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---

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## EDITORIAL NOTE.

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Make your sketches of the Diagrams as large as the paper will admit, adding as many additional particulars and carefully-executed drawings of the smaller details as you can possibly get hold of.

A few spare pages of squared paper have been bound in with the book to add to its value as a receptacle for useful memoranda, sketches, formulæ, &c. No account of these sectional pages has been taken in numbering the pages of the book, but for indexing purposes they can readily be lettered A, B, C, &c., as they become filled up. In this way the "Building Construction Class-Book" can readily be made a valuable and unique "Book of Reference" for the Architect or Builder.

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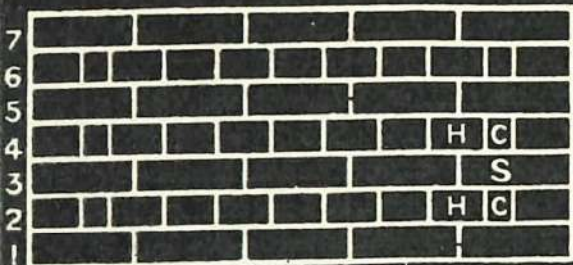
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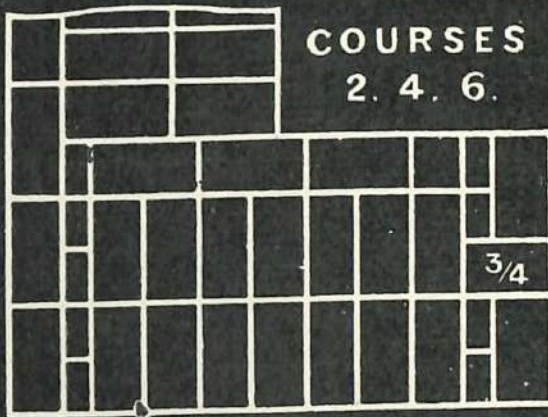


# BRICKWORK.

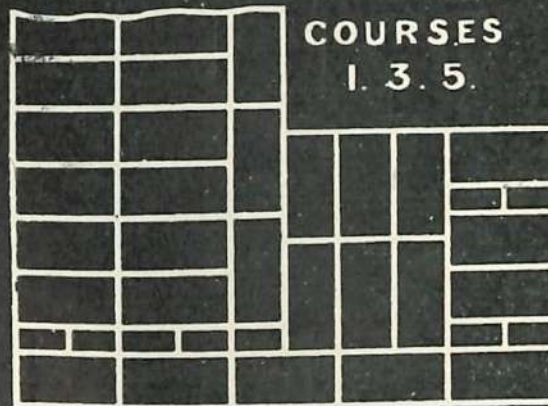
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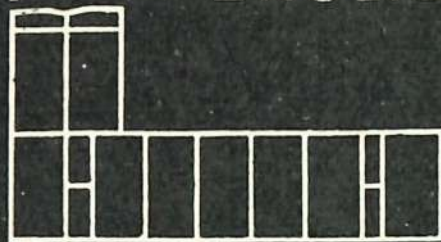
ELEVATION



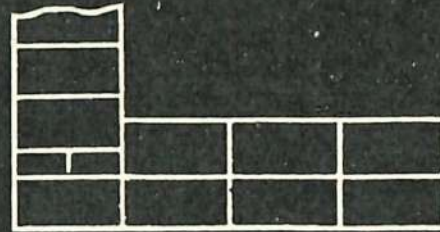
COURSES  
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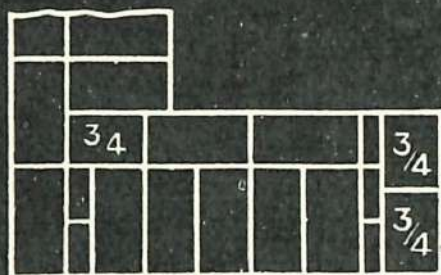
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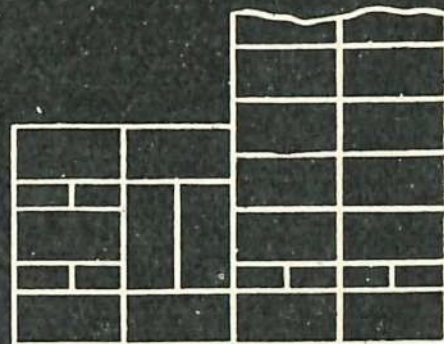
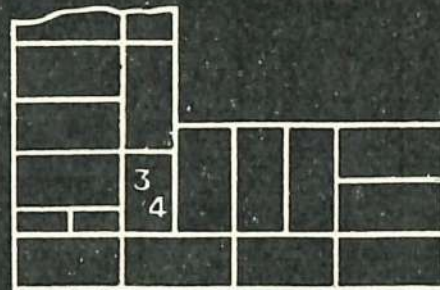
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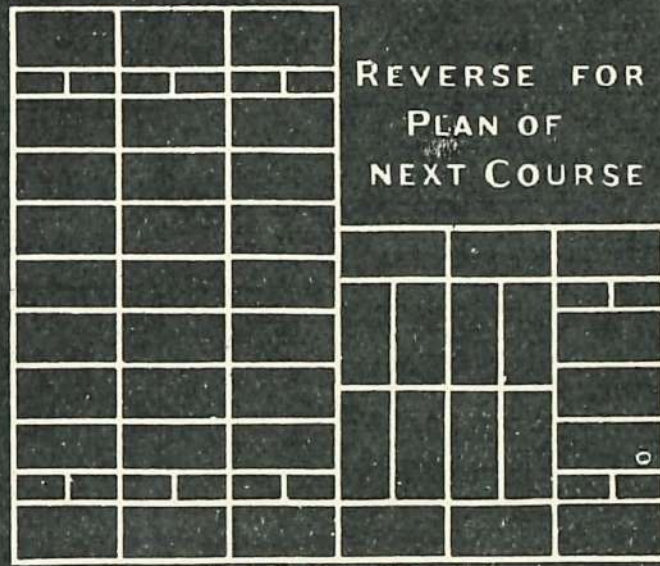
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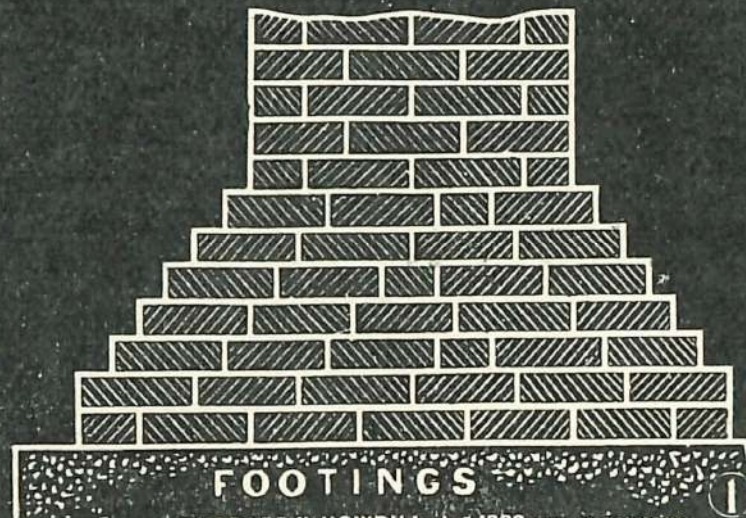
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2 1/2 BRICK WALL



3 BRICK WALL

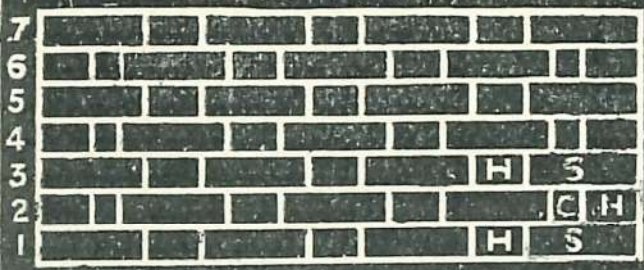


FOOTINGS

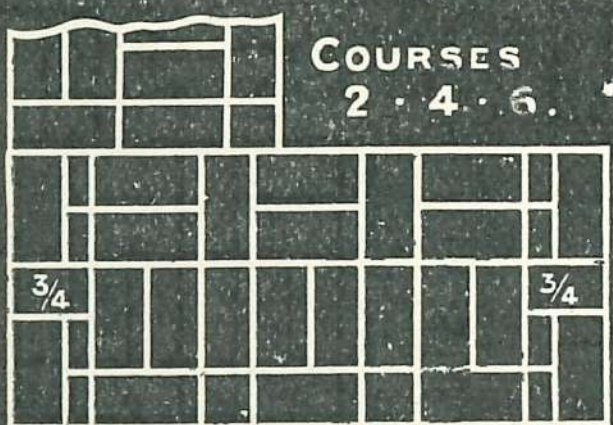
CHARLES H. HOWDILL. Inv. 1902 ENT. STATIONERS' HALL



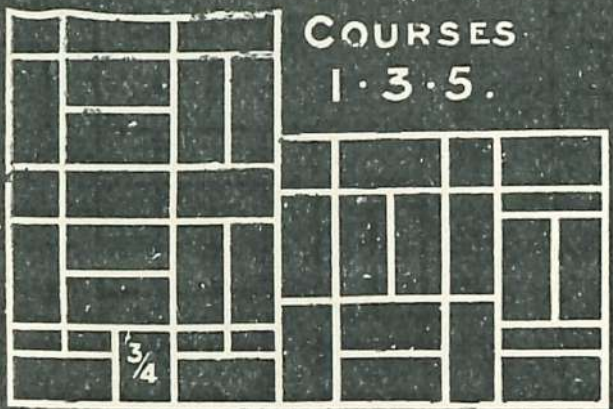
# BRICKWORK.



ELEVATION.



COURSES  
2 · 4 · 6.

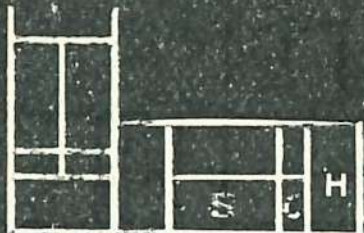


COURSES  
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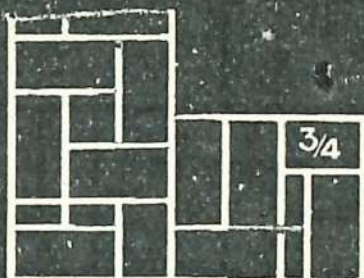
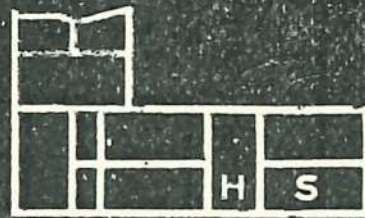
2 1/2 BRICK WALL

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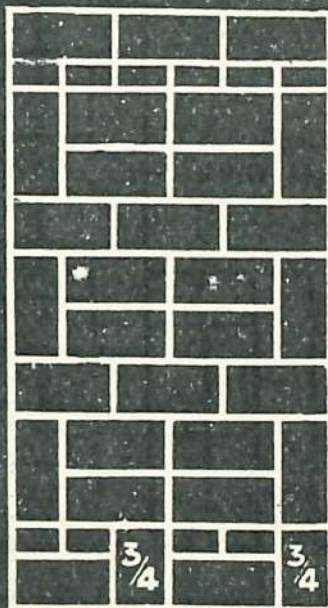
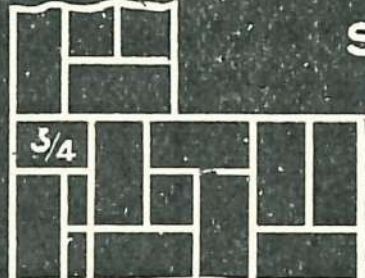
## DOUBLE FLEMISH BOND.



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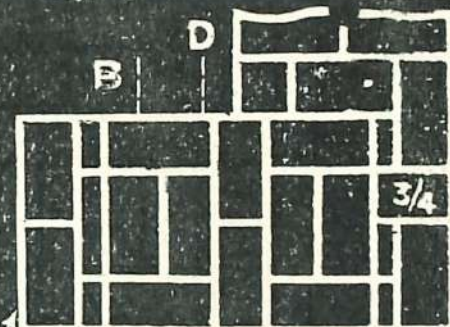


1 1/2 BRICK WALL



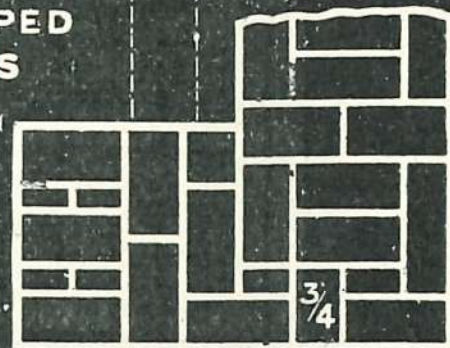
3 BRICK WALL

REVERSE  
FOR PLAN OF  
NEXT COURSE

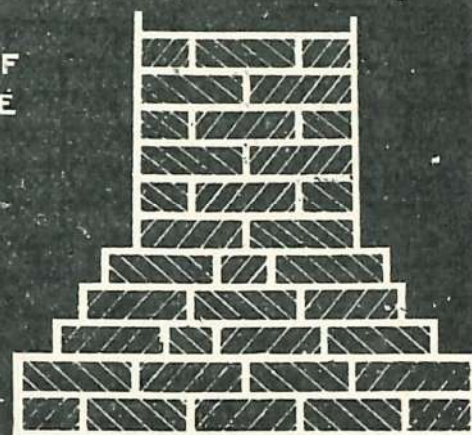


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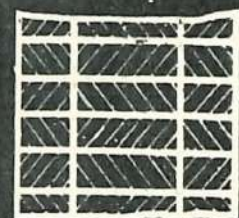
STOPPED  
ENDS



A C



SECTION ON A.B.



ON C.D.

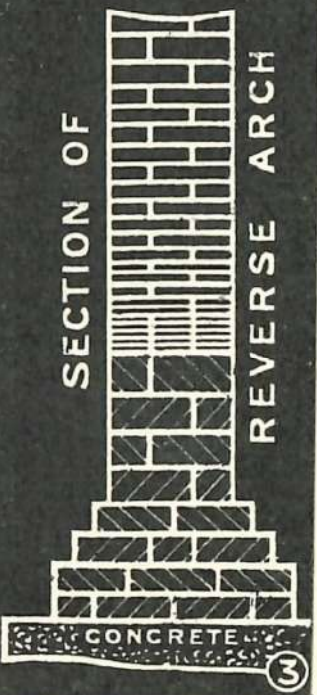
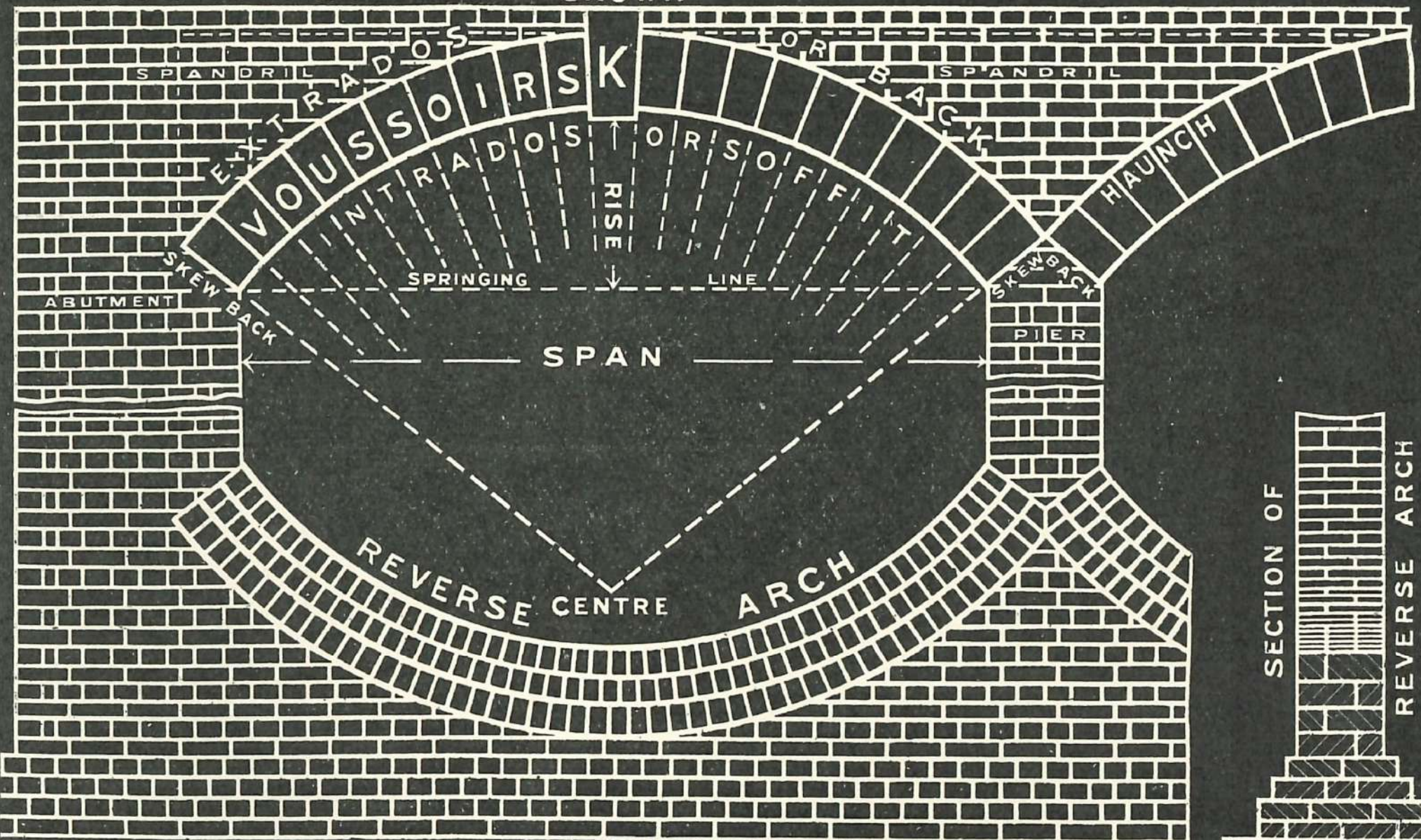
ENTRANCE STATIONERS HALL

CHARLES B. HOWDILL  
Inv<sup>t</sup> 1902



# ARCHES.

CROWN

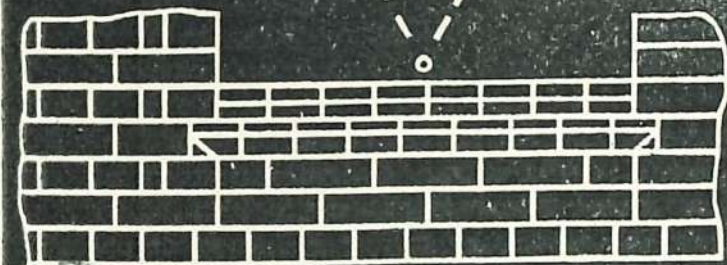
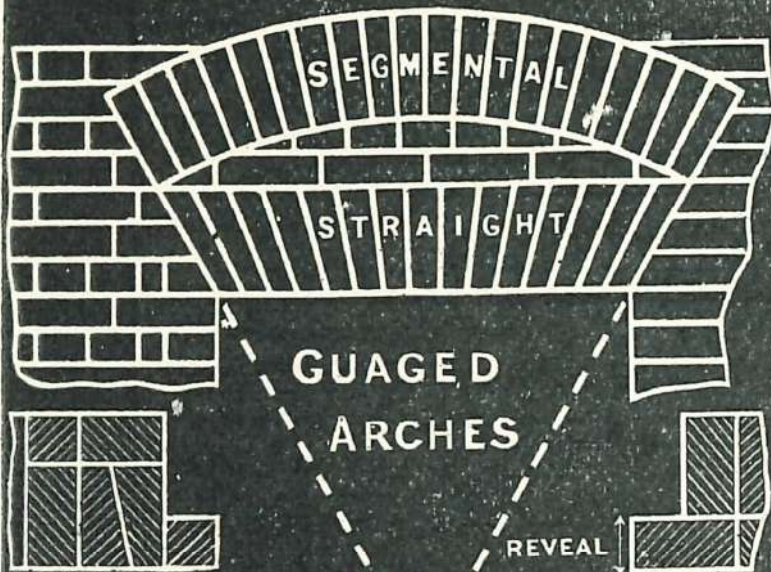


