

# 1930 LINCOLN BRICKS DESIGN BOOK

For 5/8-in. Logs

9 ½ in. wide by 11 in. tall

12 Numbered Pages

# LINCOLN

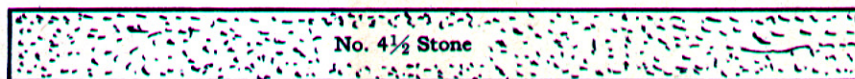
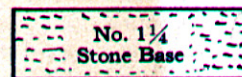
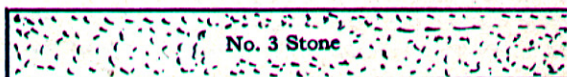
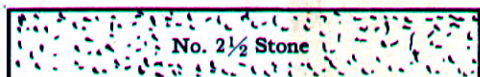
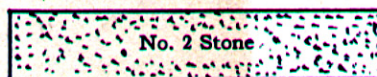
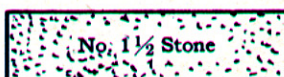
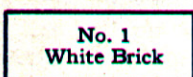
# BRICKS

PATENT APPLIED FOR

DESIGN BOOK COPYRIGHT, 1930—J. L. W., Inc.

MINIATURE CONSTRUCTION MATERIAL . . . ERECTED WITH MORTAR . . . LIKE REAL BUILDINGS

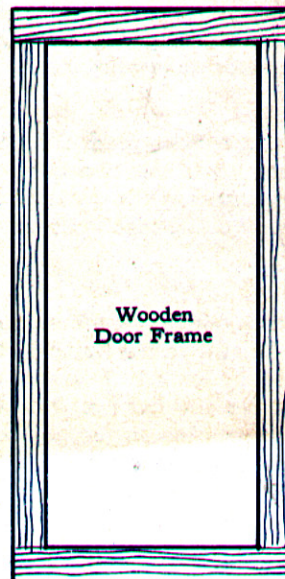
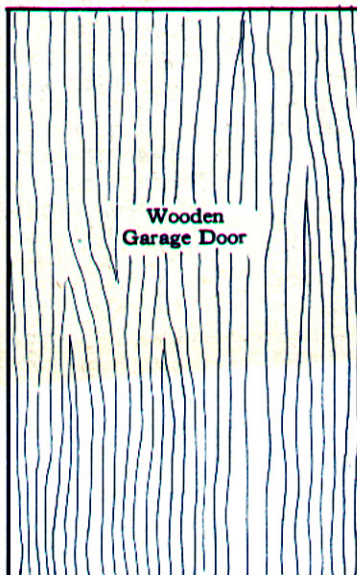
THE BRICKS, STONES, DOORS AND FRAMES—ACTUAL SIZE—ARE SHOWN BELOW



## STANDARD BRICK OUTFIT CONSISTS OF

322 Pieces as follows:

- 4 Foundation Bases
- 1 Tube Lincoln Mortar
- 200 No. 1 Red Bricks
- 50 No. 1/2 Red Bricks
- 20 No. 1 White Bricks
- 10 No. 1/2 White Bricks
- 2 No. 4 1/2 Stones
- 3 No. 3 Stones
- 3 No. 2 1/2 Stones
- 3 No. 2 Stones
- 3 No. 1 1/2 Stones
- 2 No. 1 1/4 Stone Bases
- 2 Small Door Frames
- 3 Small Window Frames
- 2 Garage Doors
- 2 Pieces Tape
- 1 Sloping Roof
- 6 Cellophane Windows
- 1 Sheet with Cut-out Doors, Signs,  
Flat Roof and Window Frames
- 1 Gas Pump
- 1 Trowel
- 1 Dutch Lantern
- 1 Design Book



With this outfit you can build your own filling station, garage,  
bungalow, railroad station, silo, fence, walk, etc.

Manufactured by J. L. Wright, Inc., Room 1443 Merchandise Mart  
Chicago, U.S.A. Makers of LINCOLN LOGS

## LINCOLN MORTAR

is a harmless cement  
that will hold the  
bricks, stones, logs,  
etc., firmly and per-  
manently if desired.  
But it may be quickly  
dissolved in warm  
water or chipped off  
so the bricks, stones  
and logs can be used  
over and over again.

# PLANS AND SPECIFICATIONS FOR LINCOLN BRICKS

## A MOST FASCINATING CONSTRUCTION TOY

### NOTE TO BUILDERS

This book contains plans and drawings for four types of buildings made of Lincoln Bricks together with several drawings showing the use of the bricks with Lincoln Logs and other toys. The LINCOLN MORTAR is a harmless cement that will hold the bricks and stones firmly and permanently together if desired, but this Mortar may be either quickly dissolved in warm water or chipped off so the bricks and stones can be used over and over again for other buildings.

### READ DIRECTIONS

Before starting to build, read the directions and look over the plans carefully. When you understand the principle you will find it very easy to erect any one of the buildings. Time is required to do anything right, therefore do not see how fast you can work, but go slowly and see how perfectly you can lay each brick and stone. It is suggested that beginners first build the Filling Station shown on page 4, PLACING THE STONES AND SEVERAL ROWS OF BRICKS IN POSITION BEFORE CEMENTING THEM TOGETHER, THEN REBUILD, USING THE MORTAR.

### FOUNDATION PLAN

After deciding which building you are going to make, turn to the page showing the plans and specifications for that structure and note the lay-out of the foundation plan. Then lay the cardboard base with the full size foundation plan printed on it, on your table or other hard, flat surface, with the plan face up. If desired, the cardboard base may be tacked on a piece of wood of the proper size, to make it more rigid. The portion of the base outside the building may be colored with crayons or paint to represent grass, roads, sidewalks, etc.

### FOUNDATION STONES, DOORS AND WINDOWS

Now look at the specifications and remove from the box the required number of foundation stones, and the necessary door and window frames. Next cement these frames to the cardboard cutouts, using the Lincoln Mortar. Then cement cellophane windows to back of sash to represent glass.

### USE OF MORTAR

When you are sure you know in what position the foundation stones and doors are to be set, apply the Mortar to the bottom of the door frame and foundation stones as shown in figure 1. Press the tube from the bottom and fold as emptied. After you have set the stones and doors, so that they cover the foundation plan on the cardboard base, press them firmly in place. **BE SURE TO KEEP THE CAP ON THE TUBE OF LINCOLN MORTAR WHEN IT IS NOT IN USE.**

### LAYING THE BRICKS

The bricks should be laid flush with the OUTER EDGE of the stones. Apply just enough LINCOLN MORTAR on the bottom and one end of each brick so that when pressed firmly in place a little of the Mortar is forced out between the bricks. **YOU WILL NOTE THAT THE END OR CORNER BRICKS SHOULD ALWAYS BE LAID LAST. AFTER THE EXCESS MORTAR IS THOROUGHLY DRY,** trim it off with trowel as shown in figure 3. Figures 5, 6 and 7 show the order in which the stones and bricks are laid for the Railroad Station illustrated on page 5.

### ROOFS

The Sloping Roof is made by folding as indicated on the cutout and in figure 10. Then cement edges together with the LINCOLN MORTAR, after which the inside brace should be put in place. When dry, the roof is placed on the walls.

When the Flat Cardboard Roof is used, place it over next to the top row of bricks and then lay the top row so that the bricks hold the roof in place as well as being cemented to the row below. See figure 9.

### HOW TO TAKE THE BUILDING APART

Most children like to play with the building they have made and to use it in connection with some other toys. Whenever you desire to use the material over again, first break the bricks and stones into small sections. Warm water will wash off the LINCOLN MORTAR without damage to the bricks and stones which should then be placed on a clean surface and allowed to dry. The dry LINCOLN MORTAR may also be chipped off, each piece separately if one prefers not to use water.

### HOW TO GET ADDITIONAL THRILLS FROM YOUR LINCOLN BRICKS

In addition to the fun of building you can obtain endless pleasure in using the parts in connection with your Electric Train, your Dolls, your Autos and Wagons. Many builders haul the bricks, stones, window frames, etc., on their Freight Trains and then transfer them by trucks to the building site. Think of the fun you can have even before you start to build. And then the big thrill of being able to make your own Railroad Station for your Train, or a Doll's Residence with Furniture as shown on page 8, or a Garage or Filling Station for your Automobiles.

### COMBINED WITH LINCOLN LOGS

You should add a set of LINCOLN LOGS, and be able to build a Log Cabin with a brick and stone foundation, fireplace, chimney, etc., or a Rocky Mountain Filling Station with log rafters and a wooden roof as shown on the back page of this Design Book. LINCOLN MORTAR makes excellent plastering to hold the logs together and with it the cut-out doors and windows may be cemented to the inside of the cabins. Logs may be cemented to bricks or bricks to logs.

### IN THE SCHOOL ROOM

Not only boys and girls but also older students employ Lincoln Bricks to construct models of actual buildings, as explained on page 10, where one will also find a description, and illustrations, of the various "bonds" now in common use in actual bricklaying.

### SUPPLEMENTING STEEL CONSTRUCTION TOYS

On page 11 you will find suggestions on the use of Lincoln Bricks in connection with Meccano and Erector Sets. As in modern skyscraper construction the steel frame-work is placed first and the structure completed with Lincoln Bricks.

### TUBES OF LINCOLN MORTAR AND EXTRA BUILDING MATERIAL

All parts of Lincoln Brick and Log outfits can be bought separately. You can get additional bricks in lots of 50, 100, 200 or 500; logs and stones in all sizes, windows, doors, roofs and bases, as well as TUBES OF LINCOLN MORTAR. If your dealer cannot supply you send to us for a price list.

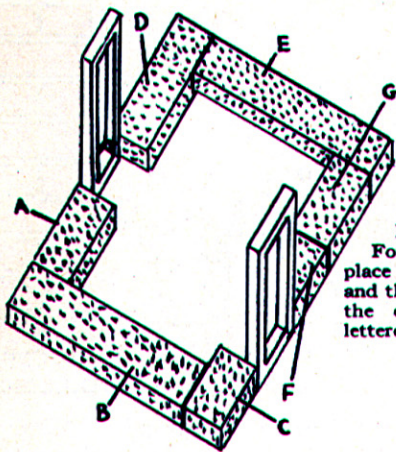
### PRIZE FOR ORIGINAL IDEAS

There are any number of possible designs in addition to the ones we have illustrated and a TUBE OF LINCOLN MORTAR will be mailed free to any builder who sends us original photographs or drawings.

