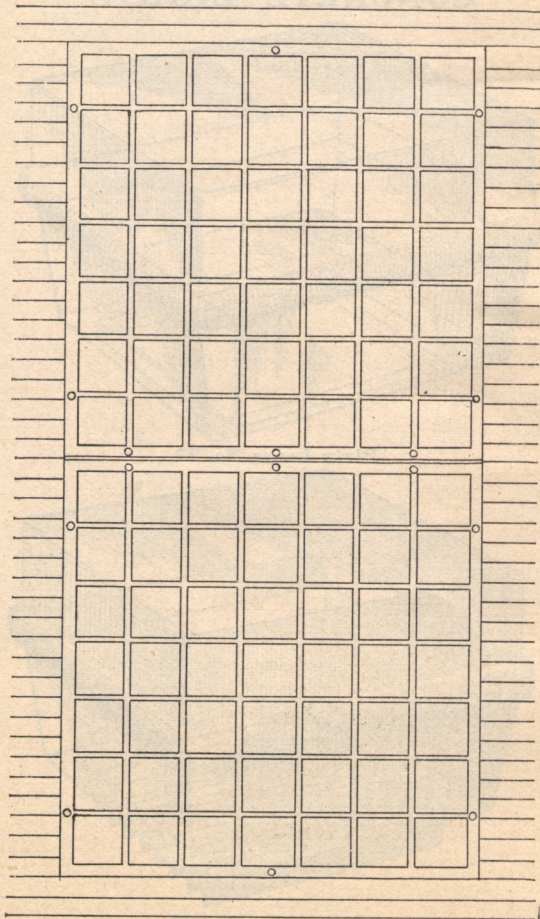


Plain Lens No. 27

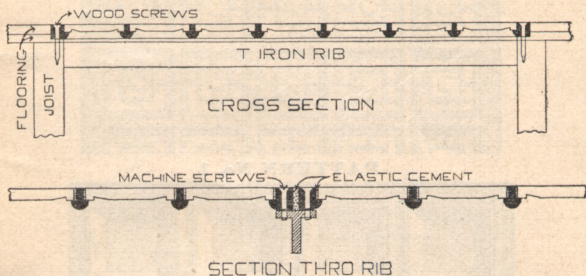


Multi Prism No. 28

FLOOR LIGHTS



DETAILS OF FLOOR LIGHTS



Floor Lights are constructed of heavy cast iron panels with T iron cross supports, and are designed to carry regular floor loads with a proper factor of safety.

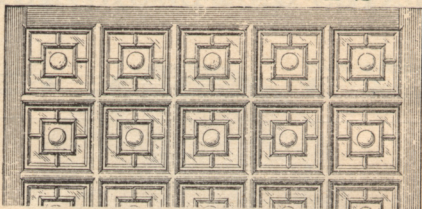
The standard floor glass is 6" square, and we also have patterns for 4" square glass. These two sizes of glass are of sufficient thickness to permit of light trucking. We are also prepared to quote on any special size or kind of glass required.

Glass is set with an elastic cement. The joints between the panels are also filled with this cement, which provides for expansion and contraction.

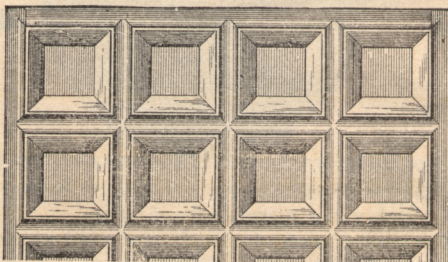
S Skylights of a similar construction to the above glazed with wire glass are also manufactured by us. We prepare for proper joining with flashing, ventilators, etc.

Prices quoted f. o. b. cars, with panels glazed in shop, or set in place at building.

SKY LIGHTS



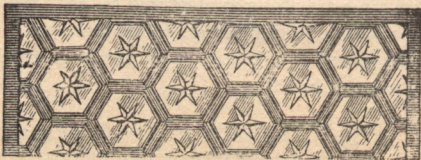
PATTERN No. 1



PATTERN No. 2



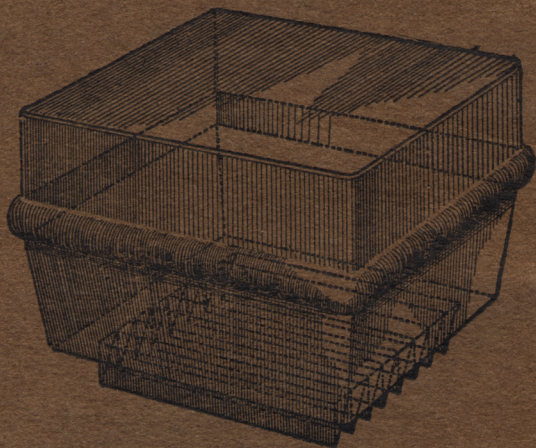
PATTERN No. 3



PATTERN No. 4

Can be made any desired shape. Send drawings for estimate. Price according to construction.

**To avoid delay when sending orders or inquiries, give catalog and page numbers.
DESTROY FORMER CATALOGS**



Multi Prism No. 28