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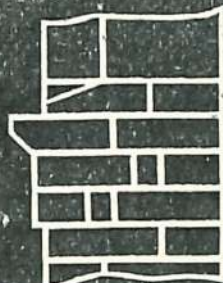
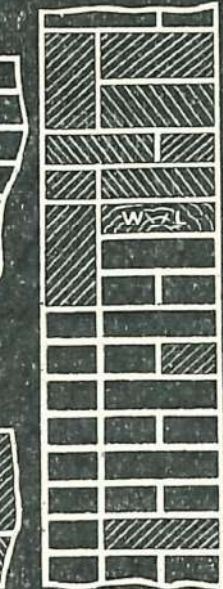
JACKSON BROS L<sup>DS</sup> LEEDS



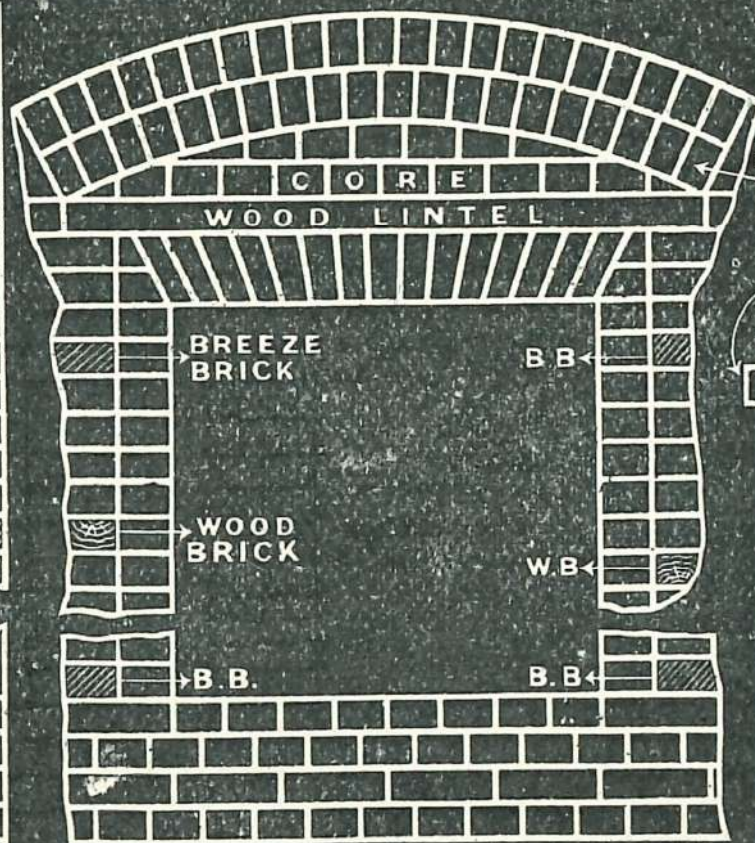
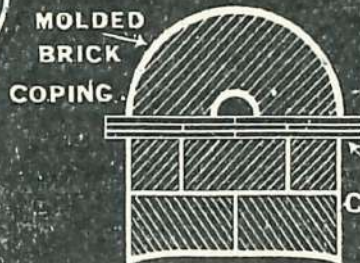
# BRICKWORK, ARCHES.



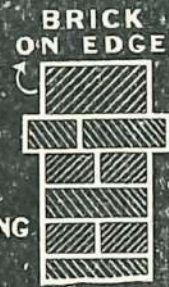
EXTERIOR



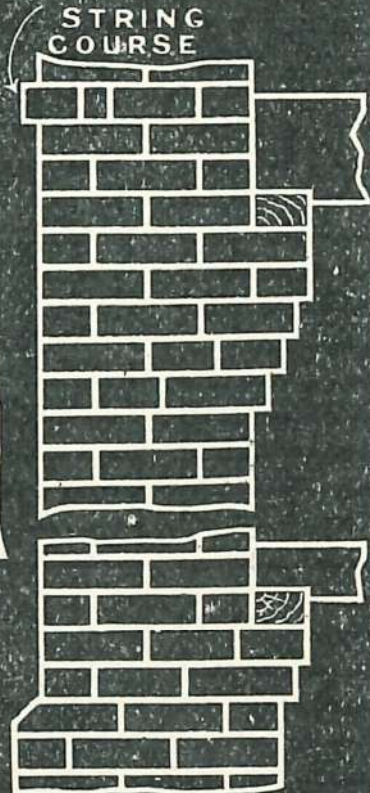
SECTION



INTERIOR



ROUGH RELIEVING ARCH



PLINTH

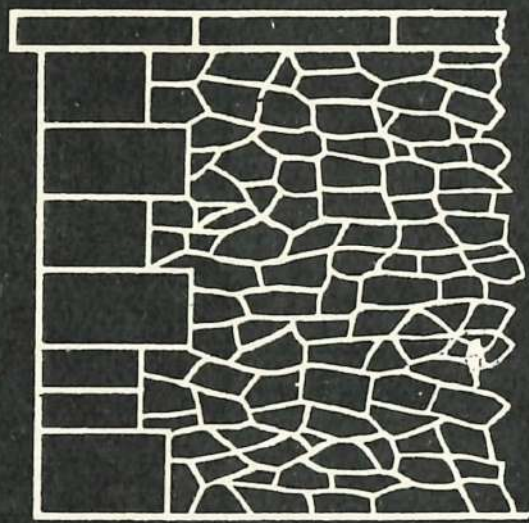
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1892-1902

PRINTED AT STATIONERS HALL

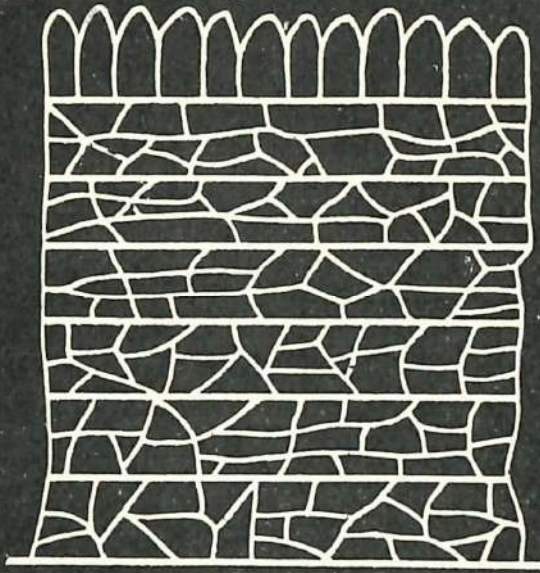
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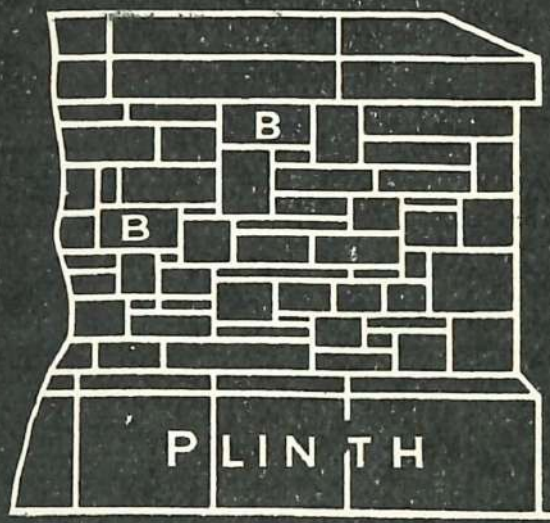
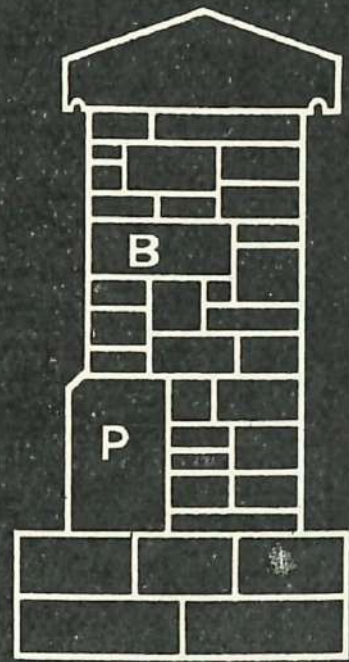
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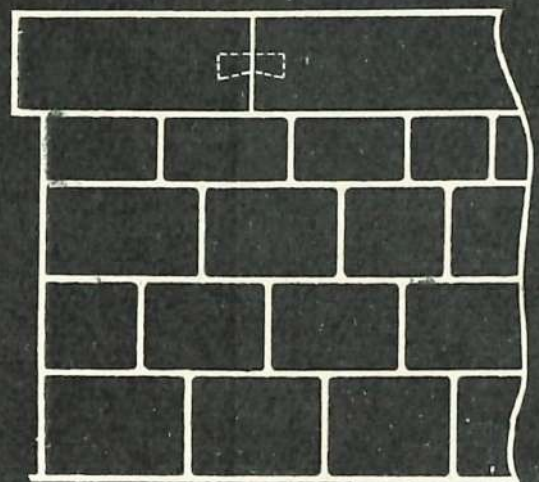
RANDOM RUBBLE  
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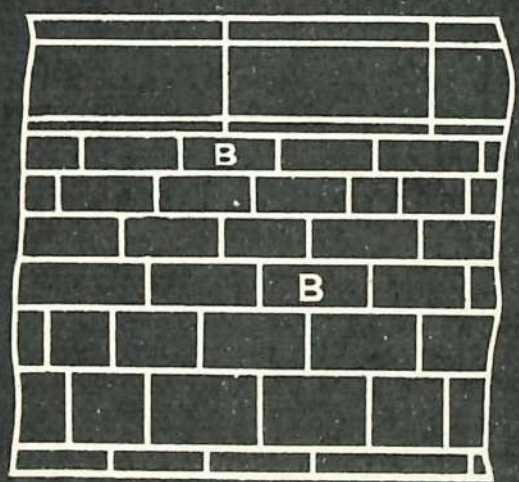
RANDOM RUBBLE  
BUILT TO COURSES



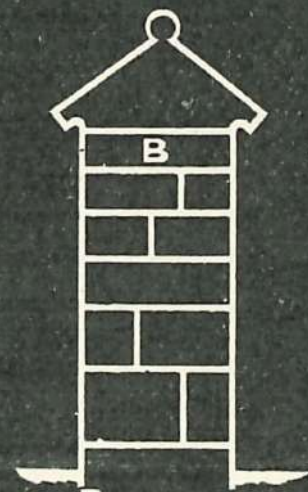
SQUARED OR SNECKED  
RUBBLE, UNCOURSED



BLOCK IN COURSE

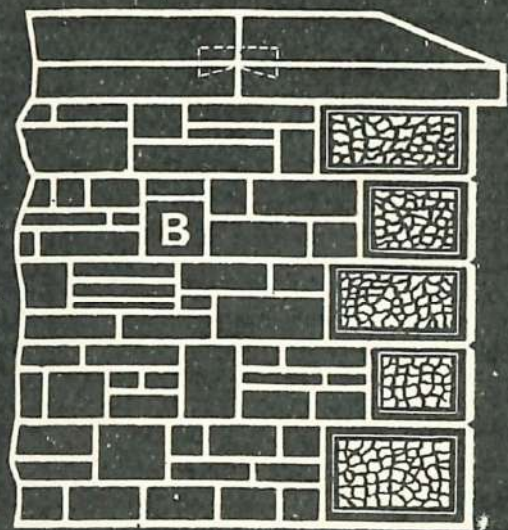


REGULAR COURSED



RUBBLE

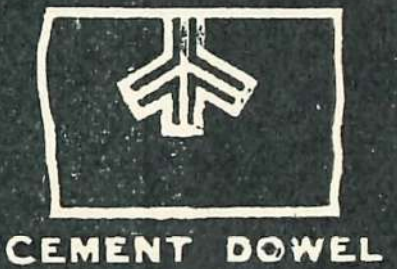
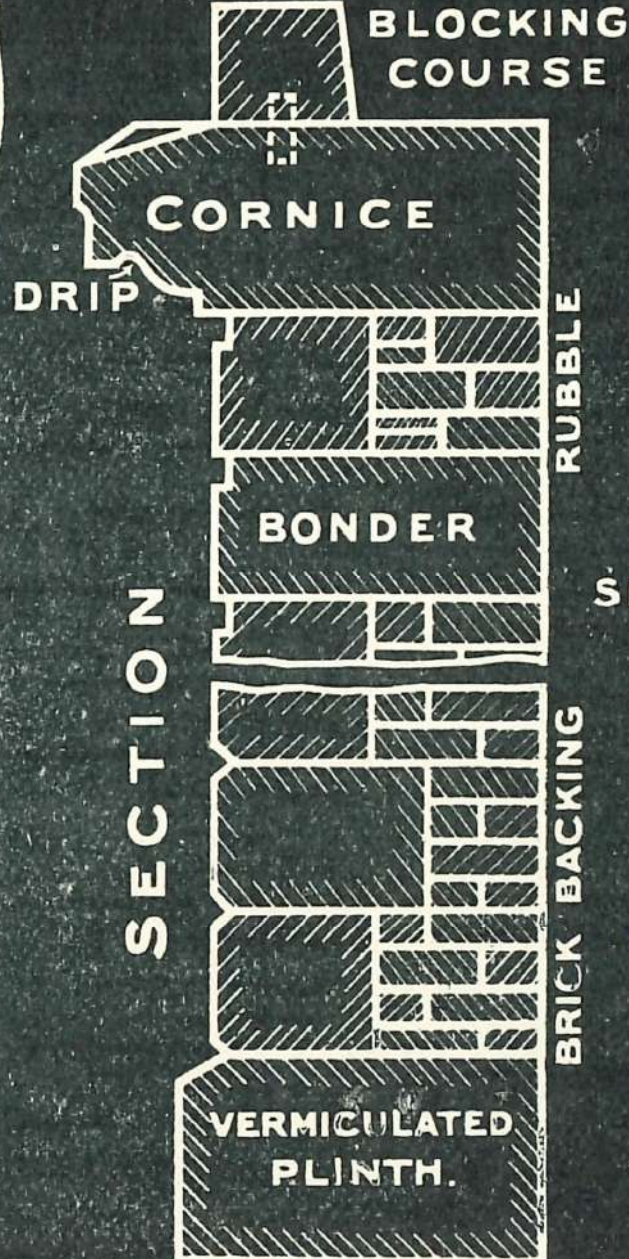
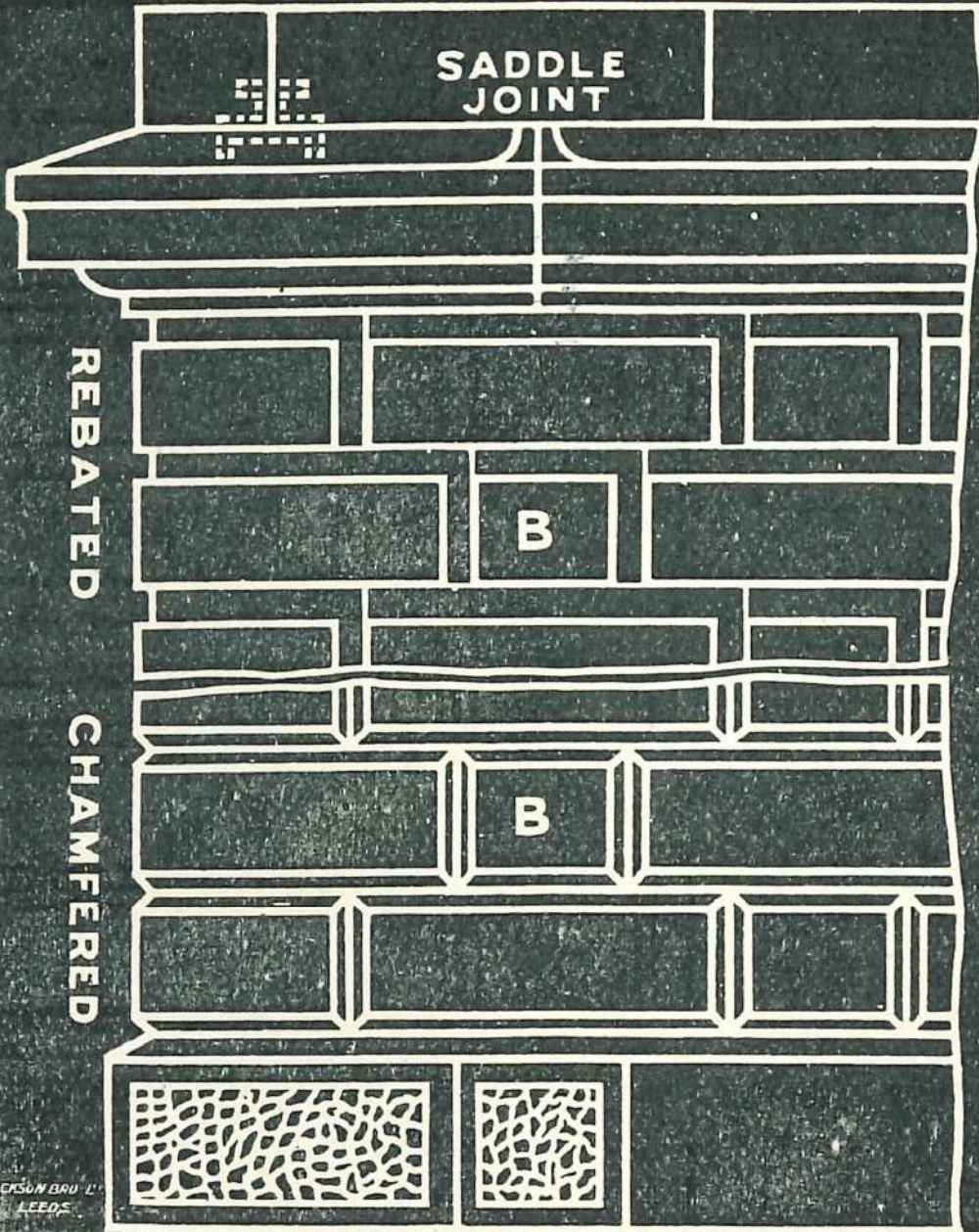
SQUARED RUBBLE  
BUILT TO COURSES.