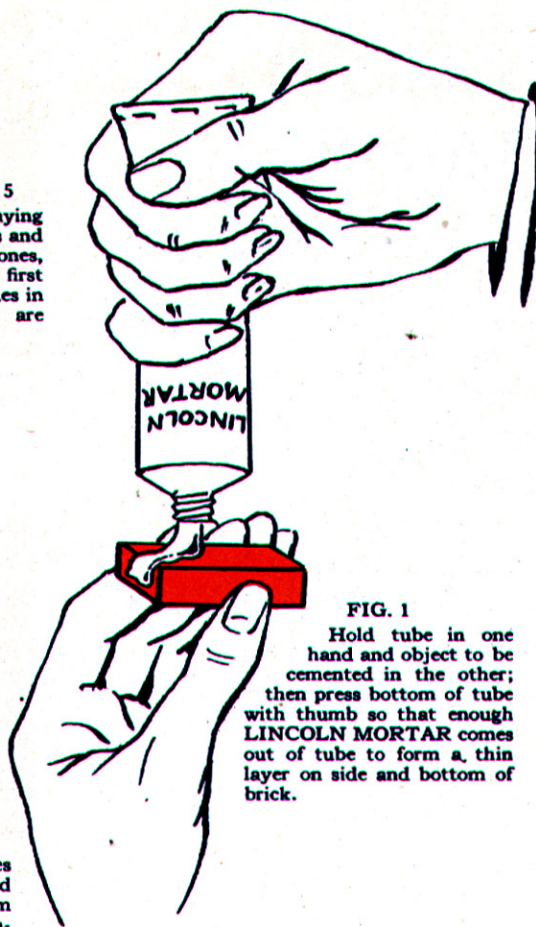
**J. L. WRIGHT, INC.**

1443 MERCHANDISE MART

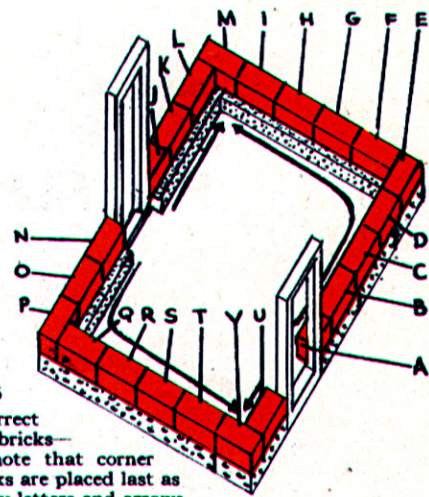
CHICAGO, ILLINOIS



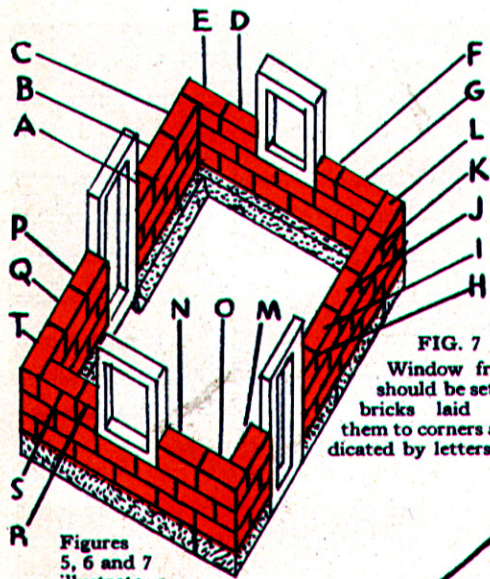
**FIG. 5**  
When laying Door frames and Foundation Stones, place the doors first and then the stones in the order they are lettered.



**FIG. 1**  
Hold tube in one hand and object to be cemented in the other; then press bottom of tube with thumb so that enough LINCOLN MORTAR comes out of tube to form a thin layer on side and bottom of brick.



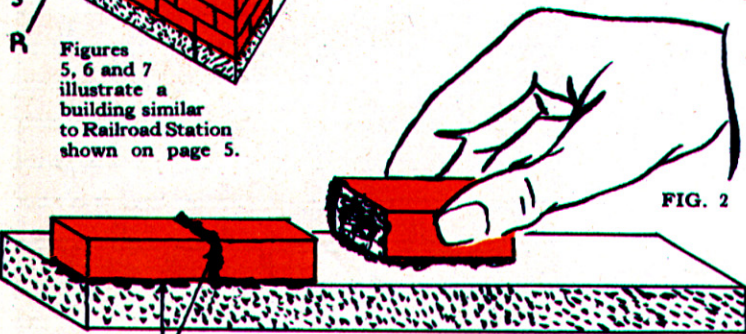
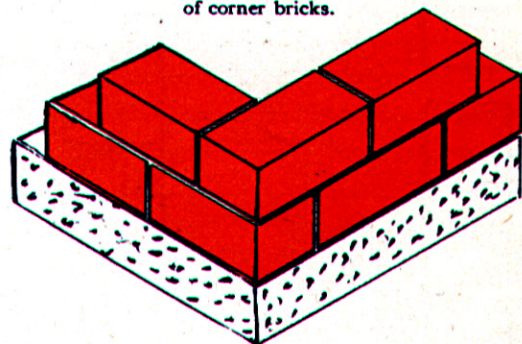
**FIG. 6**  
Showing correct way to lay bricks—You will note that corner or end bricks are placed last as indicated by letters and arrows.



**FIG. 7**  
Window frames should be set and bricks laid from them to corners as indicated by letters.

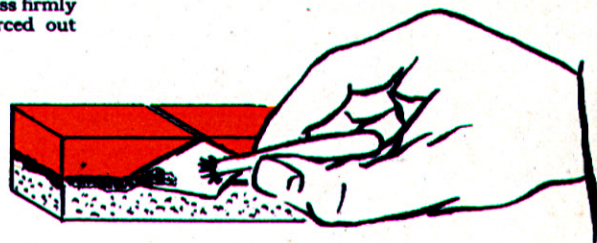
Figures 5, 6 and 7 illustrate a building similar to Railroad Station shown on page 5.

**FIG. 8**  
Showing appearance of corner bricks.



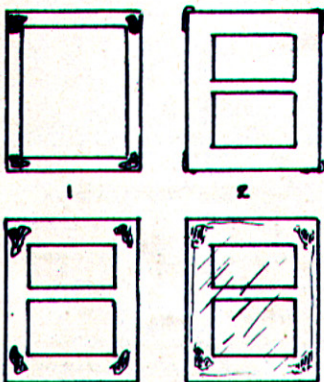
Hold brick as shown and when in proper alignment, press firmly so excess mortar is forced out between bricks.

**FIG. 2**



**FIG. 3**  
After excess mortar dries, take trowel and trim it off as indicated above.

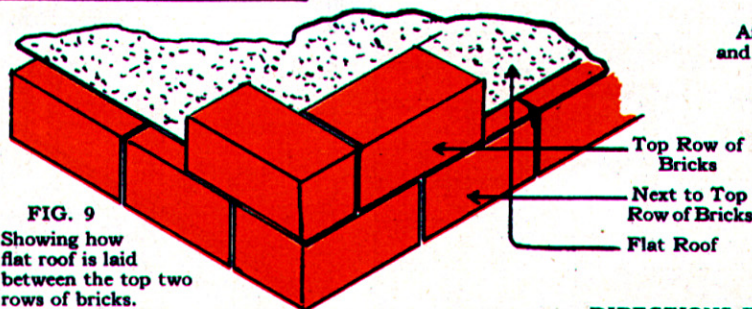
**FIG. 3**



**FIG. 4**  
SHOWING HOW WINDOWS ARE ASSEMBLED

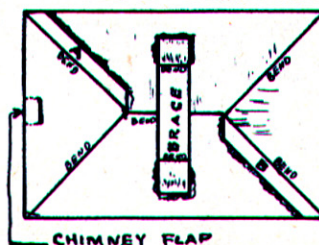
1. Place a dab of LINCOLN MORTAR on each corner of back of the window frame.
2. Place cut-out window sash, printed side down, on frame and press firmly at corners.
3. Cement cellophane glass to back of window sash using LINCOLN MORTAR.

**NOTE**—Small Door is cemented to door frame in the same manner.



**FIG. 9**  
Showing how flat roof is laid between the top two rows of bricks.

**DIRECTIONS FOR ASSEMBLING SLOPING ROOF**  
**FIG. 10—INSIDE VIEW**

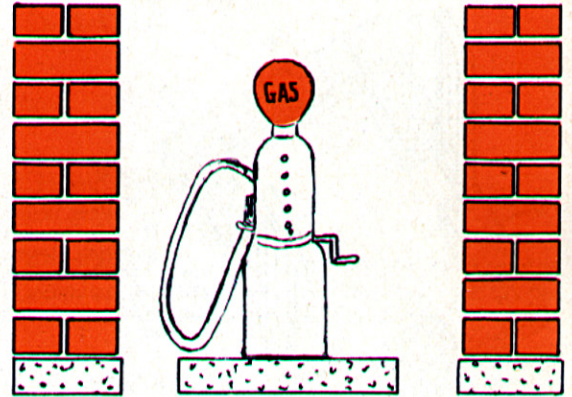


Bend along all scored lines. Cement flaps "A" and "B" under edge of opposite slope. Bend brace on dotted lines—place mortar on bent portion and cement crosswise underneath roof as shown. If chimney is used, cut along dotted lines and bend flap down.