# MASONRY,

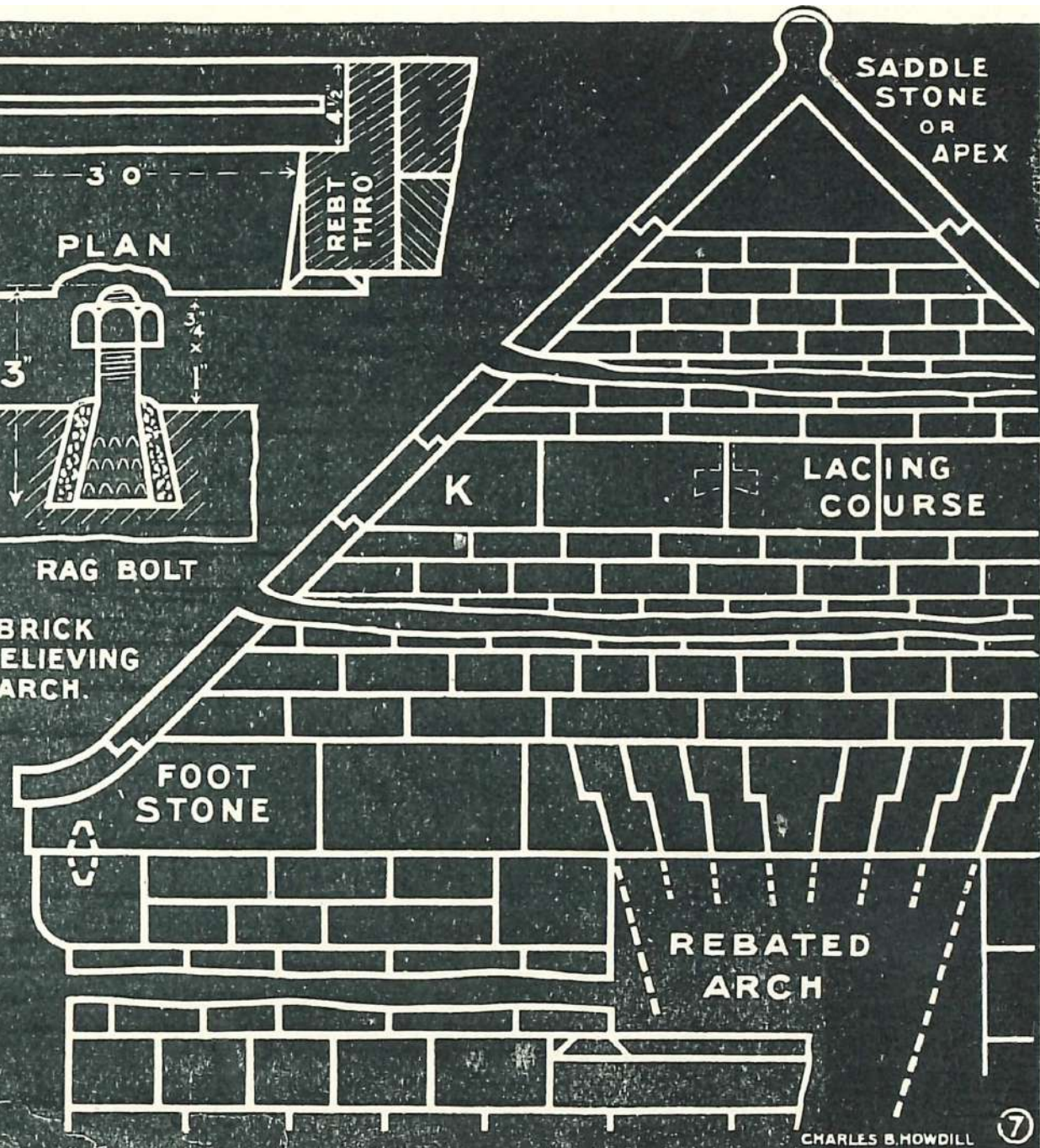
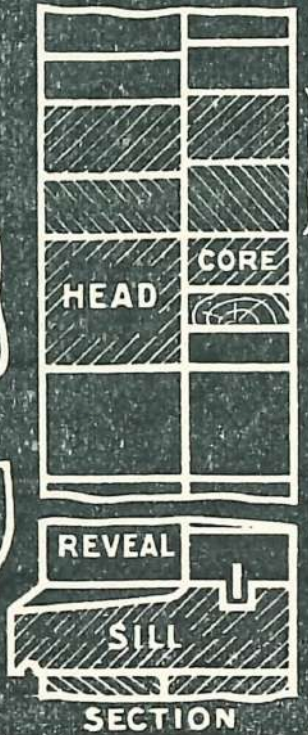
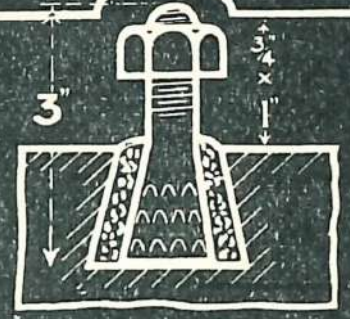
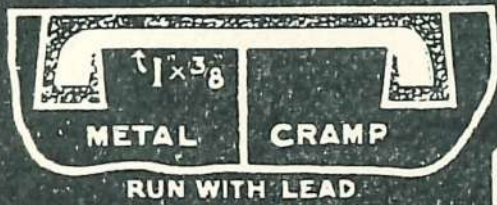
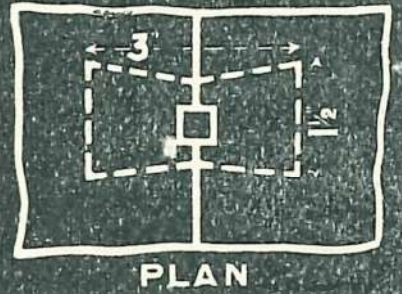
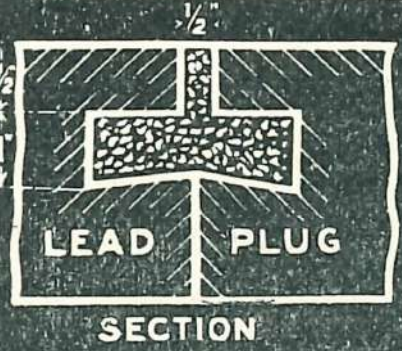
# ASHLAR.



CHARLES B HOWDILL  
INVY 1902

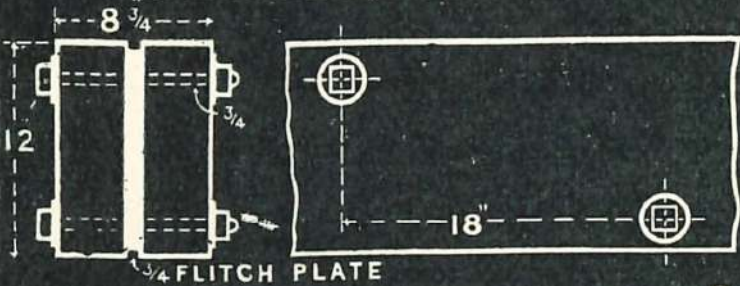


# MASONRY.





# GIRDERS.



FLITCH'D BEAM

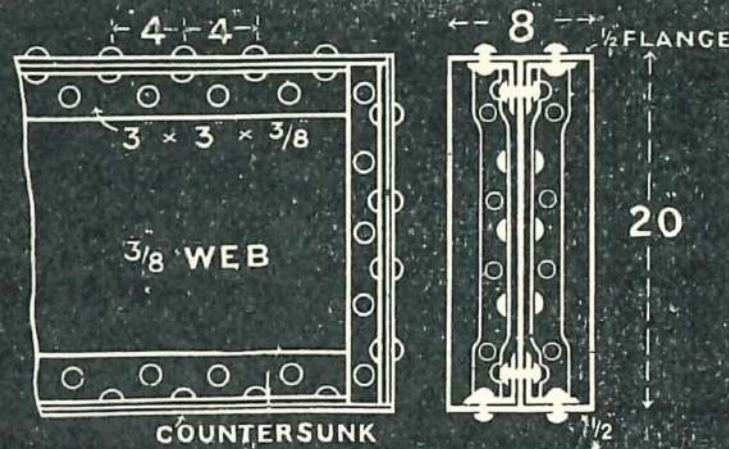
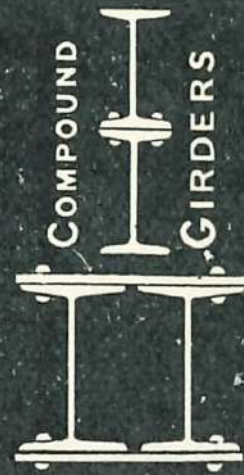
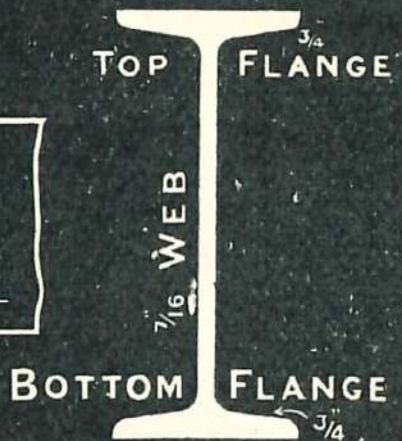
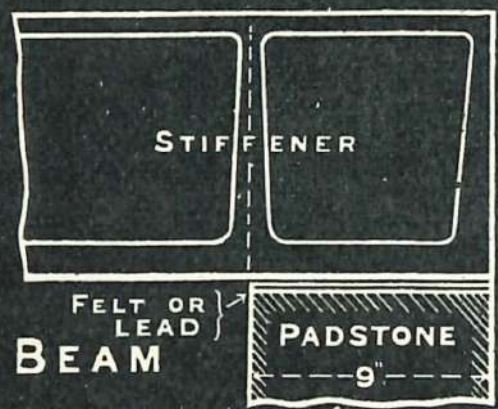
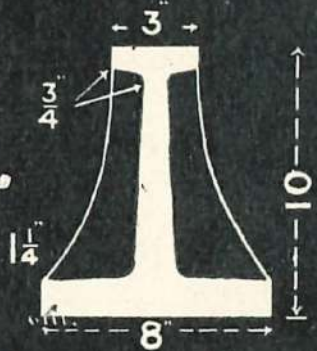
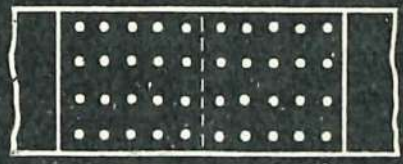


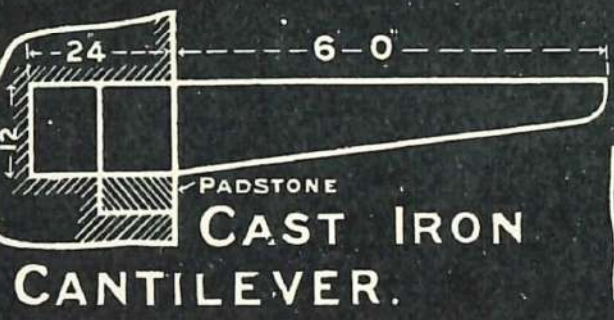
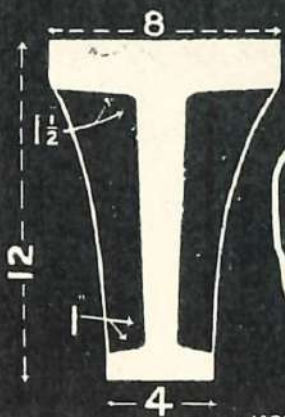
PLATE GIRDER



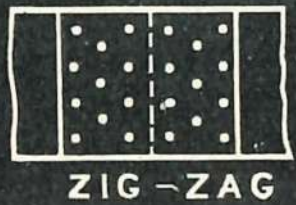
CAST IRON BEAM



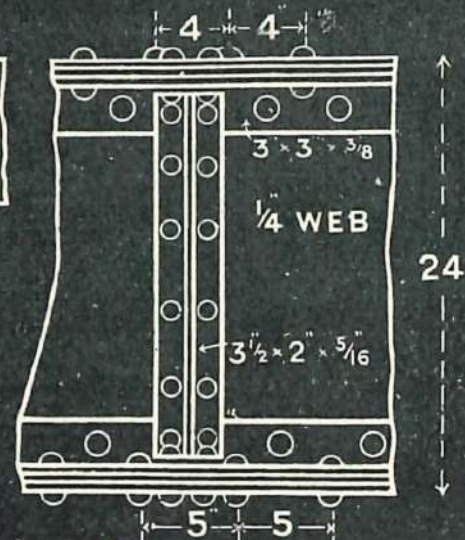
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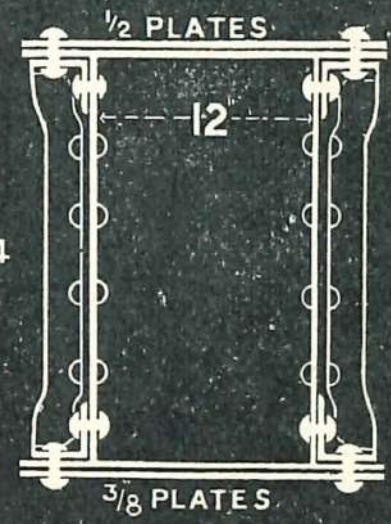
CAST IRON CANTILEVER.



ZIG-ZAG

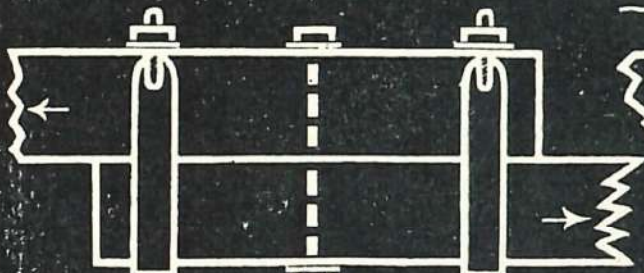


BOX GIRDER.





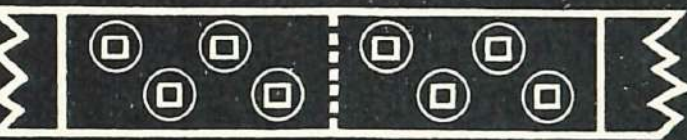
# CARPENTRY, JOINTS



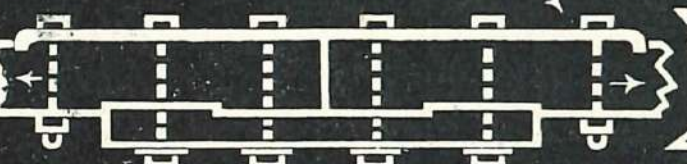
LAP JOINT



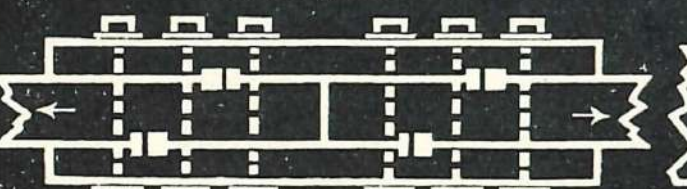
PLAIN ELEVATION



FISHED JOINTS



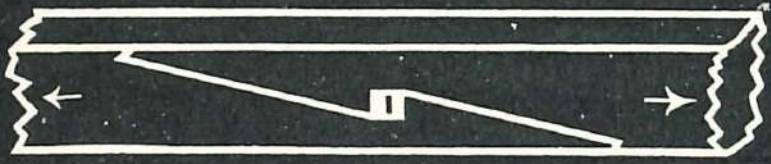
TABLED



FISHED AND KEY'D



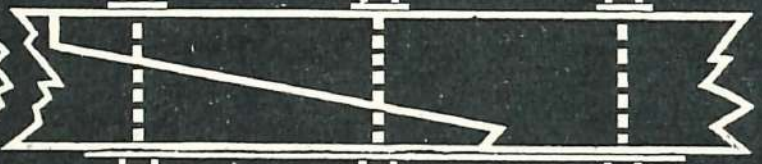
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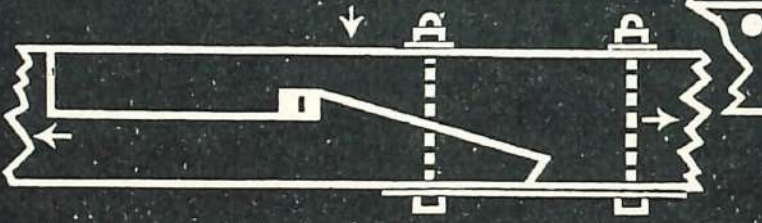
SCARFED WEDGED



SCARFED, WEDGED AND FISHED



SCARFED AND PLATED



TABLED, SCARFED AND PLATED



HALVED TONGUED AND KEY'D

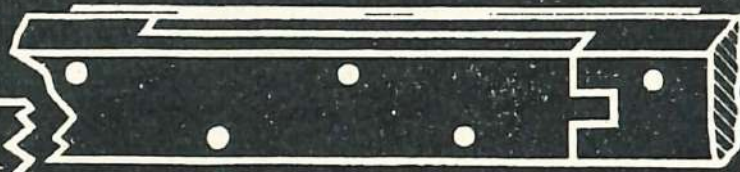


TABLED, TONGUED, WEDGED AND FISHED



HALVED AND FISHED

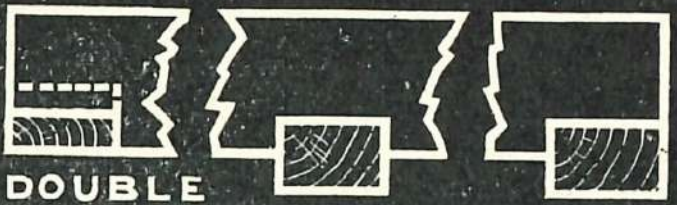
JOINTS TO RESIST COMPRESSION



VERTICAL HALVED TONGUED AND FISHED

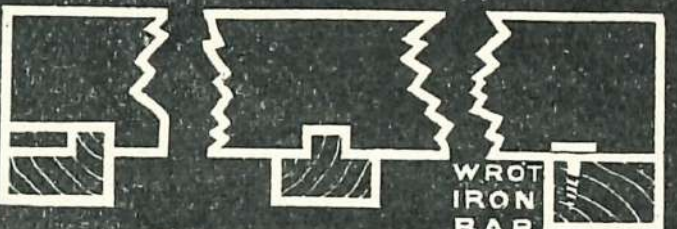


# CARPENTRY JOINTS.



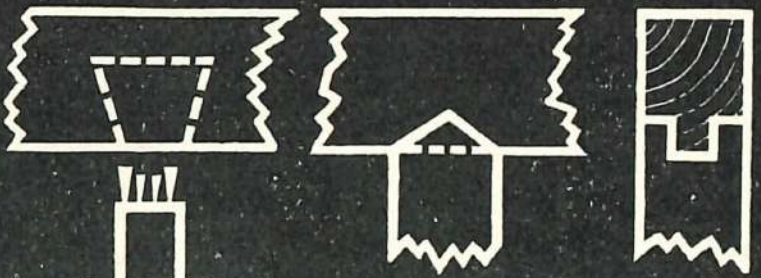
DOUBLE

NOTCHING



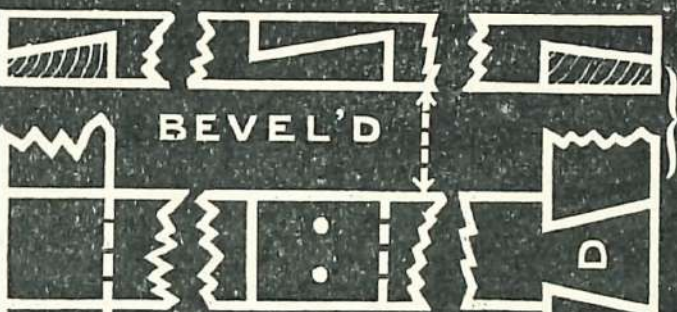
COGGING

WROG  
IRON  
BAR



FOX  
WEDGING

BRIDLE JOINT

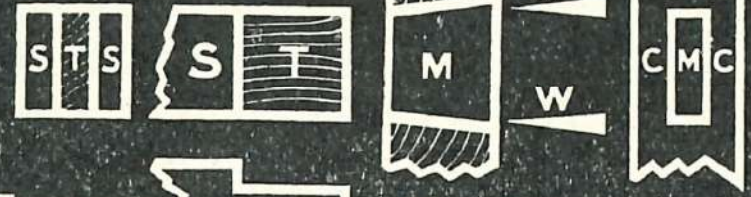


BEVEL'D



DOVETAIL  
HALVED  
AND  
NOTCHED

HALVED



TENON

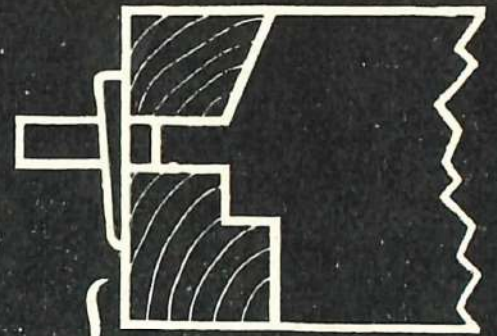
MORTICE



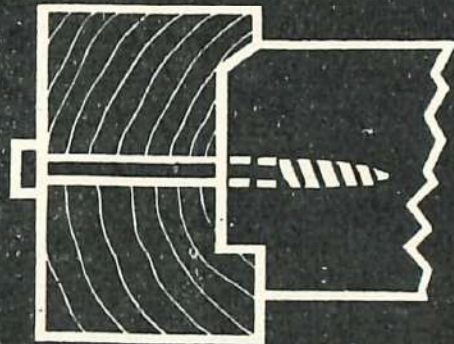
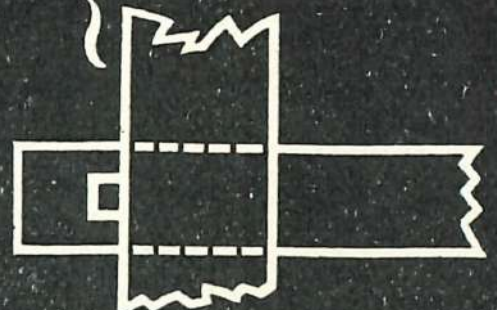
VERTICAL  
CHASE

HORIZONTAL  
CHASE

CHASE MORTICES



SHOULDERED OR TUSK TENONS



HOUSED



STUMP  
TENON

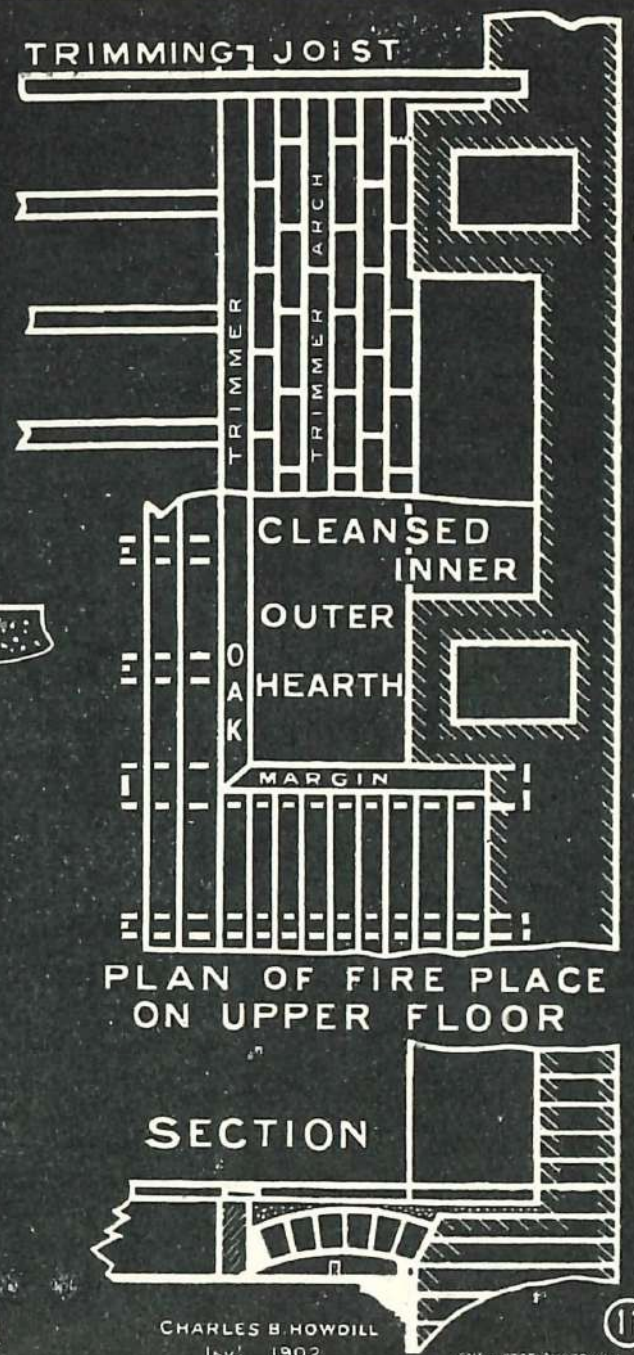
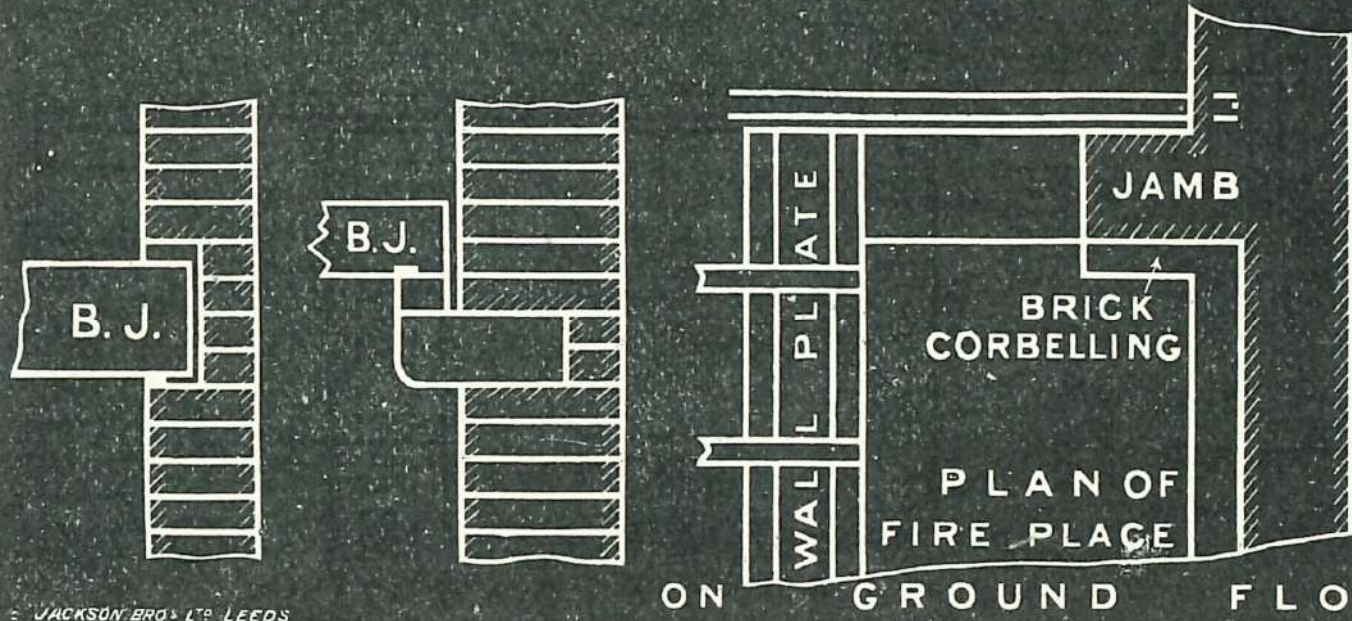
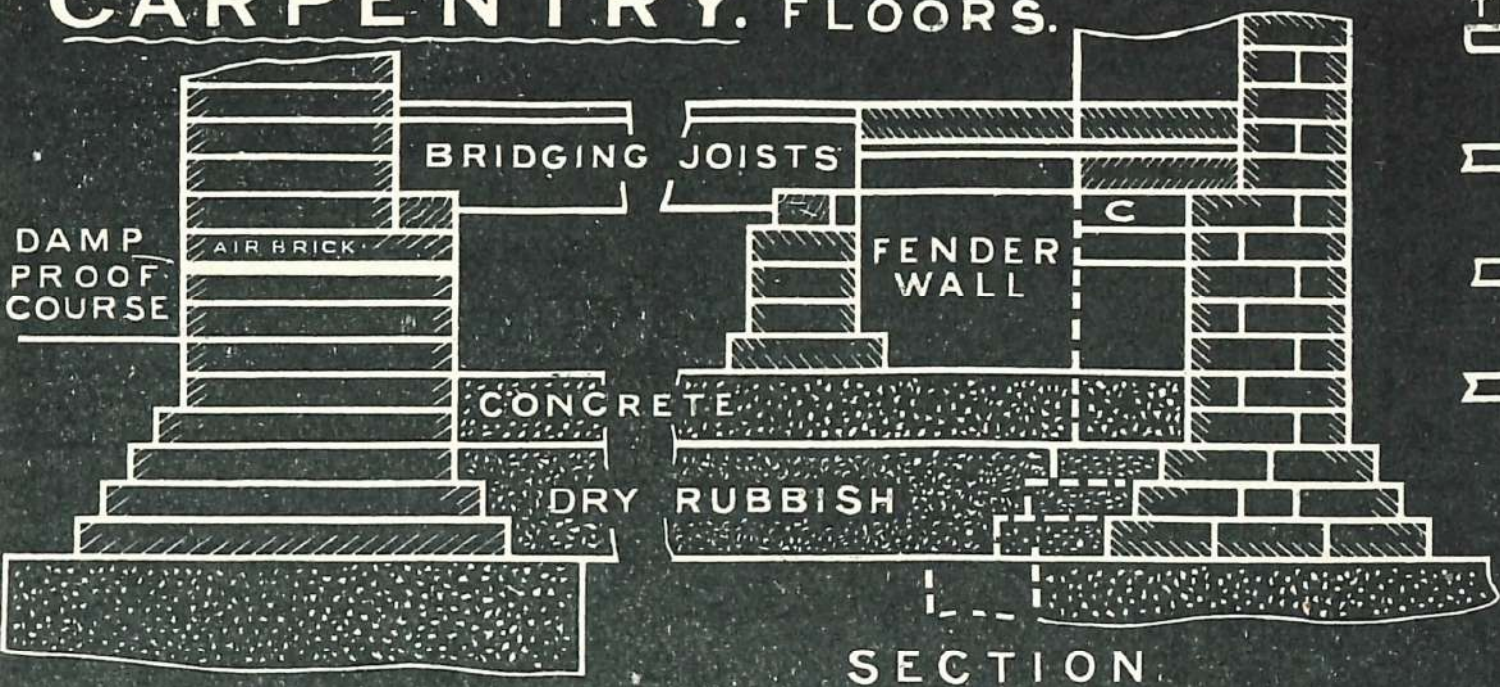
JACKSON BROS. LONDON

CHARLES B. HOWDILL  
INVT 1892

ENTY-STAYDERS' HALL

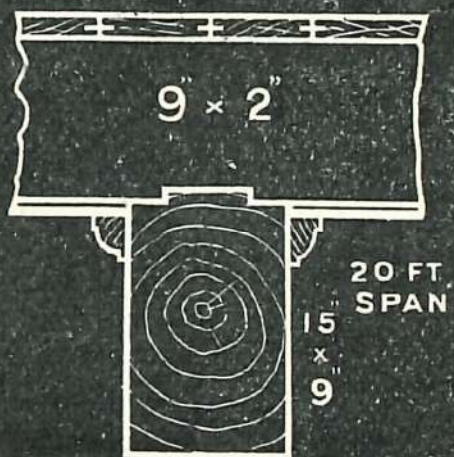
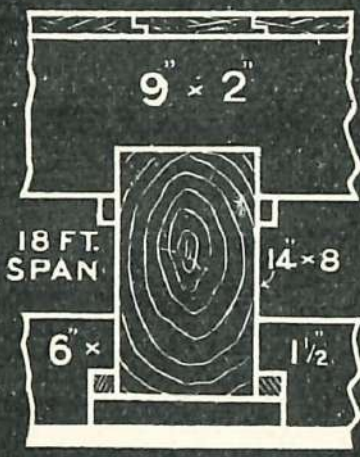
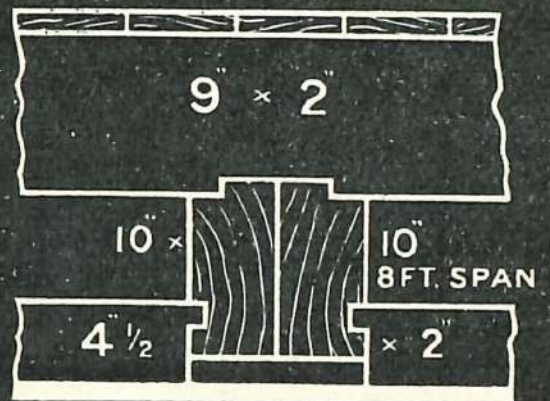
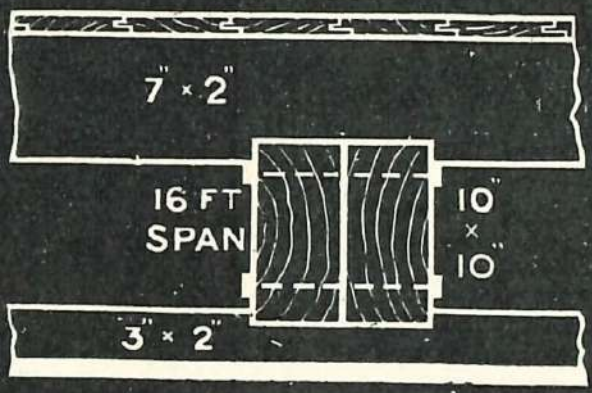
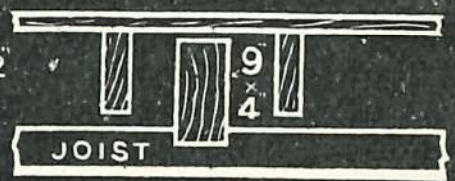
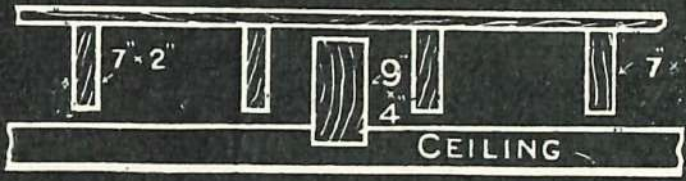
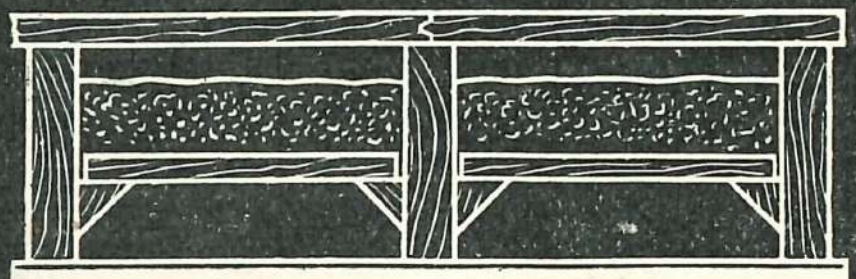
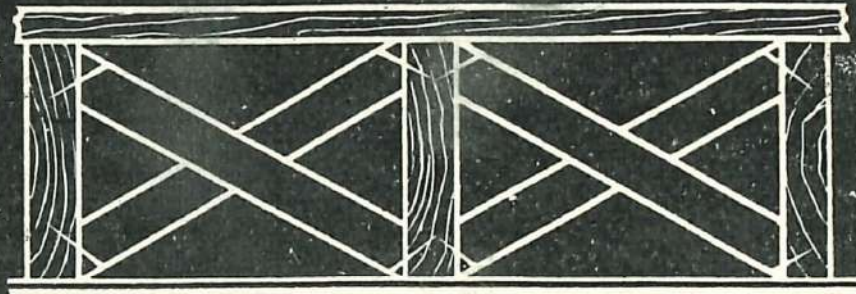
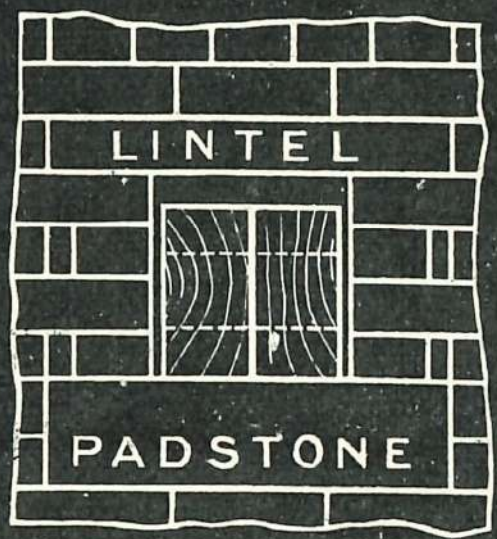
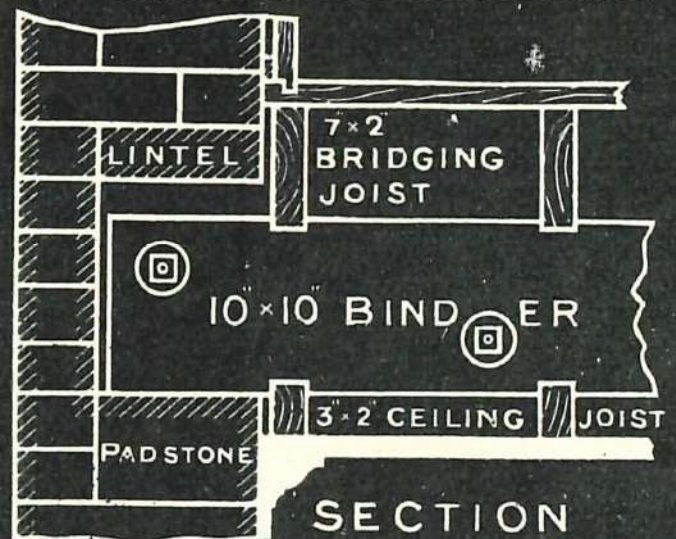


# CARPENTRY. FLOORS.





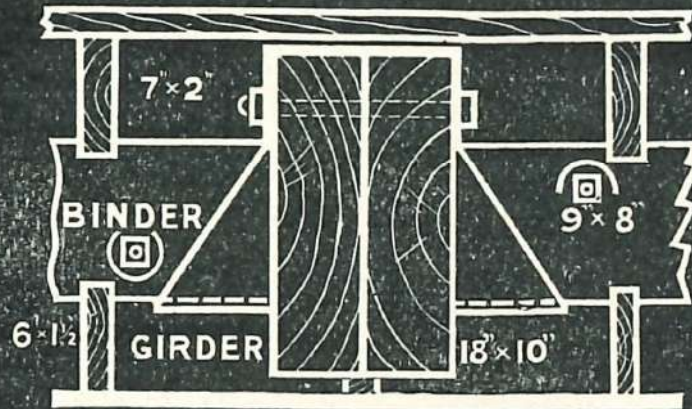
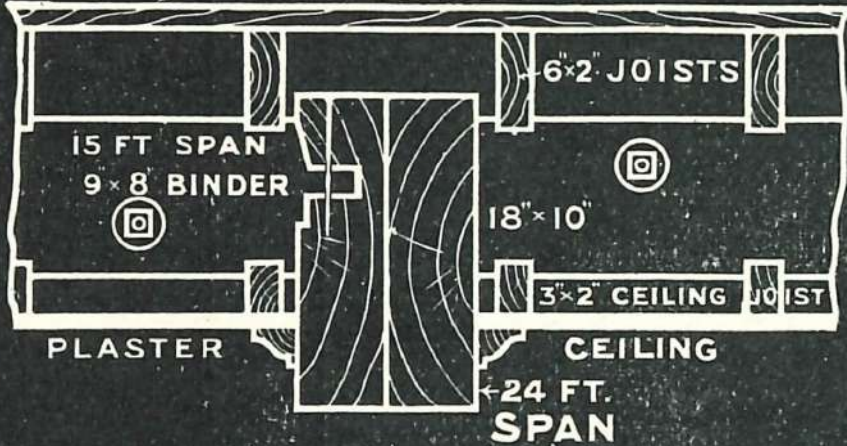
# CARPENTRY. FLOORS.