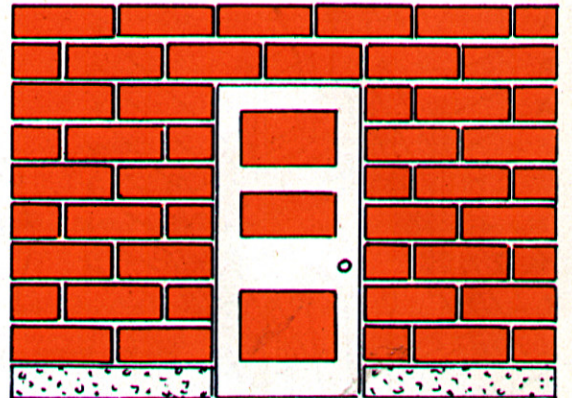
# PLANS & SPECIFICATIONS FOR FILLING STATION

## SPECIFICATIONS (MATERIAL REQUIRED)

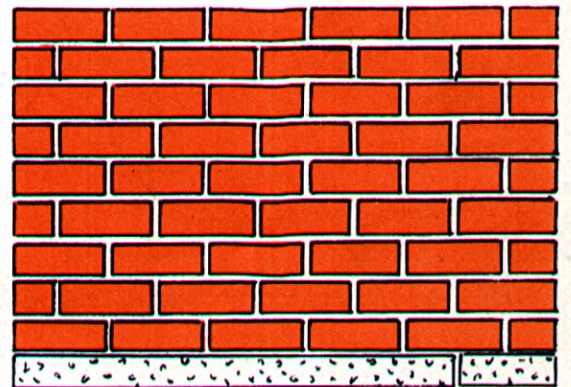
- |                      |                        |
|----------------------|------------------------|
| 1 No. 4½ Stone       | 1 Small Door Frame     |
| 2 No. 2½ Stones      | 1 Small Door           |
| 3 No. 2 Stones       | 2 Small Window Frames  |
| 1 No. 1½ Stone       | 2 Small Window Sash    |
| 2 No. 1¼ Stones      | 2 Cellophane Windows   |
| 164 No. 1 Red Bricks | 1 Gas Pump             |
| 17 No. ½ Red Bricks  | 1 Sloping Roof & Signs |



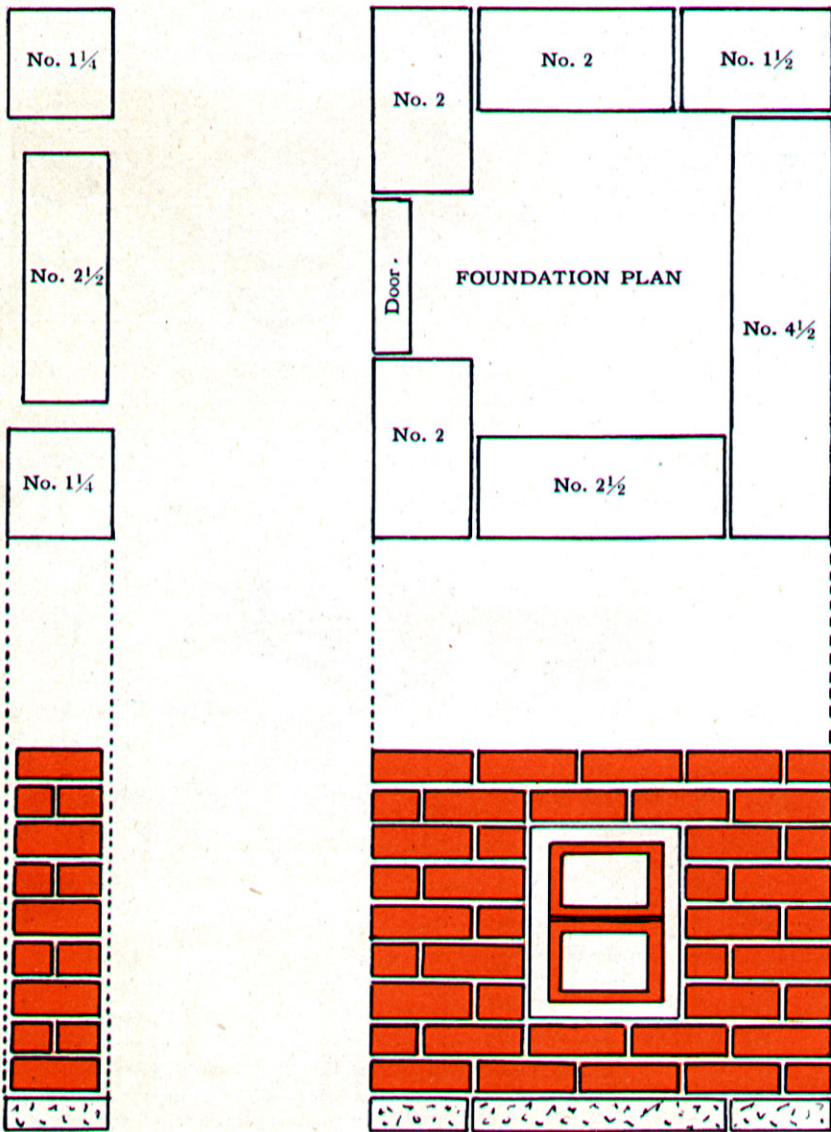
FRONT POSTS AND PUMP



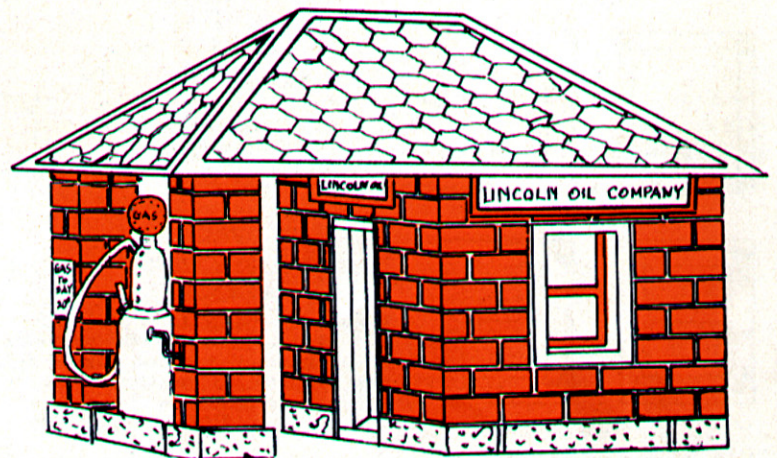
FRONT ELEVATION



REAR ELEVATION



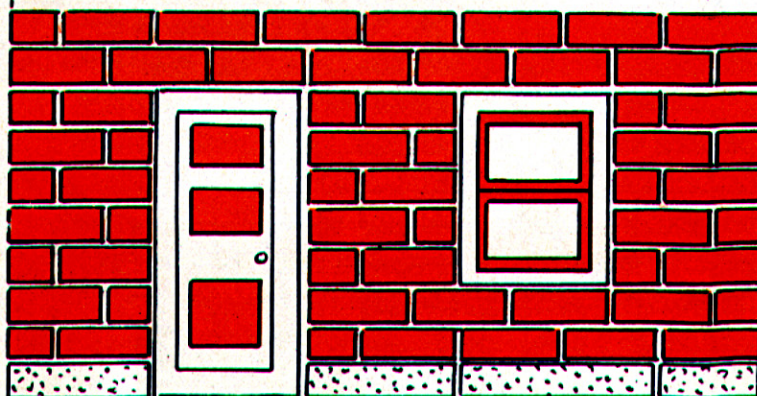
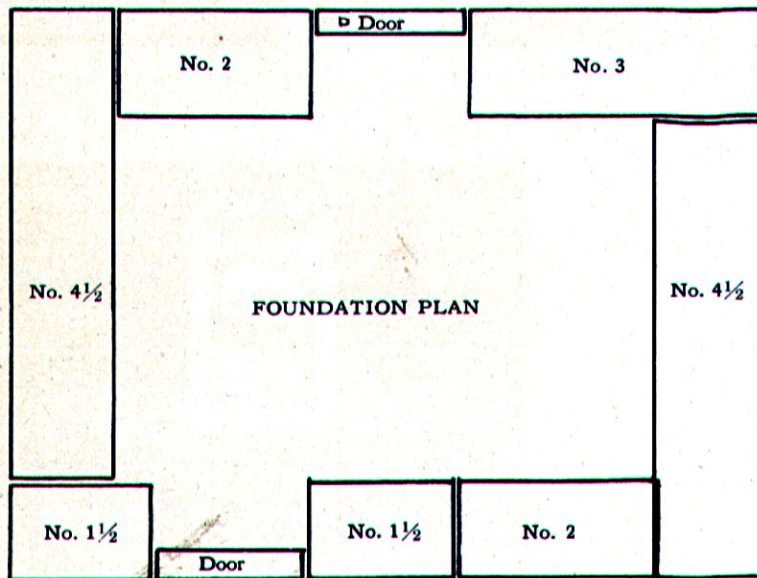
ELEVATION OF BOTH SIDES



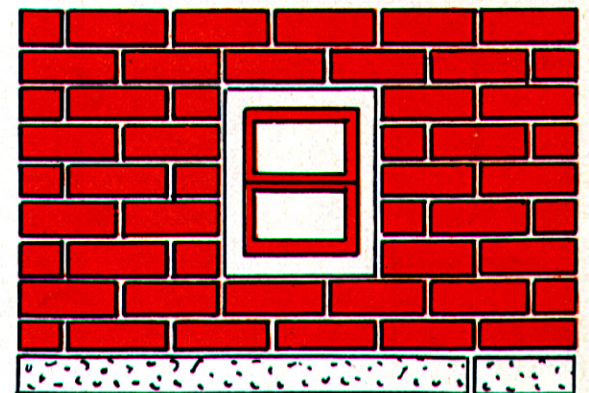
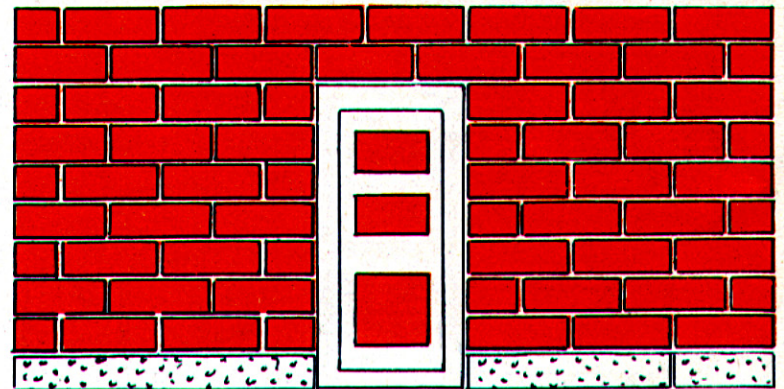
# PLANS AND SPECIFICATIONS FOR RAILROAD STATION

## SPECIFICATIONS (MATERIAL REQUIRED)

- |                      |                       |
|----------------------|-----------------------|
| 2 No. 4½ Stones      | 2 Small Doors         |
| 1 No. 3 Stone        | 3 Small Window Frames |
| 2 No. 2 Stones       | 3 Small Window Sash   |
| 2 No. 1½ Stones      | 3 Cellophane Windows  |
| 158 No. 1 Red Bricks | 1 Sloping Roof        |
| 29 No. ½ Red Bricks  | Signs                 |
| 2 Small Door Frames  |                       |