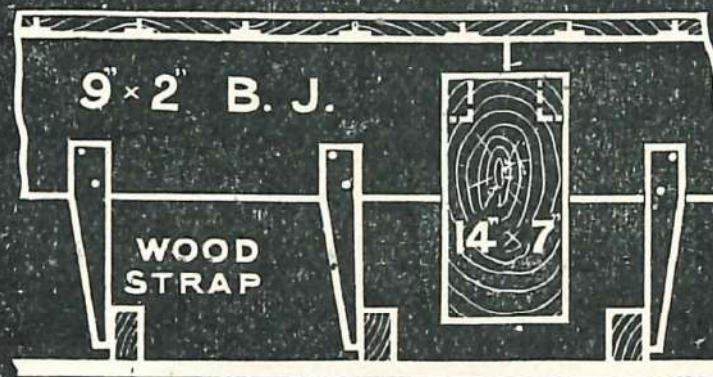
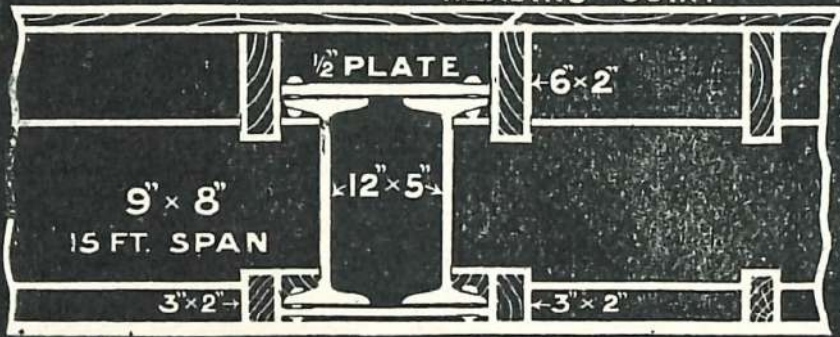


# CARPENTRY DOUBLE AND FRAMED FLOORS

1/4 FLOOR BOARDS



SPLAYED HEADING JOINT



CROSS SPLAYD. TONGU'D



HEADING JOINTS



REBATED

TWICE R G&T.

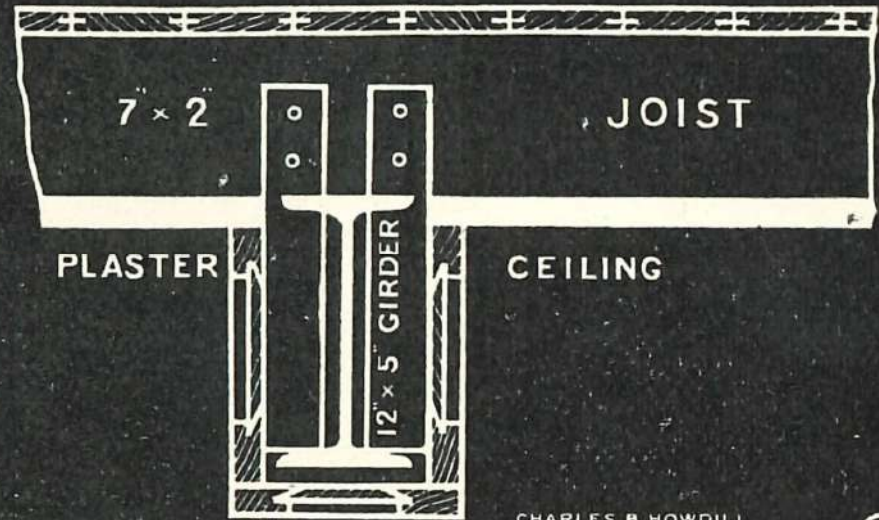
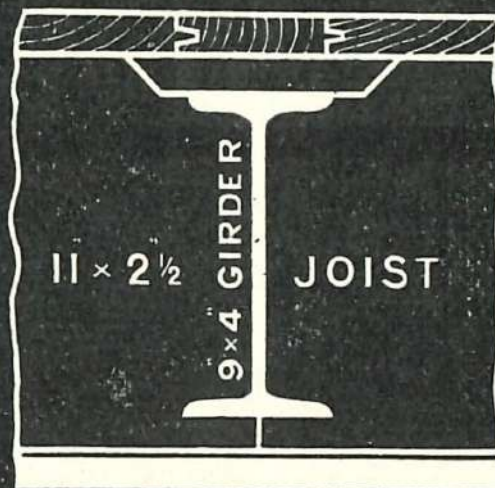
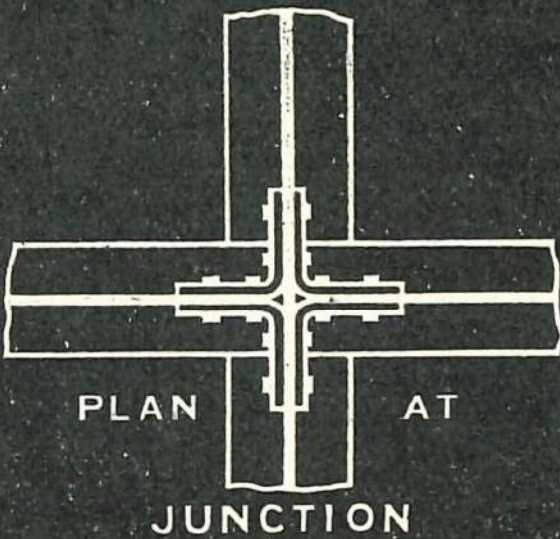
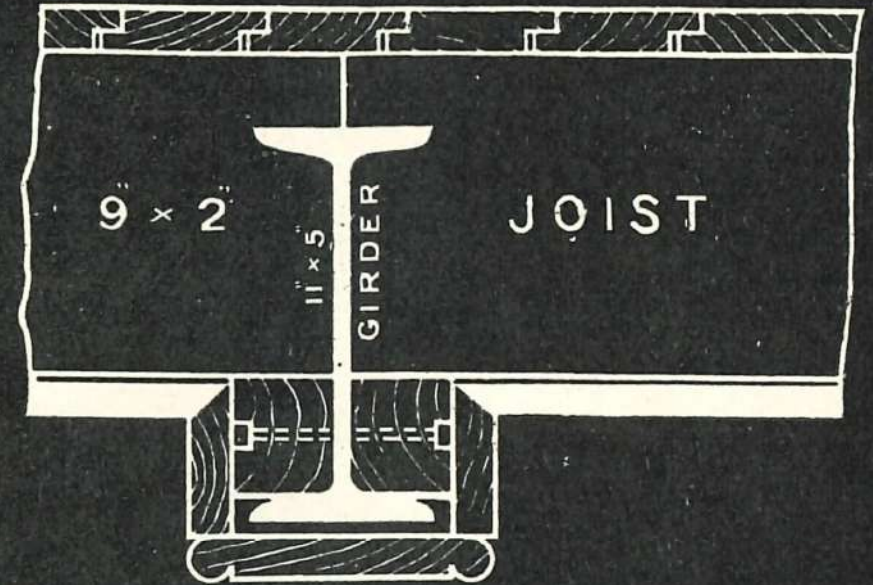
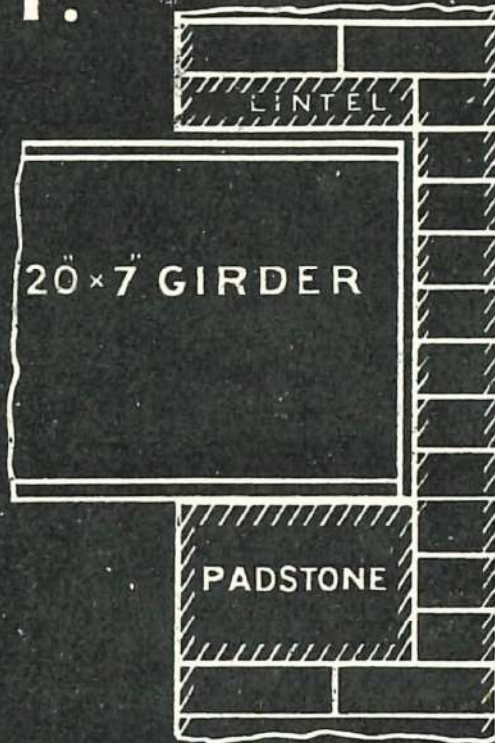
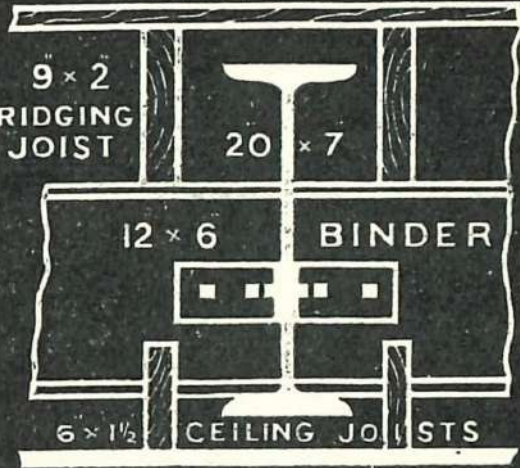




# CARPENTRY.

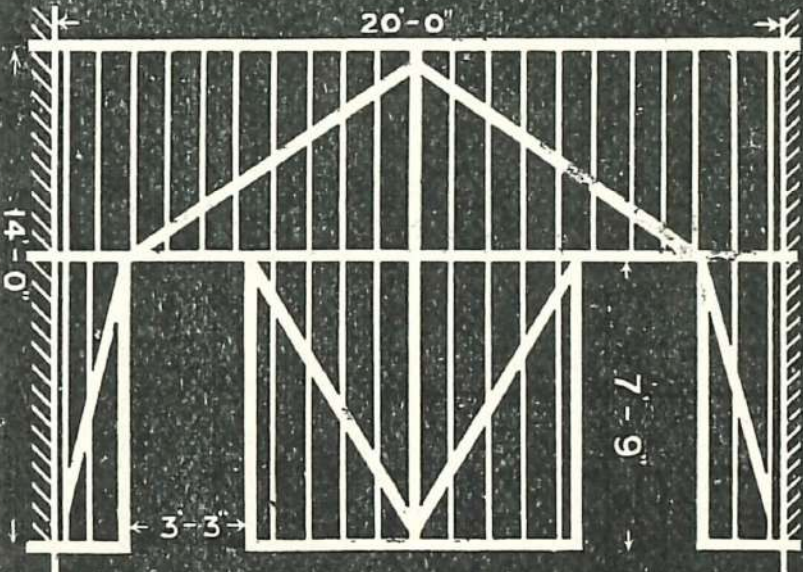
# FLOORS.

1/4 FLOOR BOARDS

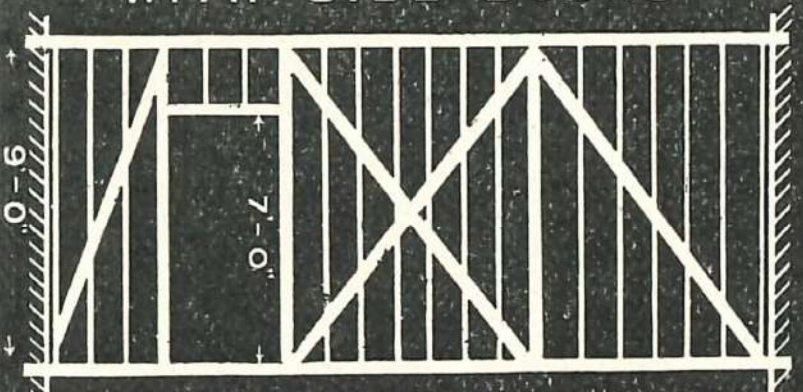




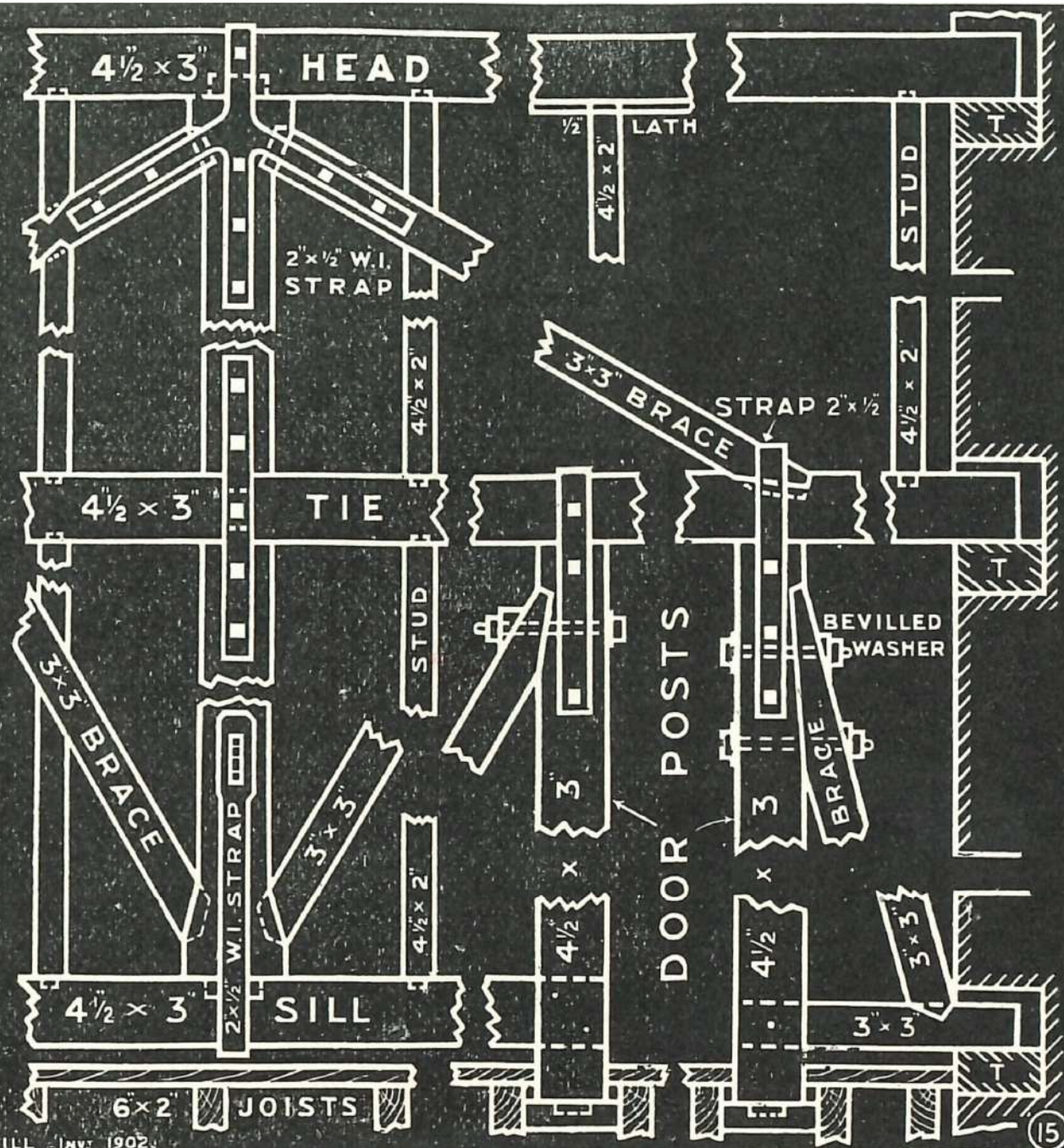
# PARTITIONS.



FRAMED PARTITION WITH SIDE DOORS



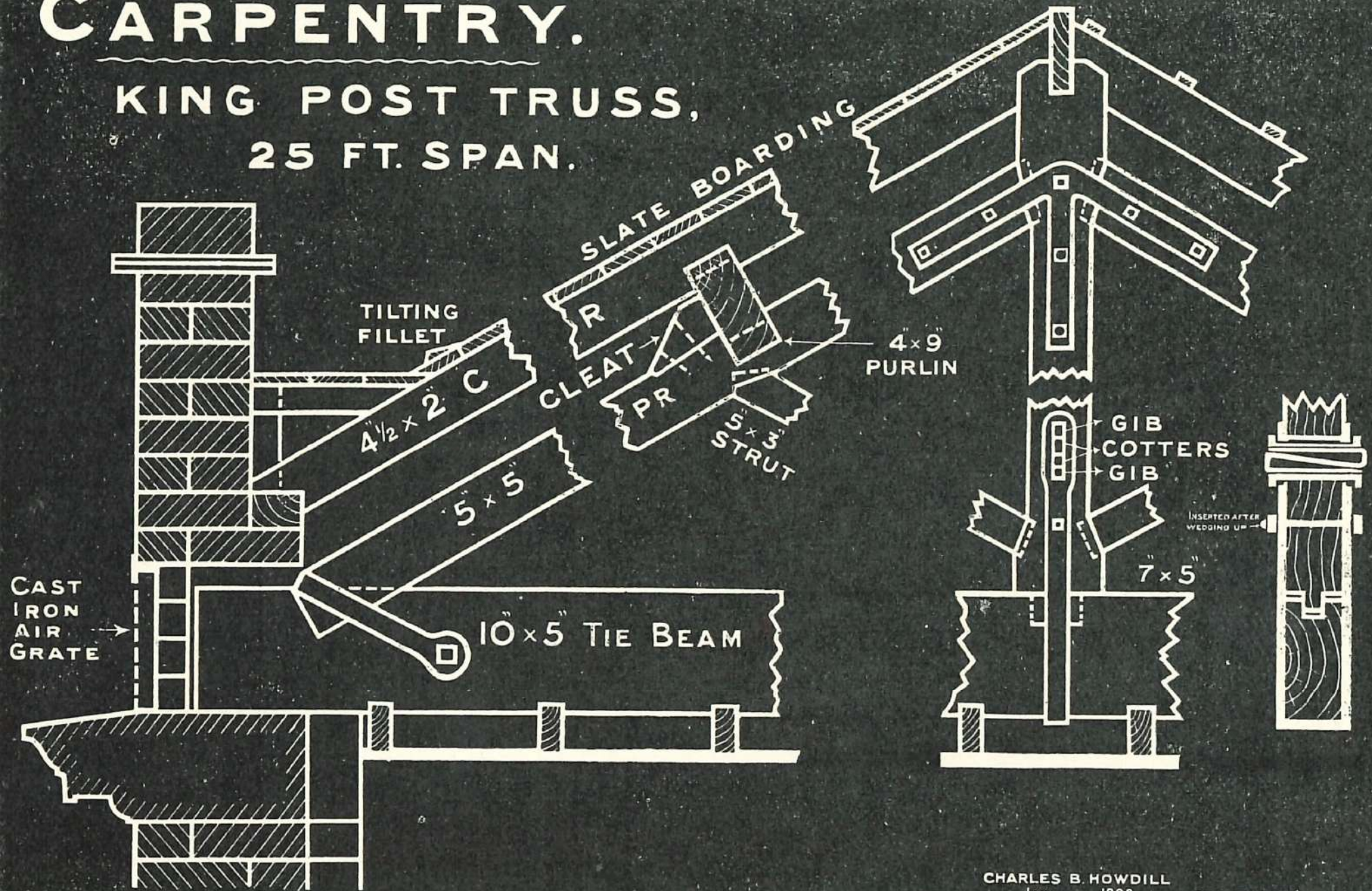
TRUSSED FOR IRREGULAR OPENING.





# CARPENTRY.

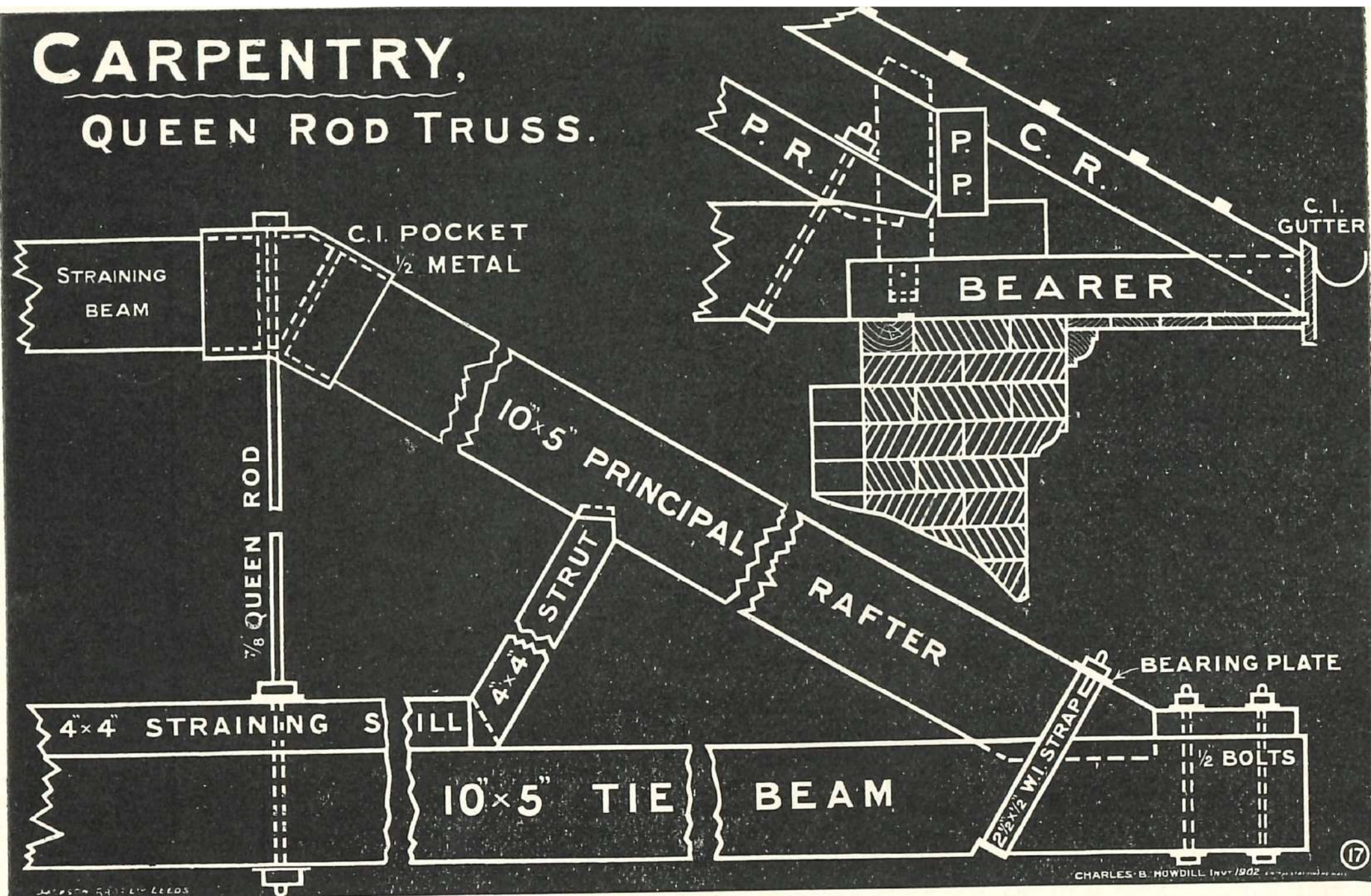
## KING POST TRUSS, 25 FT. SPAN.





# CARPENTRY.

## QUEEN ROD TRUSS.



CHARLES B. HOWDILL INVT 1902

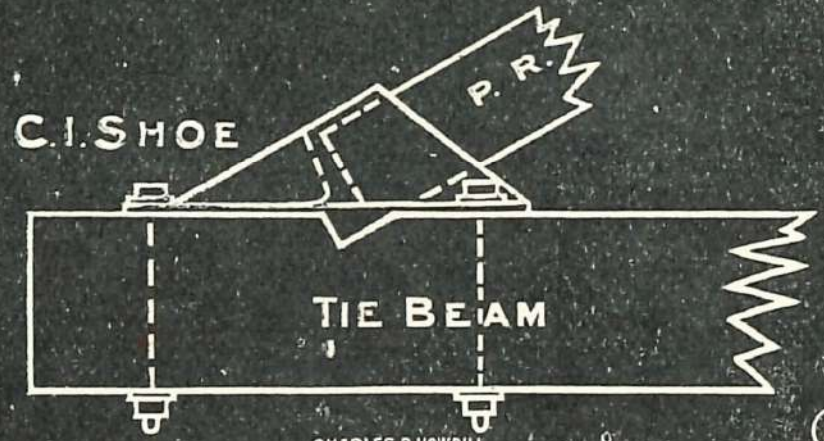
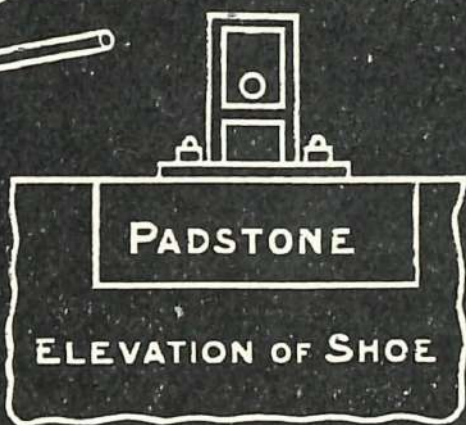
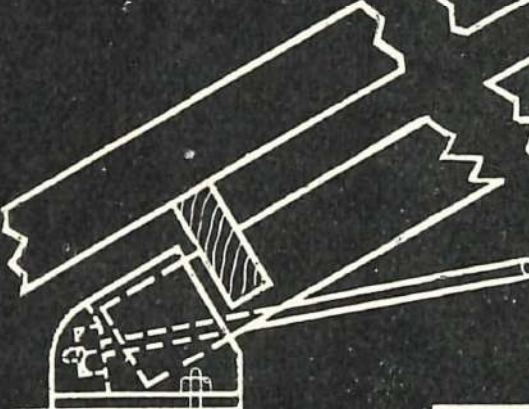
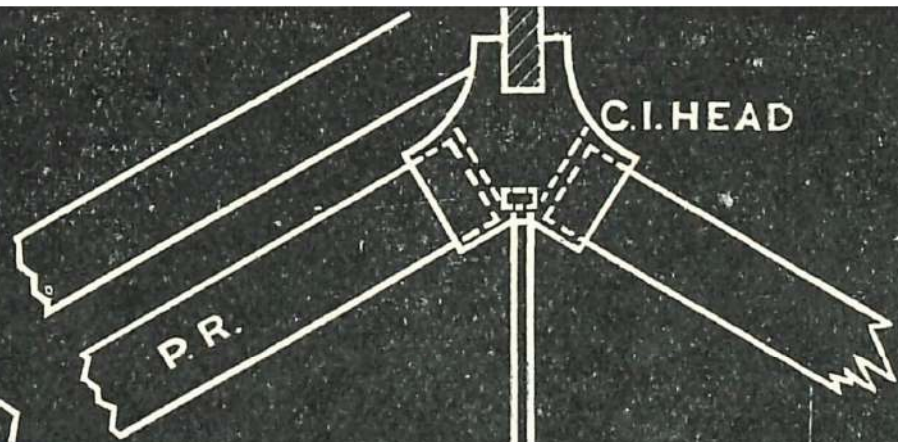
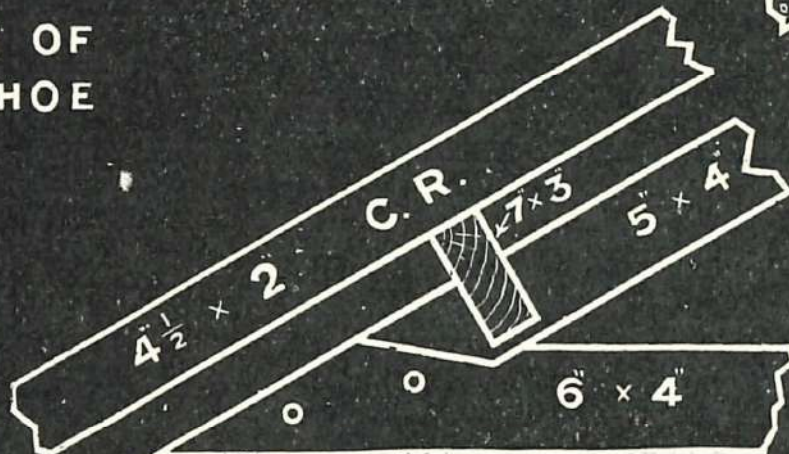
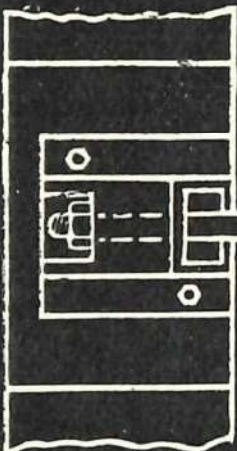


# CARPENTRY.

## GERMAN ROOF TRUSS

25 FEET SPAN

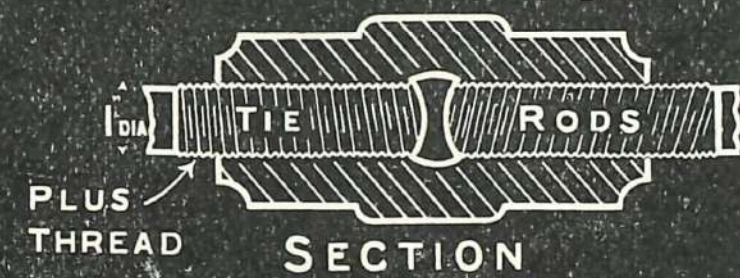
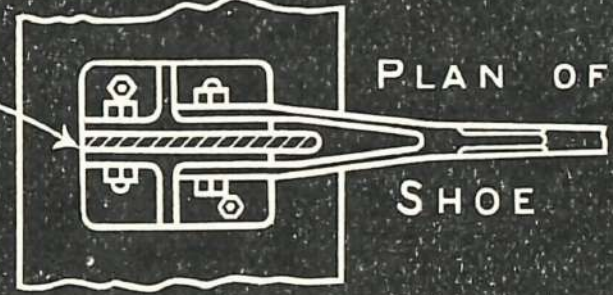
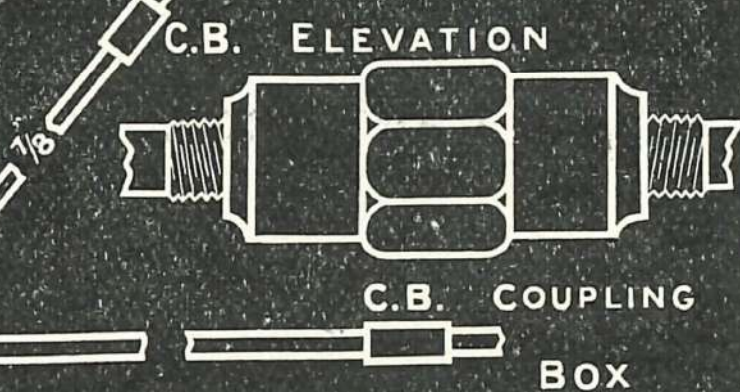
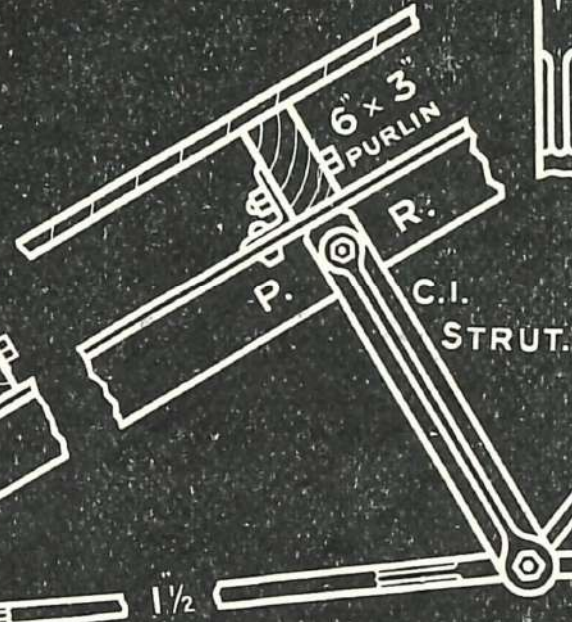
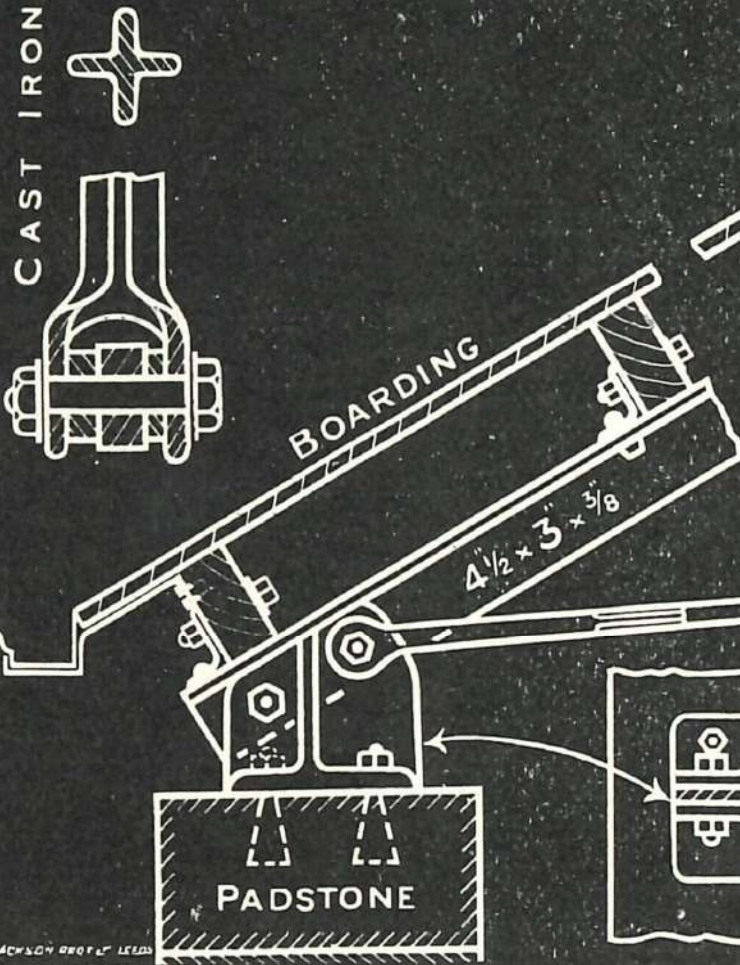
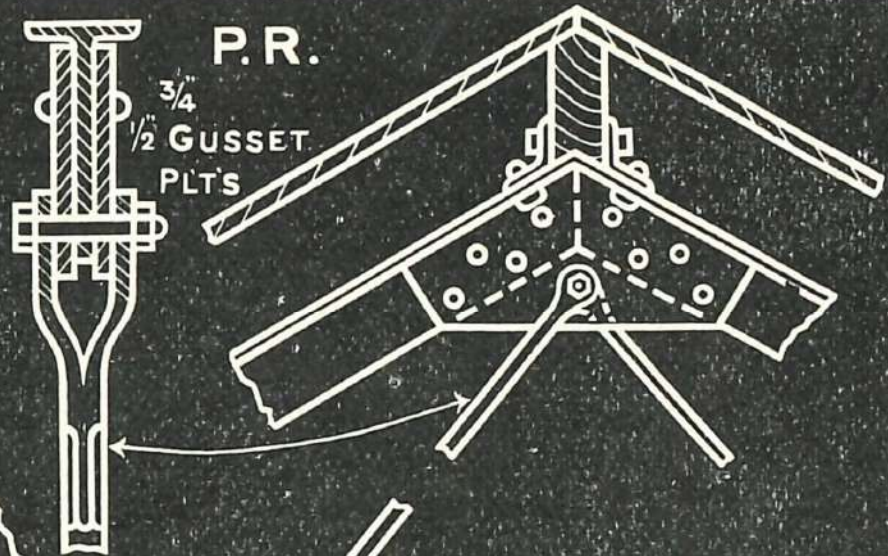
PLAN OF SHOE





# IRON ROOF.

30 FT. SPAN.



CHARLES B. HOWDILL  
Inv. 1902

ENTR AT STATIONERS HALL



# JOINERY.



RB. BT & FTR. GT & MTR. DBL GT & MTR. BUTT HOUSED SINGLE SHLDR DBLE SHLDR DOVETAIL



RB. BT. & BEAD RB. BT. SF. BEAD



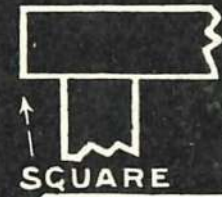
MT. GT. & BEAD



PLAIN MTR. MTR & FTHR. MTR & BUTT. MTR & RBT.



KEYED



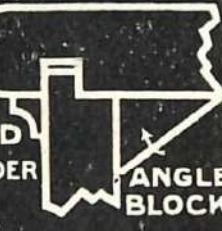
SQUARE



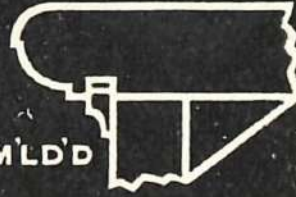
CHAMFERED



ROUNDED



RND'D COVE UNDER ANGLE BLOCK

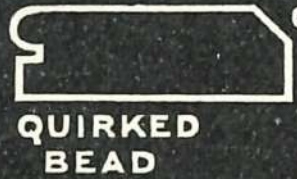


MLD'D

S  
G  
N  
I  
S  
O  
N



FILLET  
CYMA RECTA  
CYMA REVERSA  
FASCIA  
OVOLO  
CAVETTO  
FRIEZE  
ARCHITRAVE



CHAMFERED  
QUIRKED BEAD



SCOTIA



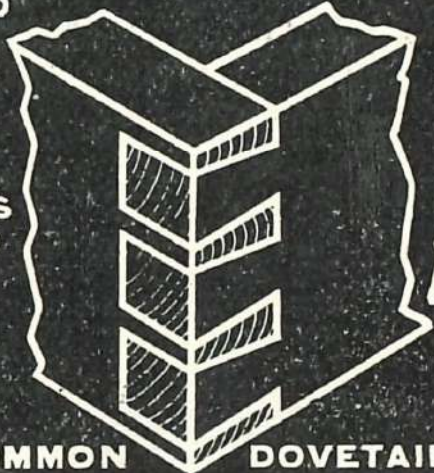
MATCH BOARDING

G & T.