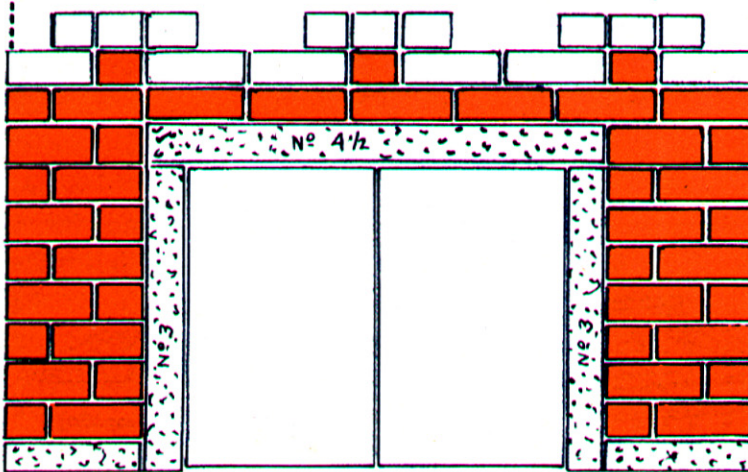
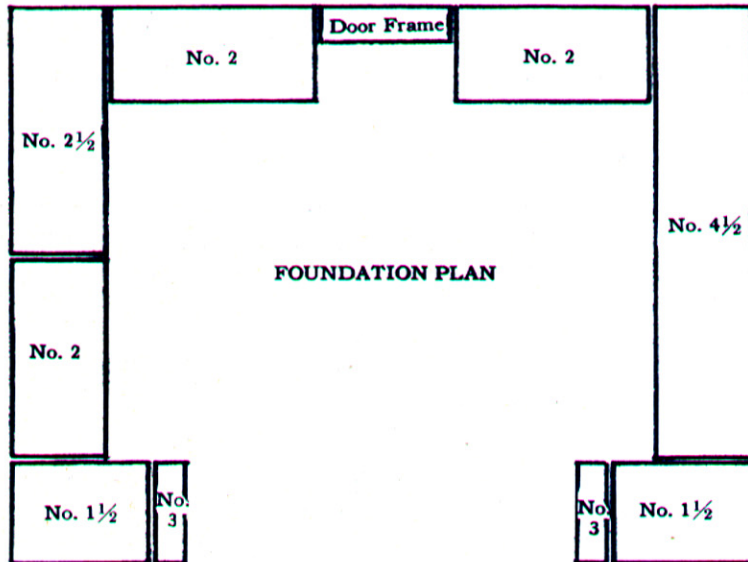
NOTE: Flat Roof may be used instead of Sloping Roof if desired.



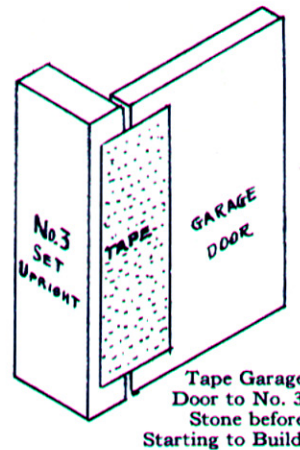
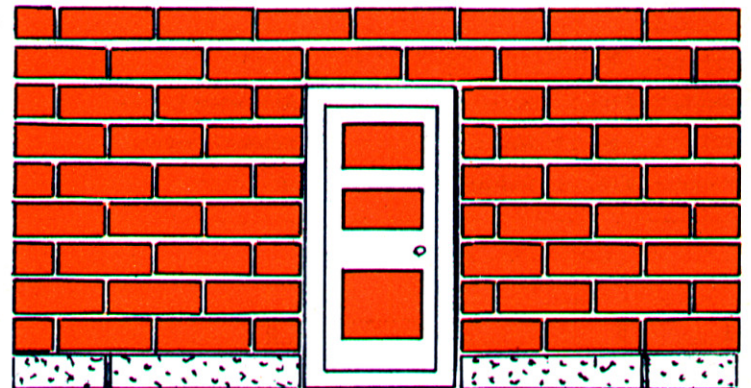
# PLANS AND SPECIFICATIONS FOR GARAGE

## SPECIFICATIONS (MATERIAL REQUIRED)

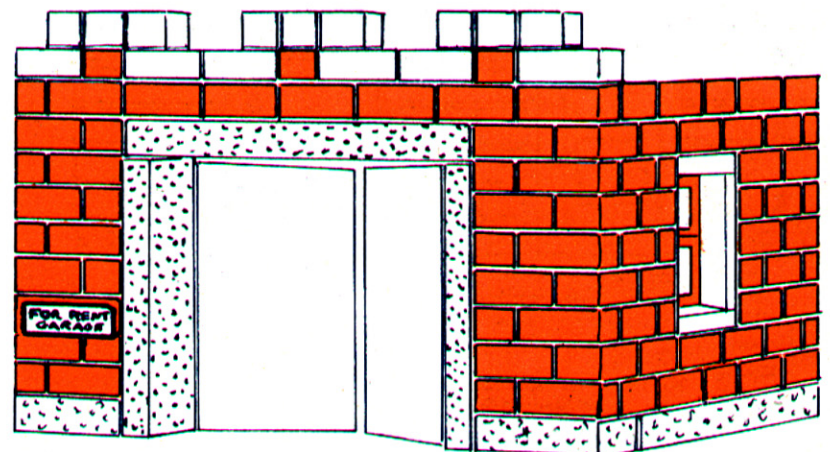
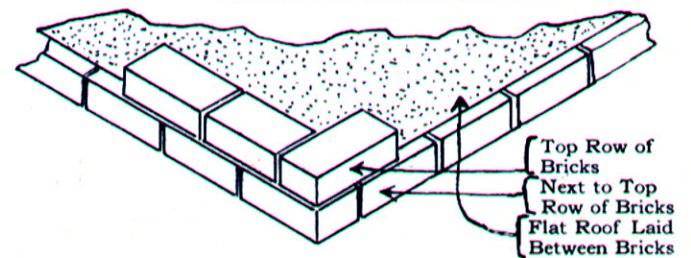
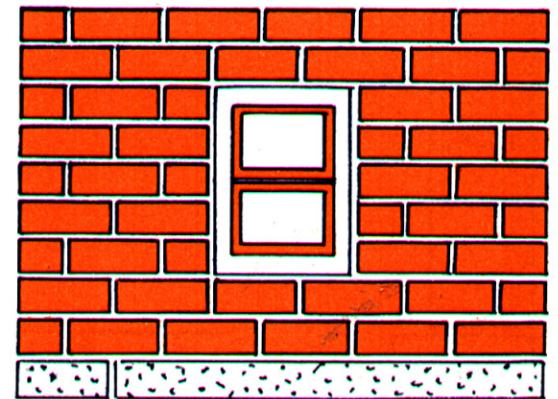
2 No. 4½ Stones	6 No. 1 White Bricks	2 Small Window Sash
2 No. 3 Stones	9 No. ½ White Bricks	2 Cellophane Windows
1 No. 2½ Stone	2 Garage Doors	2 Pieces Tape
3 No. 2 Stones	1 Small Door Frame	1 Flat Roof
2 No. 1½ Stones	1 Small Door	1 Sign
142 No. 1 Red Bricks	2 Small Window Frames	
28 No. ½ Red Bricks		



NOTE:—The wooden doors for Garage should first be taped to No. 3 Stones that are used as uprights for door frame and No. 4½ cross stone cemented in place before any bricks are laid. Care should be taken that uprights are perfectly straight and the proper distance apart.



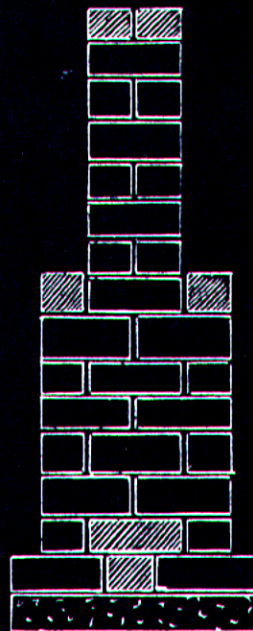
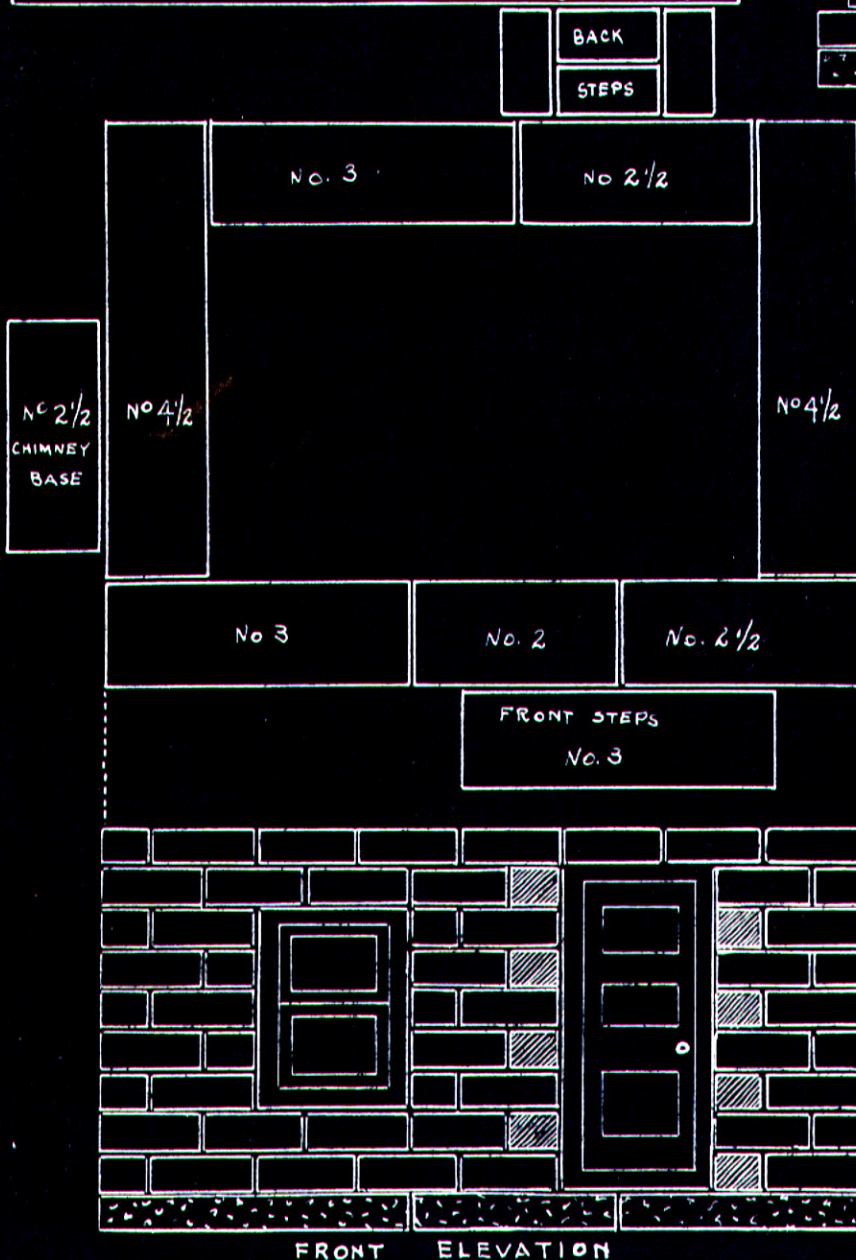
Tape Garage Door to No. 3 Stone before Starting to Build