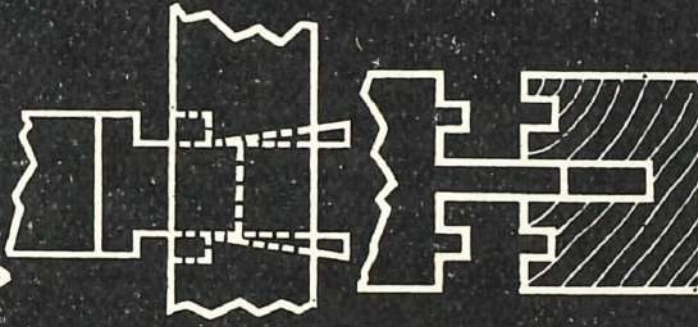
DOVETAIL KEY'D

P & T. V'D

G & T. BEADED



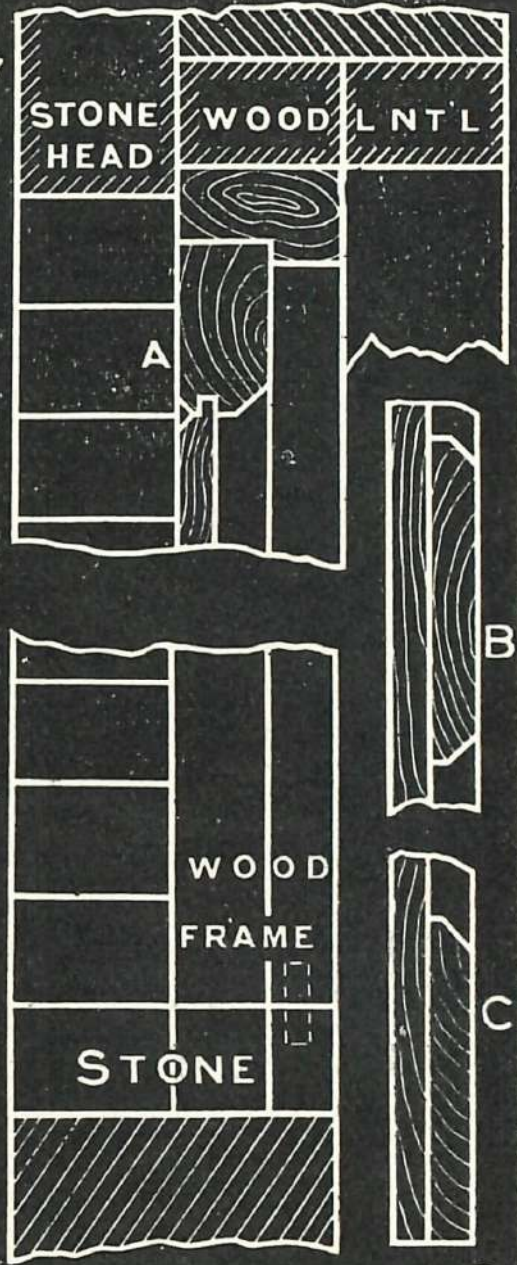
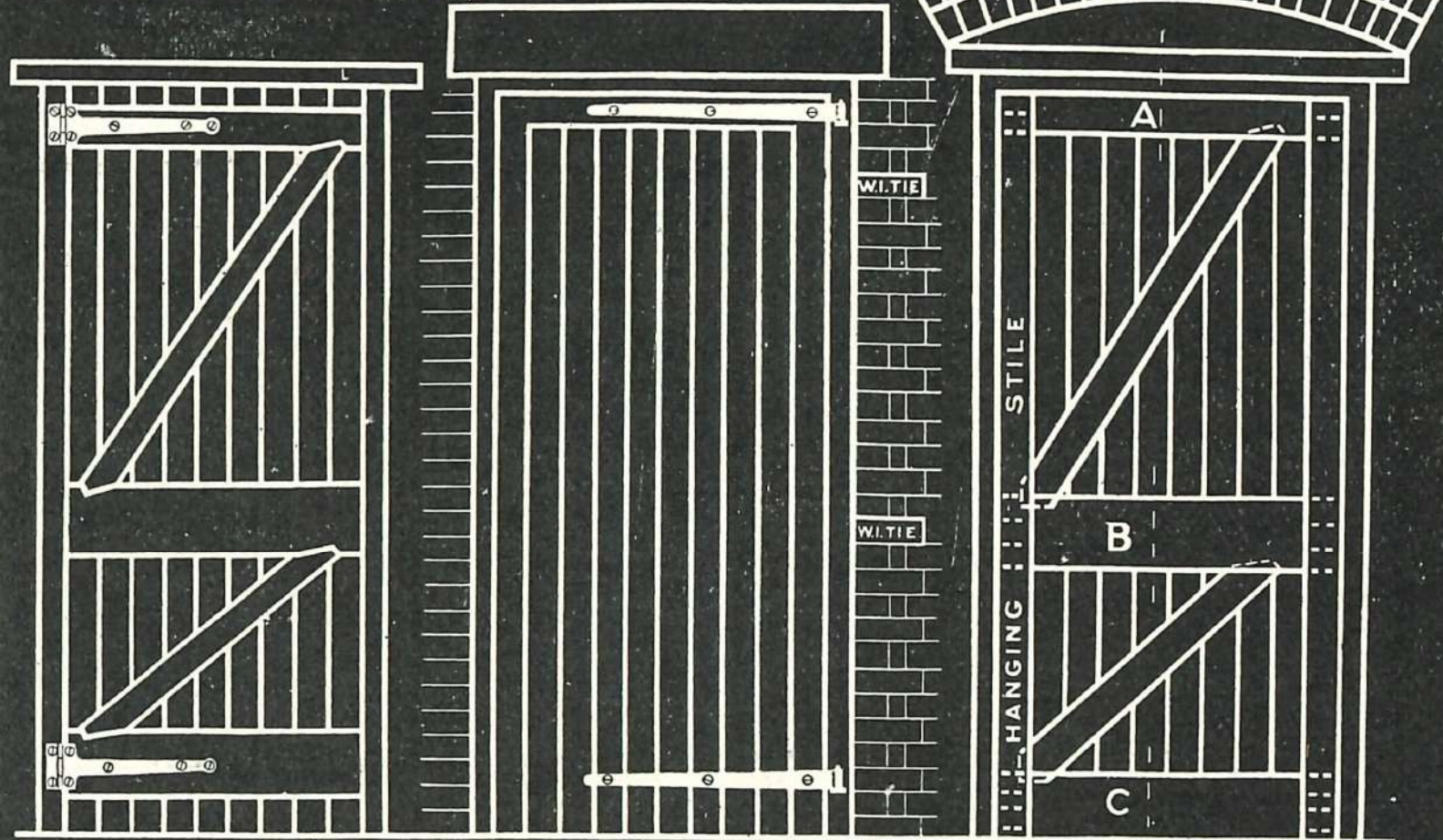
COMMON DOVETAIL



HAUNCHED TENON



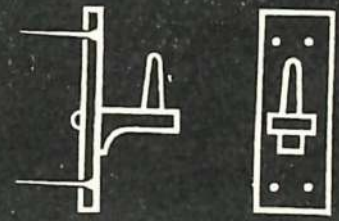
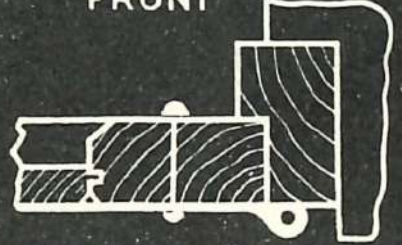
# JOINERY. DOORS.



LEDGED AND BRACED BACK

FRAMED FRONT AND

BRACED BACK

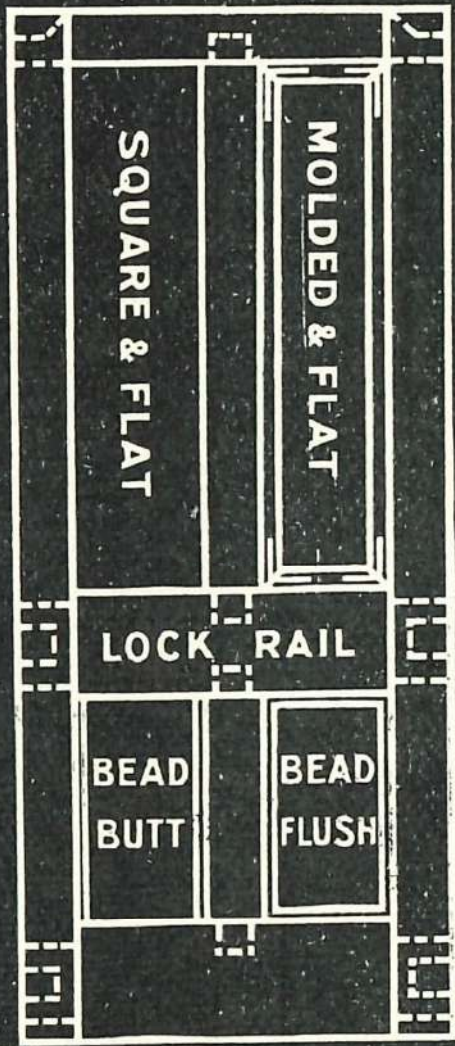


JACKSON BROS LY LEEDS

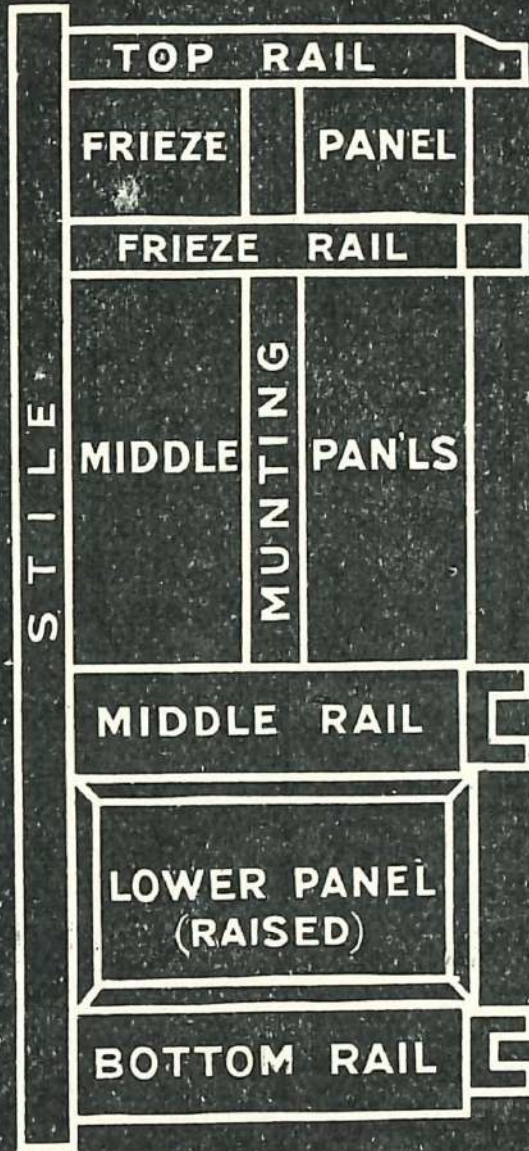
CHARLES B. HOWDILL  
1887 1902  
ENTR. STATIONERS HALL



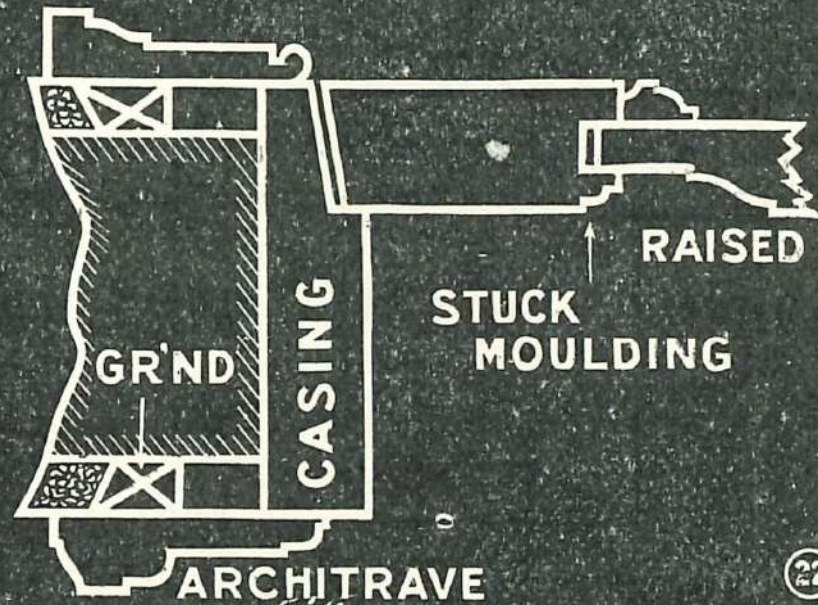
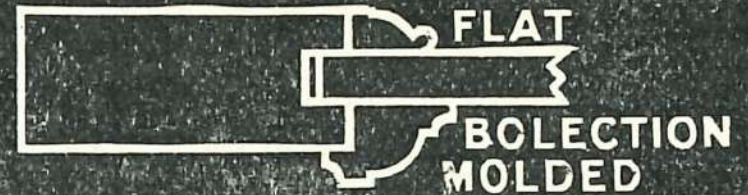
# JOINERY, DOORS.



FOUR PANEL'D

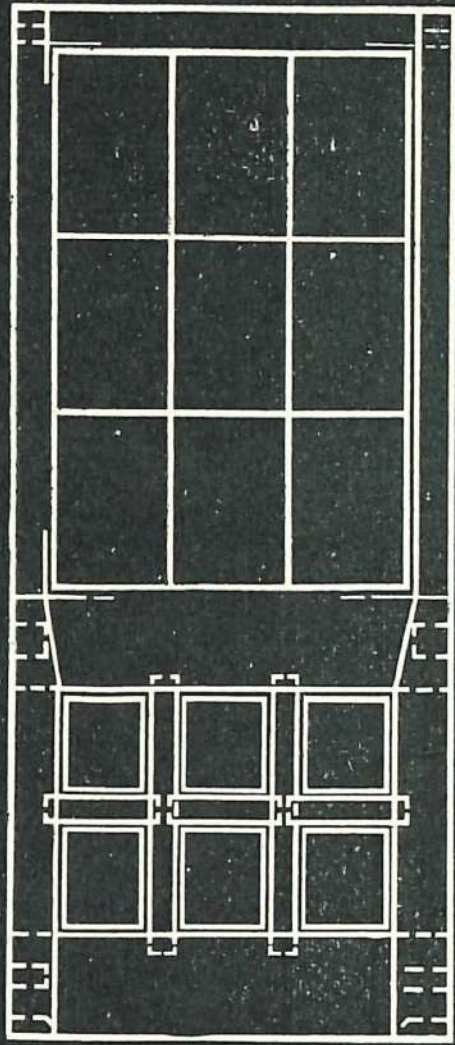


FIVE PANEL'D





# JOINERY.



SASH DOOR

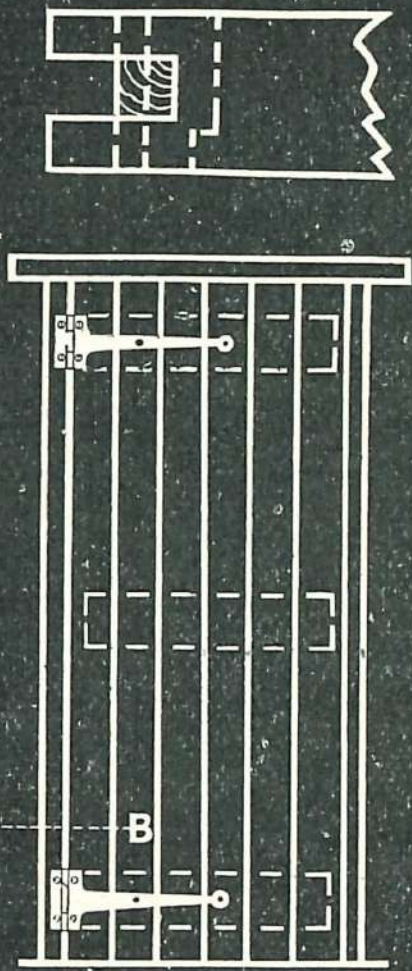


JACKSON BROS. LTD. LEEDS.



STUCK MOLDED

BEAD BAR



LEDGED DOOR

A B

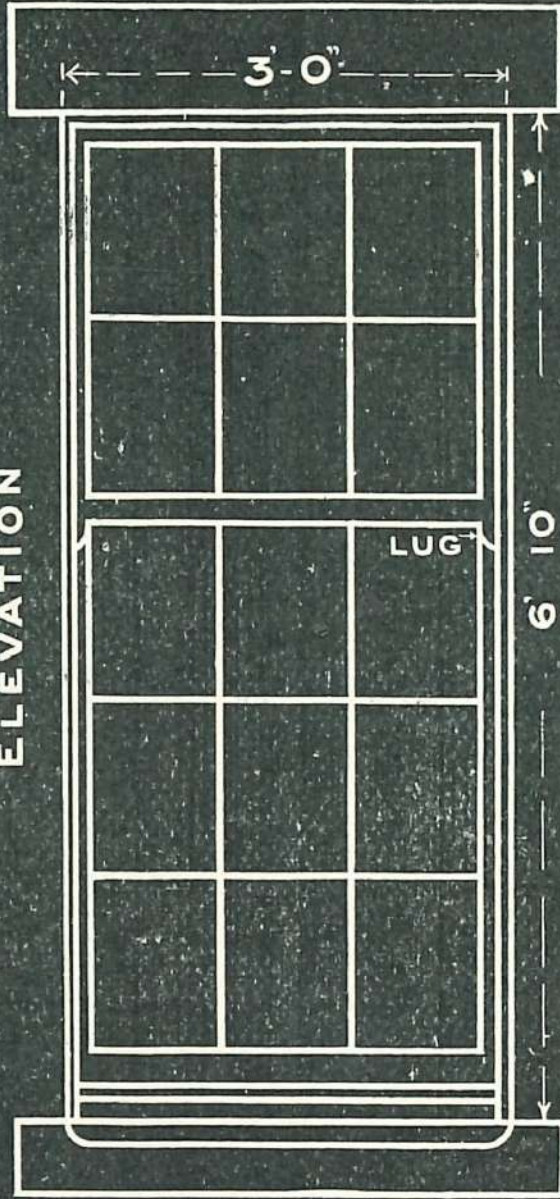


PLAN A.B.

SECTION



DOUBLE HUNG SASH WINDOW



ELEVATION

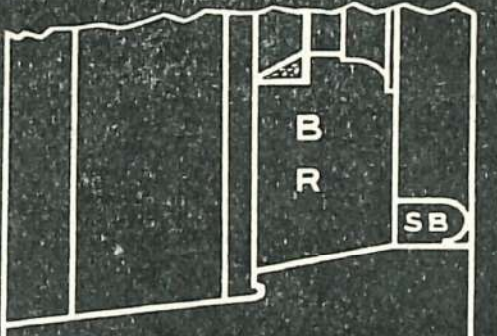
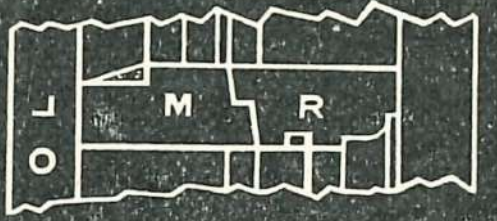
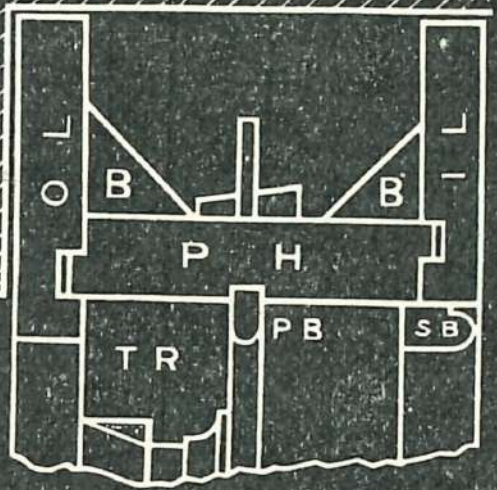
CHARLES B. HOWDILL  
INVT - 1902.

ENTR. STATIONERS HALL



# JOINERY. WINDOWS.

6  
10

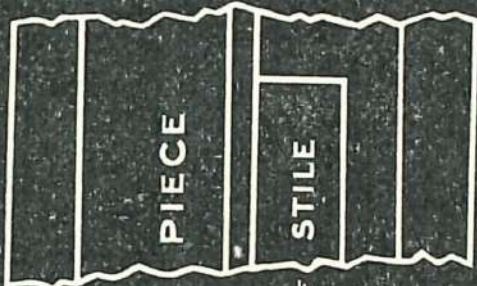
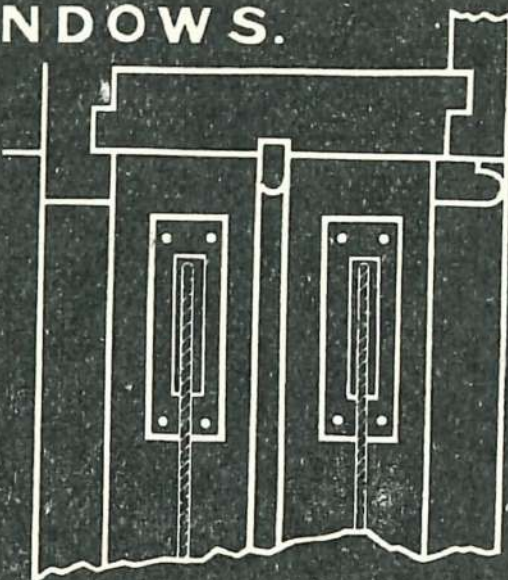


OAK SILL

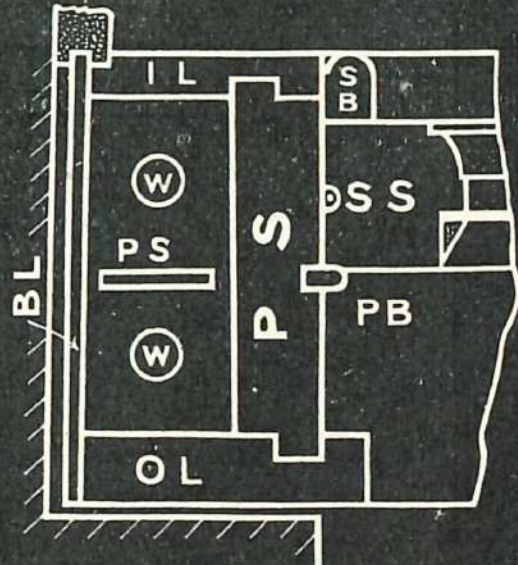
WATER BAR

WB

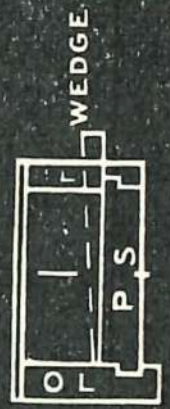
SECTION



PULLEY STILE



PLAN OF JAMB



DETAILS



FIXING OF SASH CORD

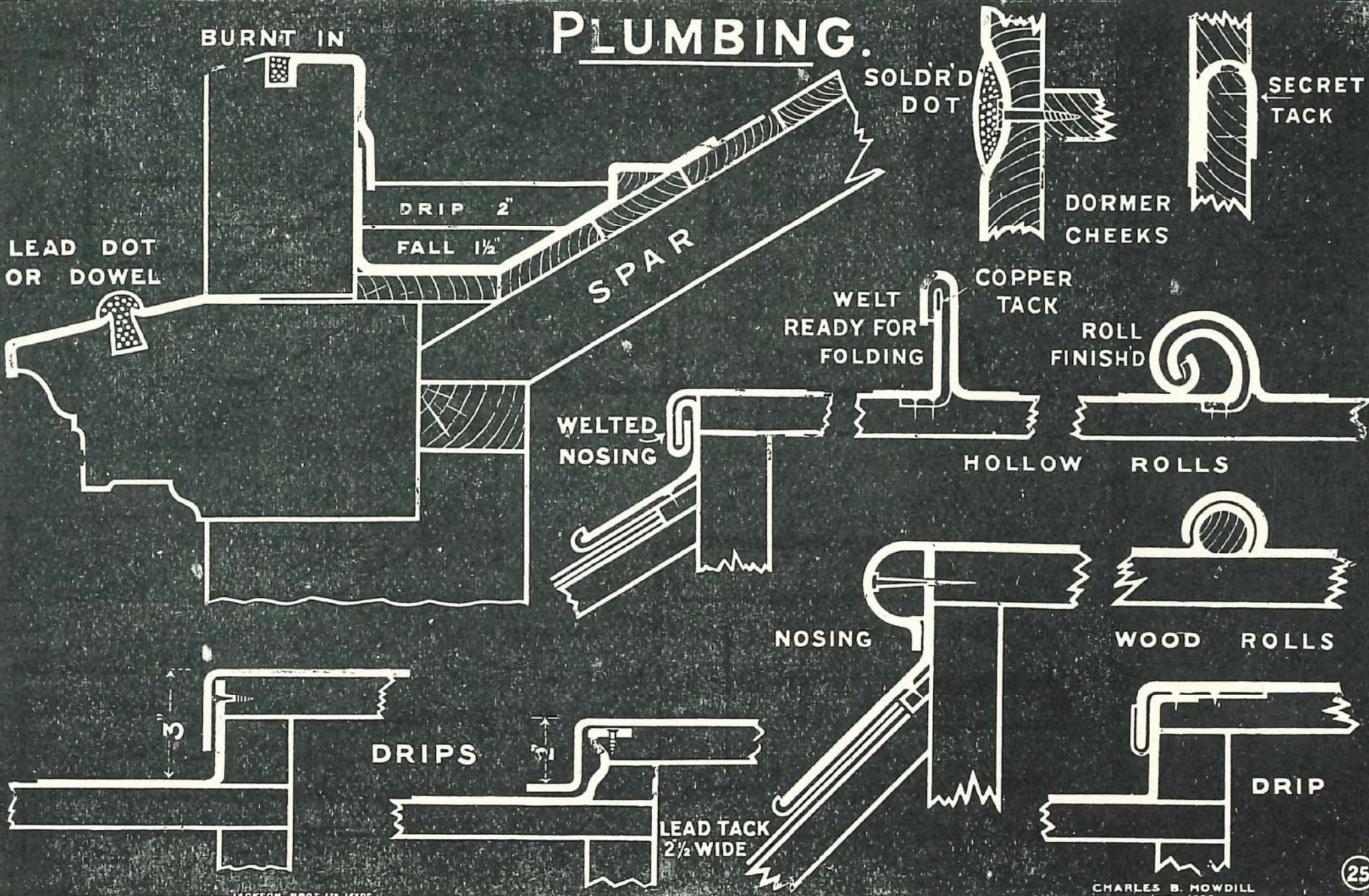


SASH BARS





# PLUMBING.

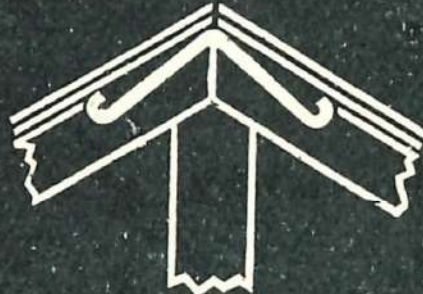


JACKSON BROS 112 LEEDS

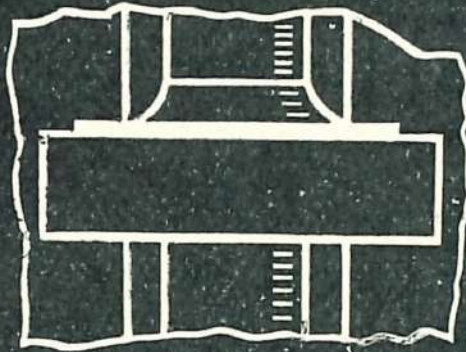
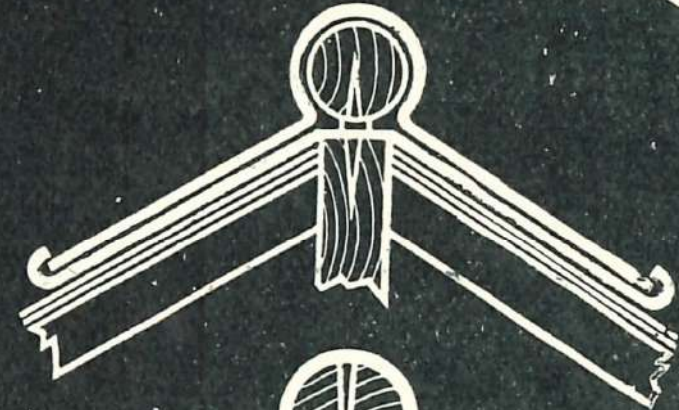
CHARLES B. HOWDILL  
INVT 1902 AMERICAN STATUEN'S HALL



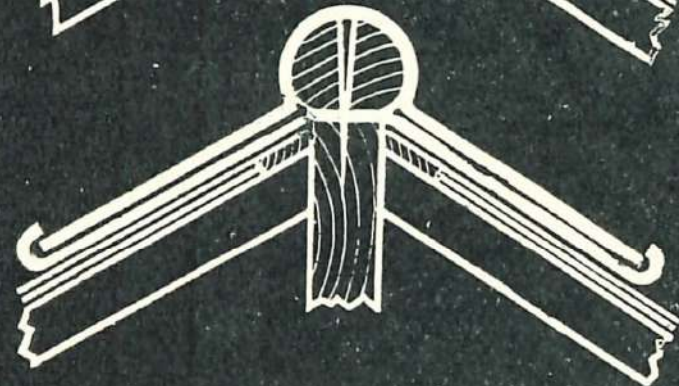
# PLUMBING.



SECRET HIP



BLOCK JOINT



RIDGES AND HIPS

WIPED

JOINT

BLOWN

JOINT



FINISHED

RIDGE

METHOD OF FIXING

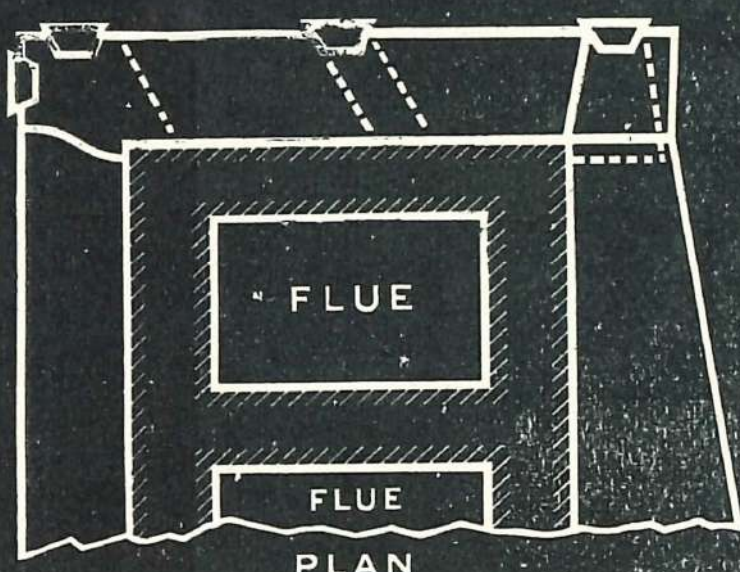
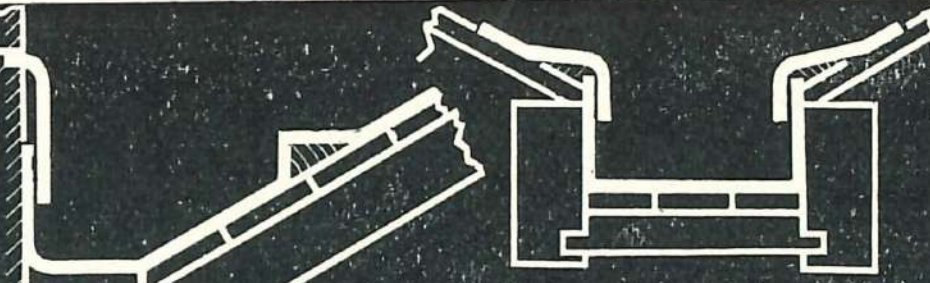
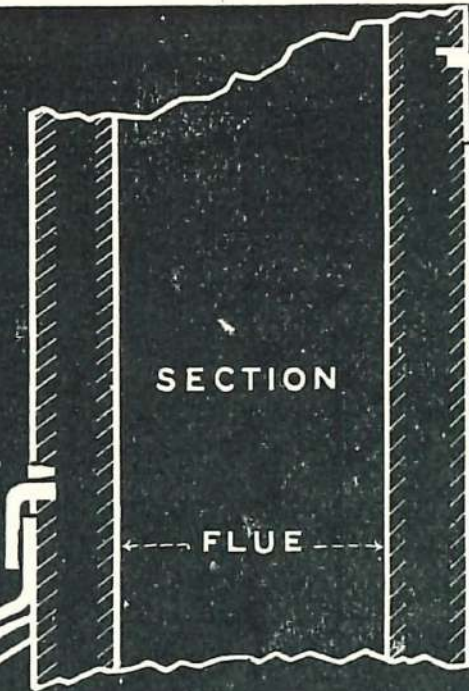
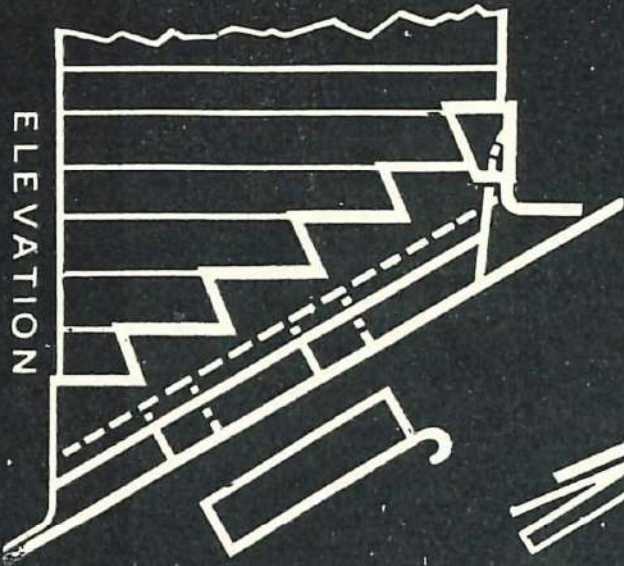


RIDGE



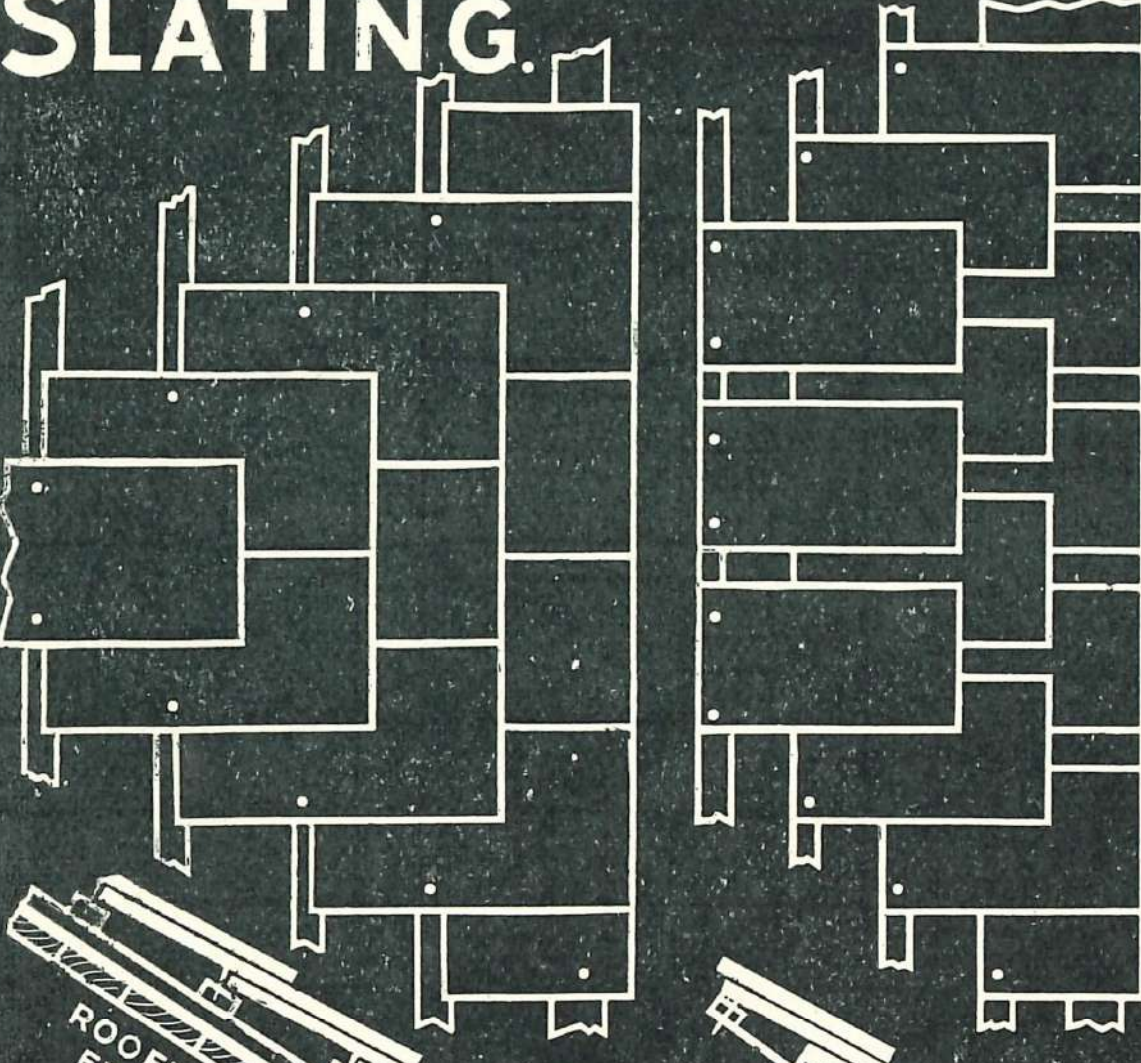
# PLUMBING.

## CHIMNEY FLASHINGS





# SLATING.



COUNTRESS SLATING  
CENTRE NAILED

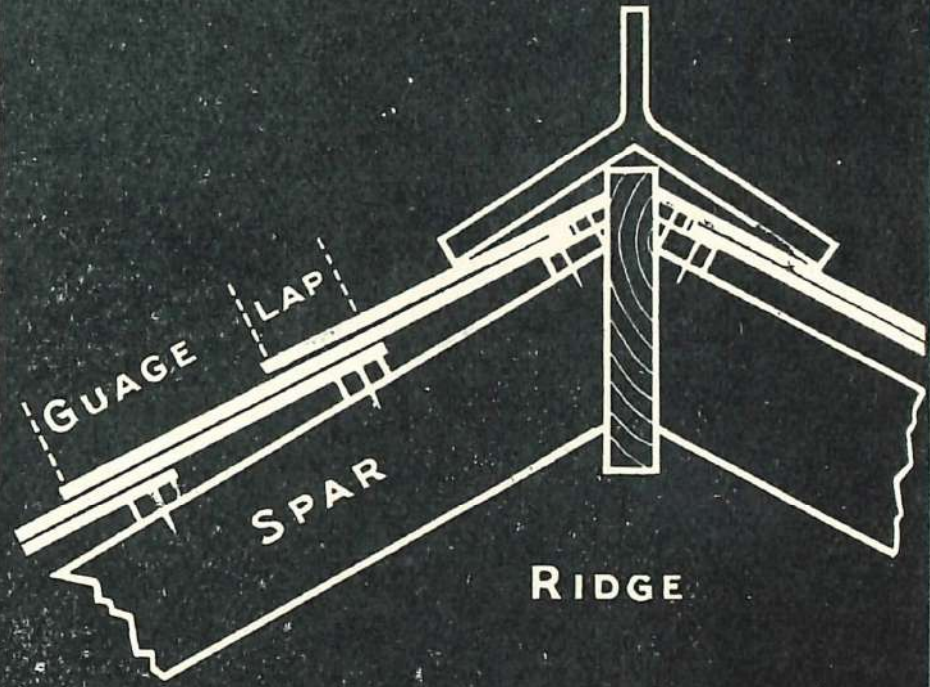
JACKSON BROS LTD LEEDS

OPEN SLATING  
HEAD NAILED

TILTING  
FILLET

# SIZES OF SLATES.

LADIES	16" x 8"
VISCOUNTESSES	18" x 10"
COUNTESSES	20" x 10"
DUCHESSES	24" x 12"



CHARLES B. HOWDILL  
INVT 1902.

ENTY 47 STATIONERS HALL