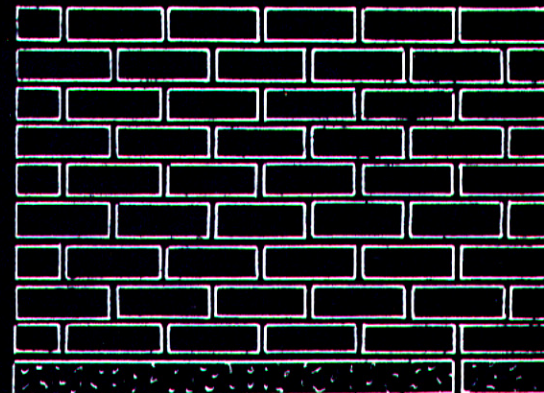
# PLANS AND SPECIFICATIONS FOR BUNGALOW

## SPECIFICATIONS (MATERIAL REQUIRED)

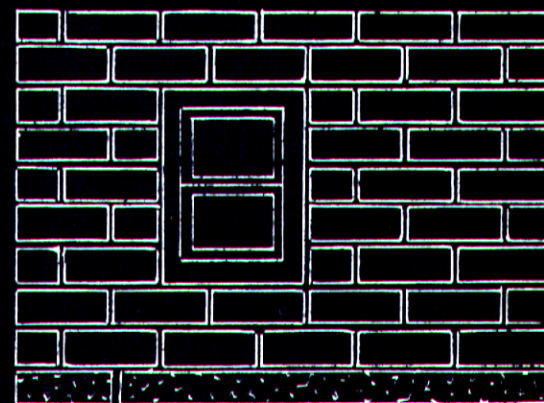
- |                      |                       |
|----------------------|-----------------------|
| 2 No 4 1/2 Stones    | 8 No 1/2 White Bricks |
| 3 No 3 Stones        | 2 Small Door Frames   |
| 3 No 2 1/2 Stones    | 2 Small Doors         |
| 1 No 2 Stones        | 2 Small Window Sash   |
| 200 No 1 Red Bricks  | 3 Small Window Frames |
| 24 No 1/2 Red Bricks | 3 Cellophane Windows  |
| 6 No 1 White Bricks  | 1 Sloping Roof & Sign |



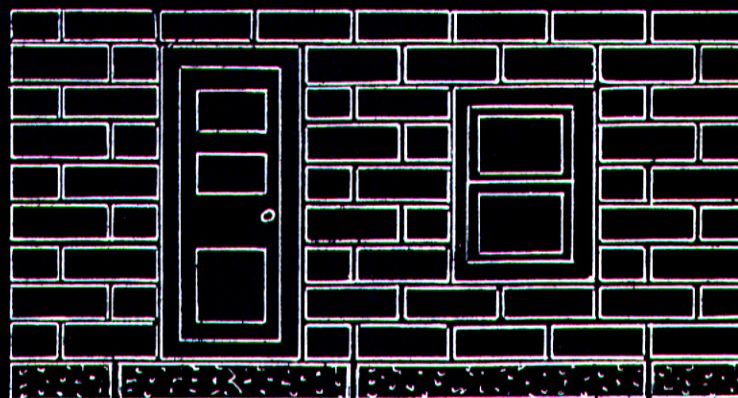
FRONT  
ELEVATION  
OF CHIMNEY



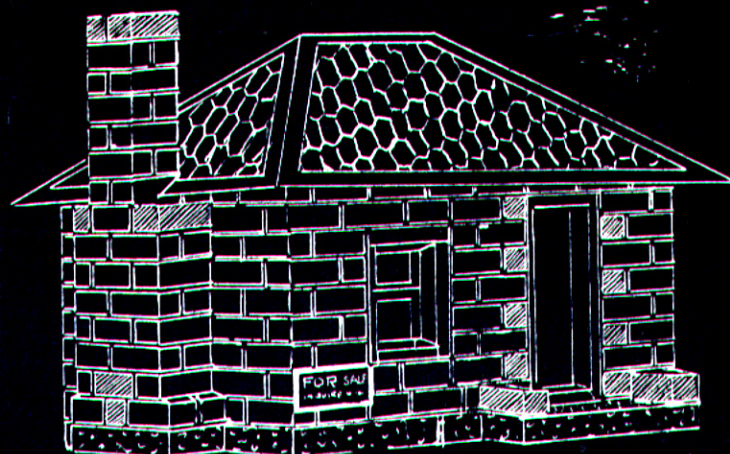
LEFT SIDE ELEVATION



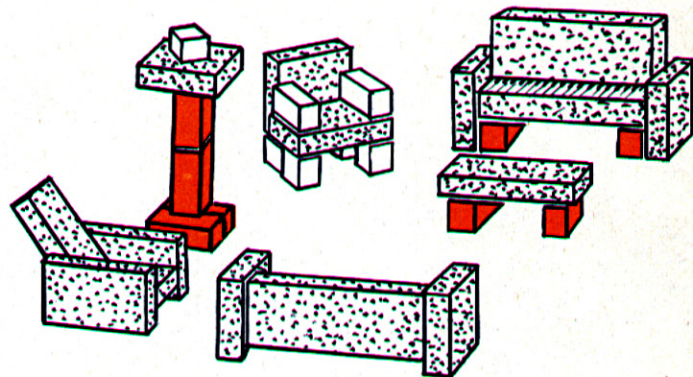
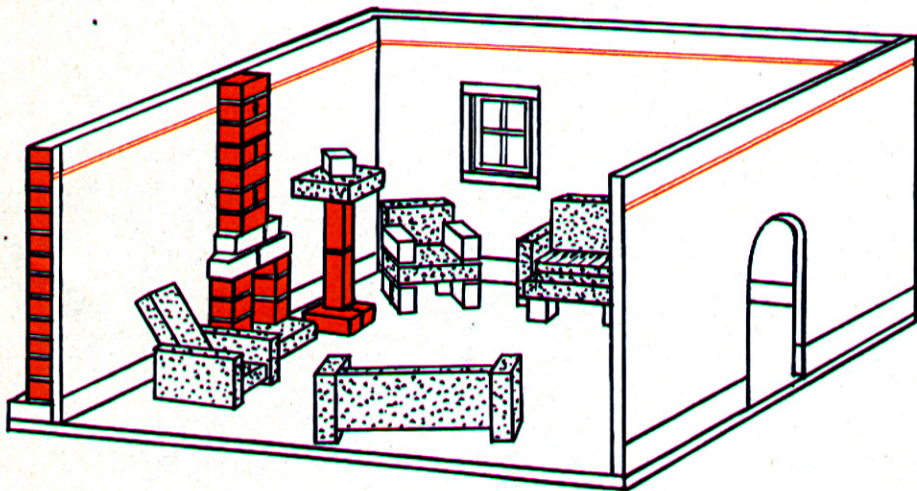
RIGHT SIDE ELEVATION



REAR ELEVATION

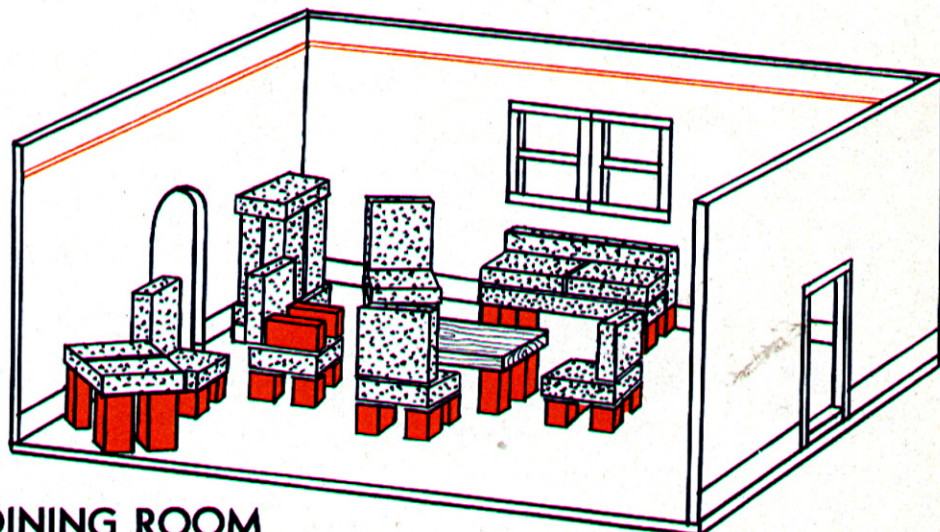


# DOLL HOUSE FURNITURE MADE OF LINCOLN BRICKS

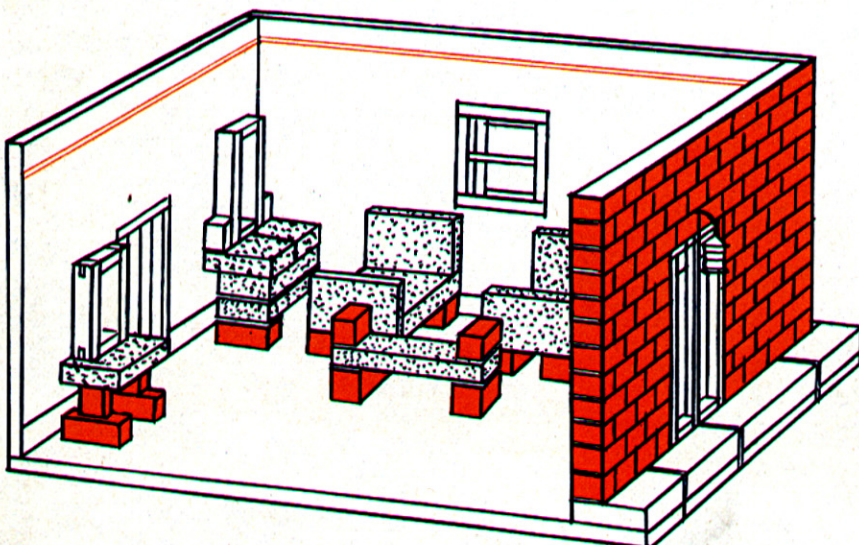
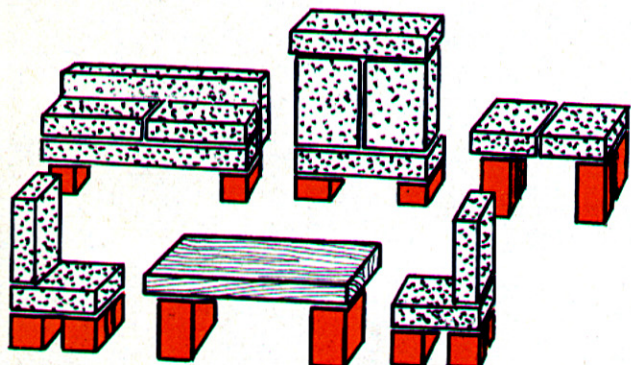


LIVING ROOM

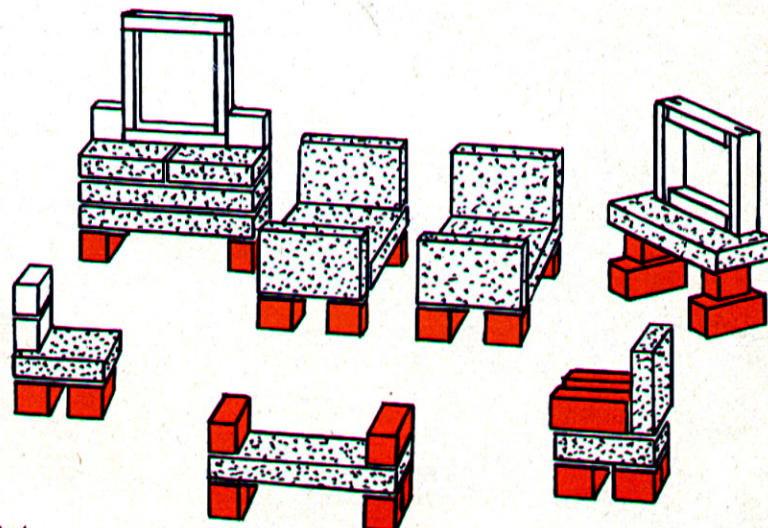
NOTE:—The top of the dining room table is made of one of the garage doors.  
The mirrors are formed by cementing cellophane "glass" to window and door frames.



DINING ROOM



BED ROOM

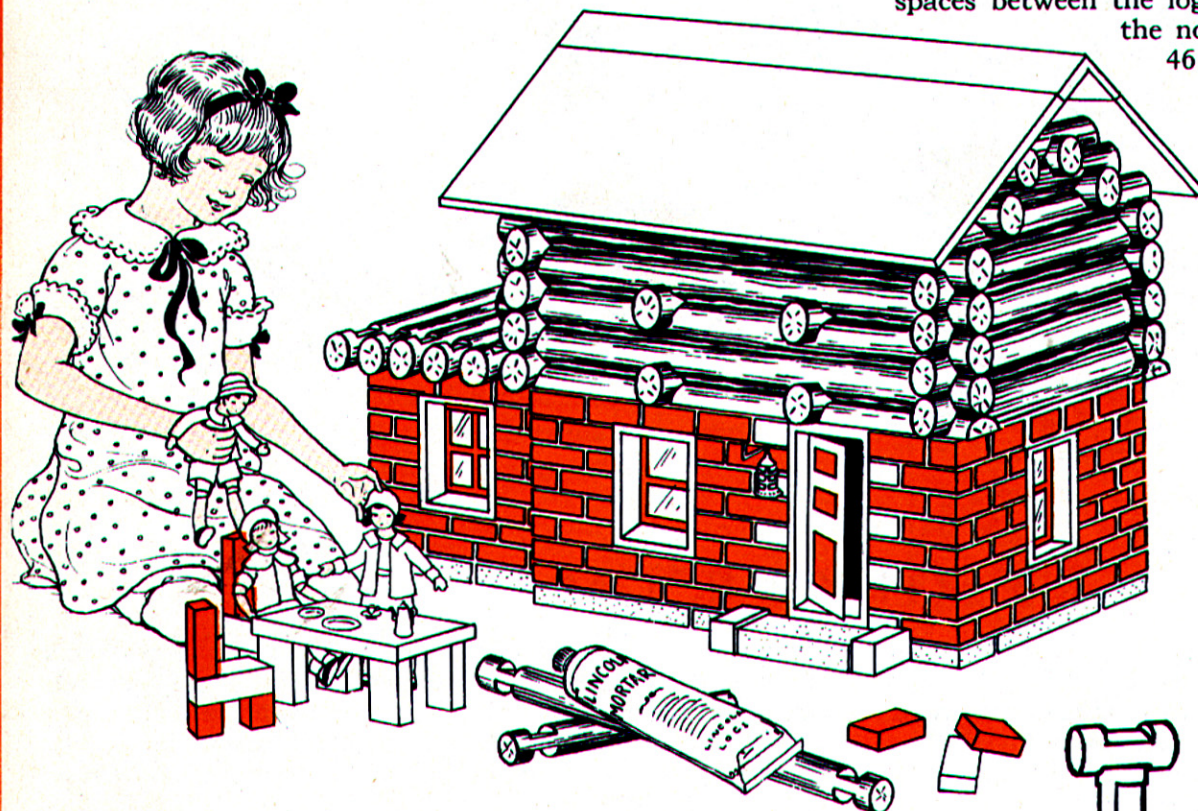


# LINCOLN LOGS AND BRICKS IN COMBINATION

The Brick and Log sets may be purchased separately if desired. For the children who have neither Bricks nor Logs we have designed a set of Bricks and Logs in Combination consisting of the Standard Brick outfit, the Standard Double

Set of Lincoln Logs and the following additional Logs:  
 12—No. 1  
 6—No. 17—Extra Long  
 6—No. 25—Extra Long  
 1—No. 13

together with Design Books for both Log and Brick Sets and an extra tube of Lincoln Mortar for "chinking" the spaces between the logs or fastening the logs together at the notches if desired, making a total of 461 pieces.



## MODERN BRICK HOUSE WITH SUN-PARLOR AND TIMBERED SECOND STORY OF LINCOLN LOGS

While not shown in the illustration a door may be made to lead from the second floor to the roof of the sun-parlor by constructing the left end of the second story of one No. 6 log supporting three No. 13 and six No. 1 logs. A chimney may be placed at the right end of the house if desired. The Dutch Lantern is hung on a small wire nail inserted between two bricks.

## AIRPLANE CARRIER MADE OF LINCOLN LOGS AND BRICKS

The gun deck of this cruiser is made of six No. 25, and the airplane deck of five No. 17 Extra Long Lincoln Logs.

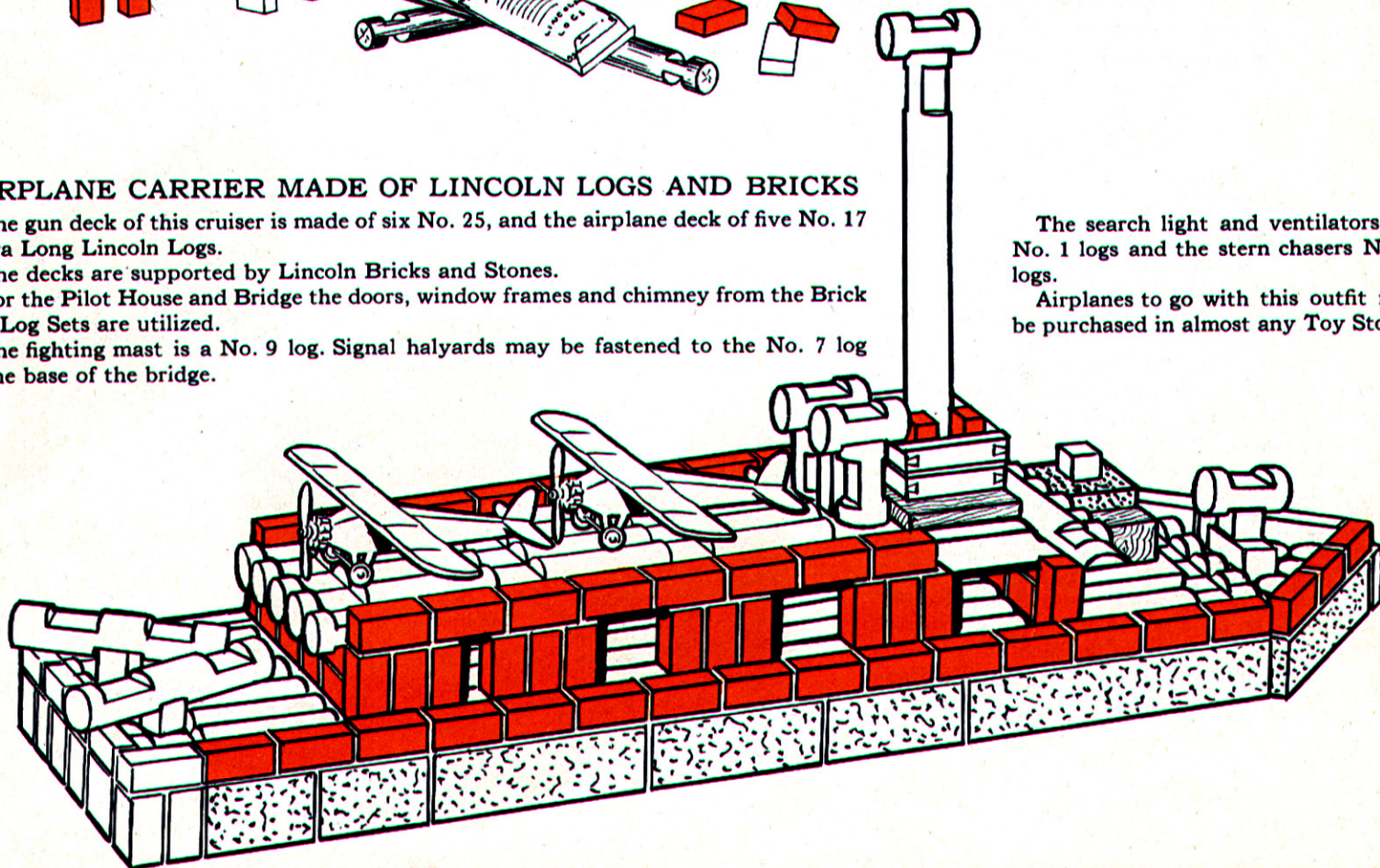
The decks are supported by Lincoln Bricks and Stones.

For the Pilot House and Bridge the doors, window frames and chimney from the Brick and Log Sets are utilized.

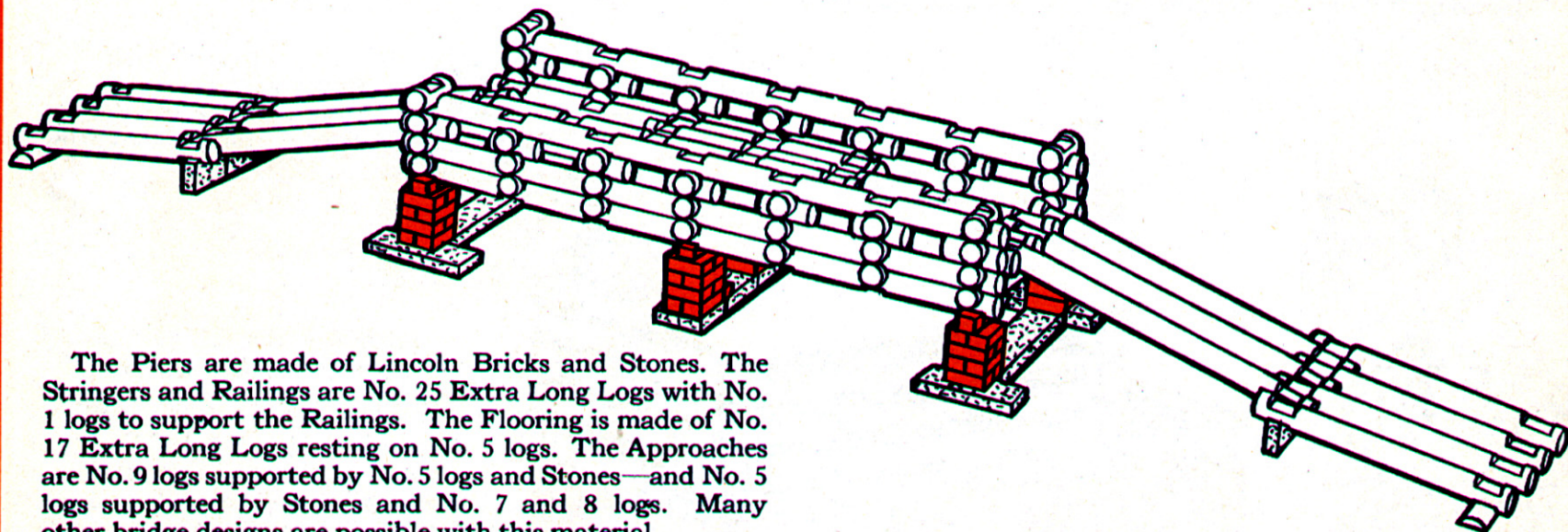
The fighting mast is a No. 9 log. Signal halyards may be fastened to the No. 7 log at the base of the bridge.

The search light and ventilators are No. 1 logs and the stern chasers No. 2 logs.

Airplanes to go with this outfit may be purchased in almost any Toy Store.



# DOUBLE SPAN BRIDGE AND APPROACHES MADE OF LINCOLN LOGS, BRICKS AND STONES



The Piers are made of Lincoln Bricks and Stones. The Stringers and Railings are No. 25 Extra Long Logs with No. 1 logs to support the Railings. The Flooring is made of No. 17 Extra Long Logs resting on No. 5 logs. The Approaches are No. 9 logs supported by No. 5 logs and Stones—and No. 5 logs supported by Stones and No. 7 and 8 logs. Many other bridge designs are possible with this material.

## IN THE SCHOOL ROOM

Lincoln Bricks are a part of the equipment in High Schools and for the elementary design classes in Colleges. Floor plans, elevations, etc., are built to assist the students in visualizing mechanical drawings by actual construction.

As a toy—we have indicated on the foregoing pages only

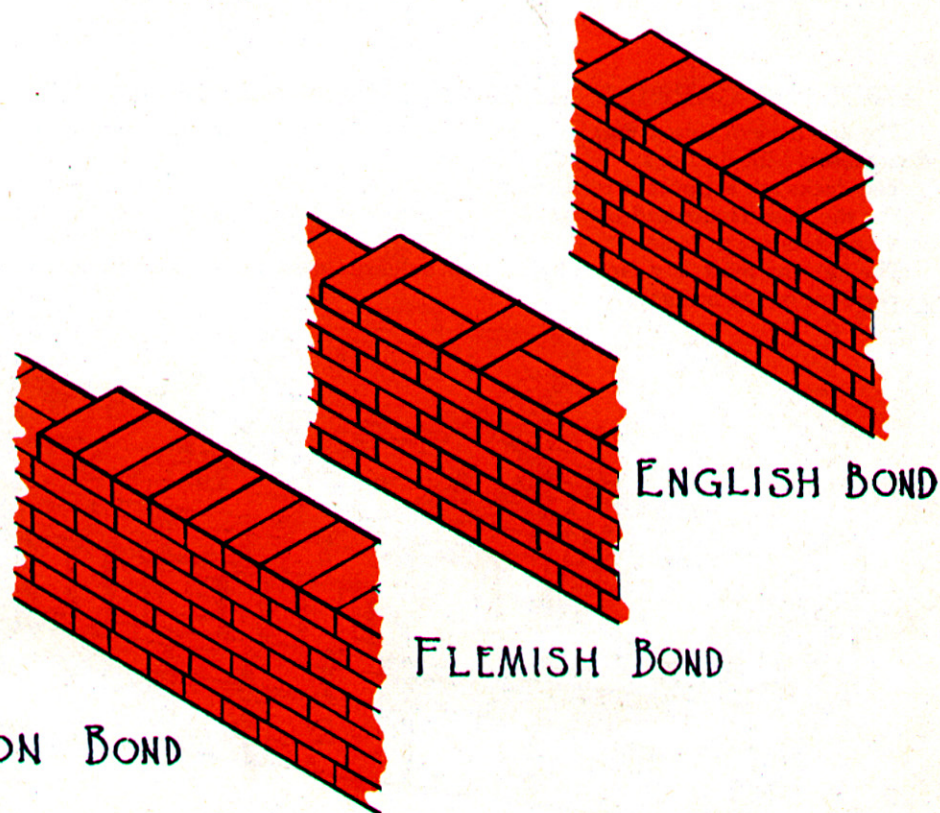
“Stretcher” construction, but the use of the standard forms of “bonds” should be encouraged. These are illustrated below and in this connection we quote from the well-known text book, “Problems in Architectural Drawing,” by Franklin G. Elwood, B. Arch., published by Manual Arts Press, Peoria, Illinois:—

### CHAPTER IV

#### MASONRY CONSTRUCTION

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an 18" to  
age by  
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ast 6" to  
nd 8" to  
which is  
ve foot-  
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**60. Bond.** Bond in brickwork has refer-  
ence to arrangement of the bricks for the pur-  
pose of tying the wall together and dis-  
tributing the load over a greater area. The  
typical bonds are the *common* or running,  
*Flemish*, *English* and the *English cross* bond.  
(Fig. 38.) The common bond consists of a  
course of headers to every sixth course of  
stretchers. A *stretcher* is the long face of the  
brick. A *header* is the narrow end. A *sol-  
dier* course is a course of bricks placed on  
end the long way. A rowlock course is a  
course placed the narrow way on edge. The  
Flemish bond consists of alternate headers  
and stretchers in each course, the header cen-  
tering on the stretcher in successive courses.  
The English bond is made up of alternate  
course of headers and stretchers. The Eng-  
lish cross bond breaks



# LINCOLN BRICKS AND STONES USED WITH STEEL CONSTRUCTION TOYS

To illustrate the possibilities of Lincoln Bricks and Stones in combination with Steel Construction Toys both Erector and Meccano parts have been used. The steel floor of the engine room, figures 1 and 2, is the Erector Base Plate to which the machinery may be bolted.

The brick walls are cut away to show the interior of the engine room.

The square Erector girder shown in figure 3 is partially enclosed with Lincoln Bricks to illustrate how steel work is protected against damage by great heat in modern fire-proof construction.

With Lincoln Bricks and Stones the skeleton steel framework of miniature skyscrapers may be completed and made to look in all respects like finished buildings.

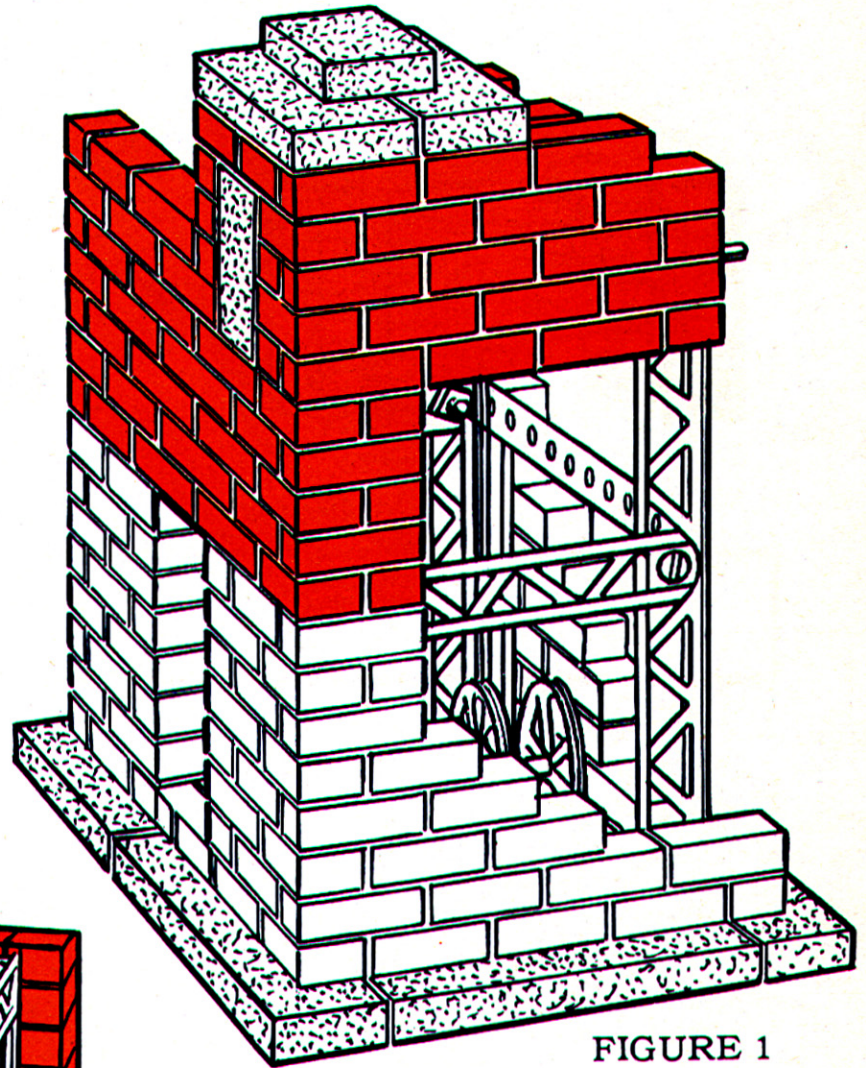


FIGURE 1

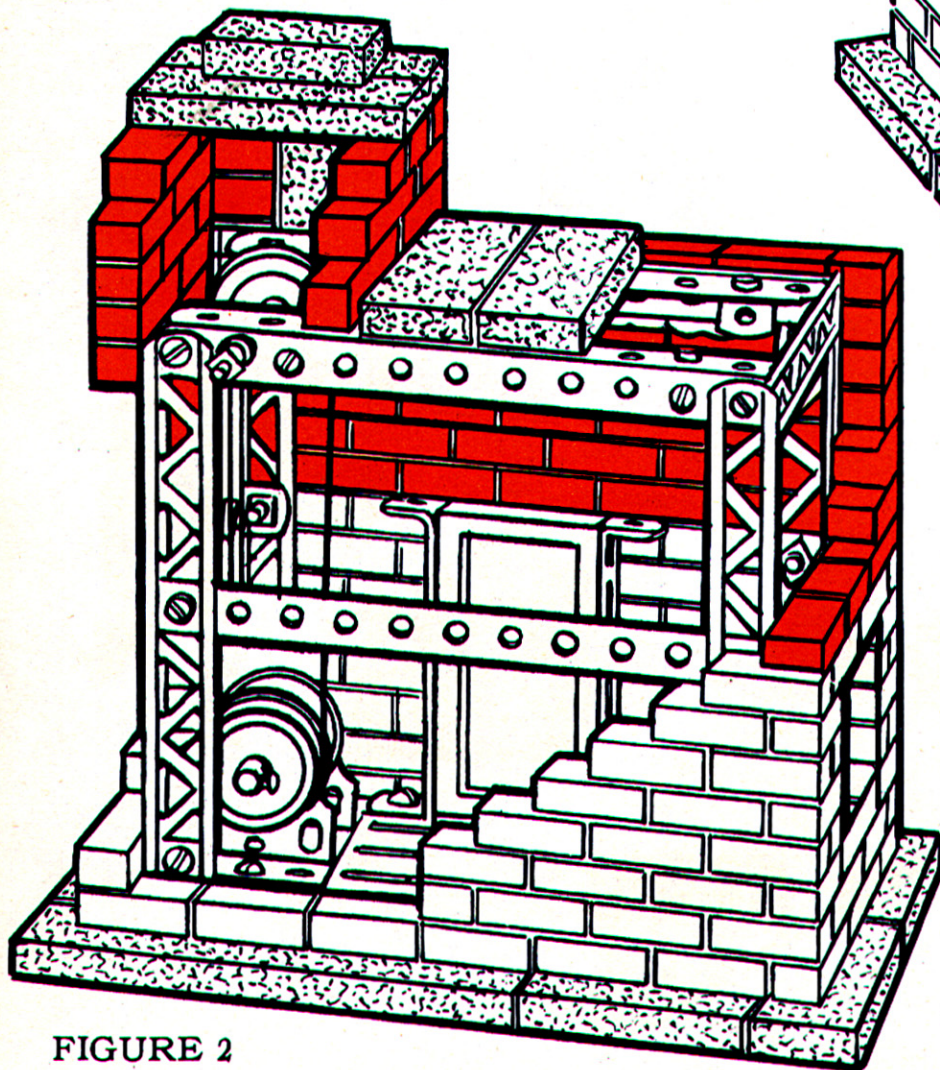


FIGURE 2

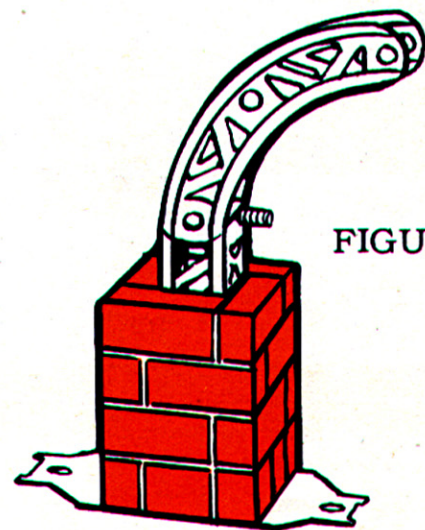
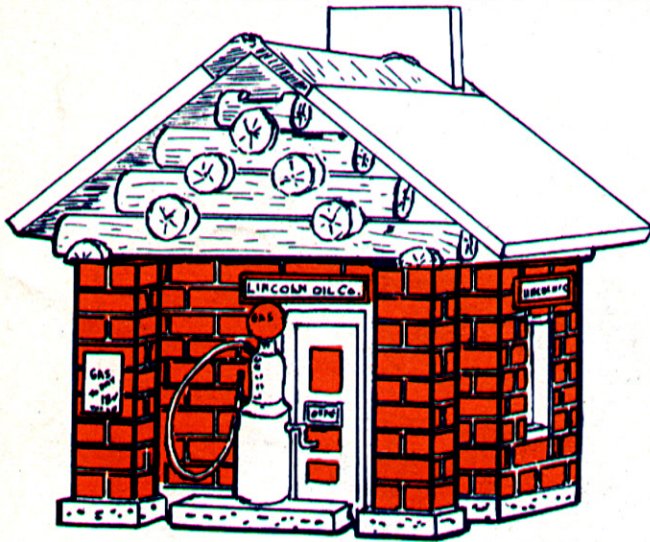
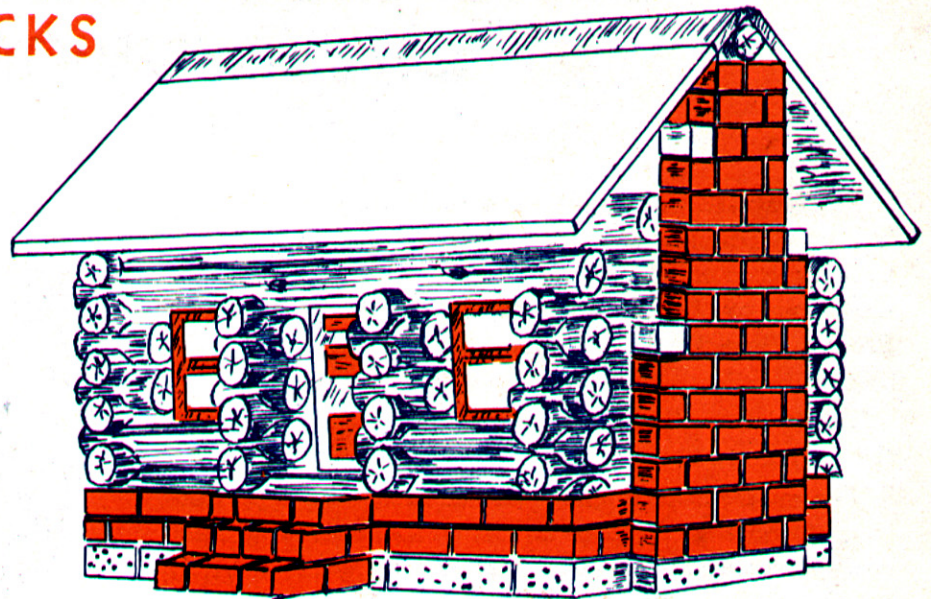


FIGURE 3

# SHOWING HOW LINCOLN LOGS CAN BE USED WITH LINCOLN BRICKS



ROCKY MOUNTAIN FILLING STATION



PIONEER CABIN with Brick and Stone  
Foundation, Chimney and Fireplace  
Made with LINCOLN BRICKS and LINCOLN LOGS

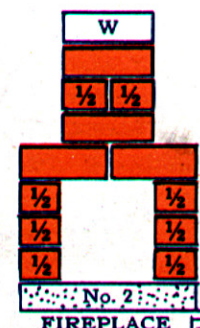
LINCOLN MORTAR is also used to fasten Lincoln Logs together and to fill in the "chinks" between them.

TO OBTAIN LINCOLN LOGS, BRICKS, MORTAR AND OTHER BUILDING MATERIAL SEE YOUR DEALER, OR WRITE

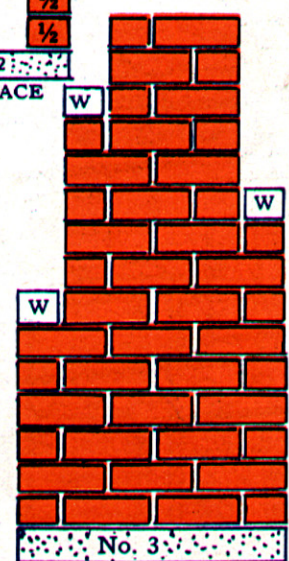
J. L. WRIGHT, INC.  
1443 MERCHANDISE MART  
CHICAGO, U.S.A.

No. 3	No. 2½	No. 3
<p><b>SPECIFICATIONS FOR PIONEER CABIN</b>                  102—No. 1 Red Bricks    24—No. ½ Red Bricks                  1—No. 1 White Brick    3—No. ½ White Bricks                  2—No. 4½ Stones        3—No. 3 Stones                  2—No. 2½ Stones        3—No. 2 Stones                  1—Door                  2—Windows and Cellophane Glass</p>		
No. 4½	<p>Base for Fire-place No. 2</p>	
<p><b>FOUNDATION PLAN FOR PIONEER CABIN</b></p>		
No. 2	No. 2½	No. 2

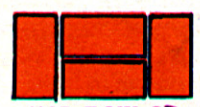
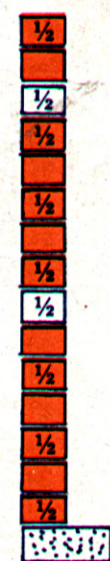
Base for Chimney No. 3



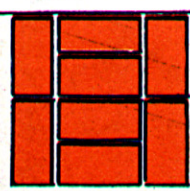
FIREPLACE



CHIMNEY — FRONT — SIDE



TOP ROW OF BRICKS FOR STEPS



FIRST ROW OF BRICKS FOR STEPS



2ND ROW OF BRICKS FOR STEPS



SIDE VIEW OF STEPS



FRONT ELEVATION OF FOUNDATION FOR PIONEER CABIN



SIDE ELEVATION OF FOUNDATION FOR PIONEER CABIN