The various pieces of DOMETO are referred to by letters and figures, the letters denoting the patterns and the figures the lengths in inches. The patterns may be identified by comparison with the illustrations given on the next page. The lengths may be ascertained by measuring with the six-inch rule which is supplied with every box. In the measurement of pieces with tenoned ends (as *Bb* and *Ga*) the length of the tenon is not reckoned, *i.e.*, the part which fits into another piece should not be measured. Mortised pieces (as *Ba* and *P*) should be measured full length.

The bricks are 1 inch in height and $\frac{3}{4}$ of an inch in thickness. The wall bricks in Box F (Patterns *A* and *C*) vary from $\frac{1}{2}$ inch to 3 inches in length. In calculating the bricks required to fill any given length of wall, the following table will be found useful:—

Twice $\frac{3}{4}$ are $1\frac{1}{2}$	Twice $1\frac{1}{2}$ are 3	Twice $2\frac{1}{4}$ are $4\frac{1}{2}$
3 times „ „ $2\frac{1}{4}$	3 times „ „ $4\frac{1}{2}$	4 times „ „ 9
4 „ „ „ 3	4 „ „ „ 6	$\frac{3}{4}$ added to $\frac{1}{2}$ makes $1\frac{1}{4}$
6 „ „ „ $4\frac{1}{2}$	5 „ „ „ $7\frac{1}{2}$	„ „ „ $1\frac{1}{2}$ „ $2\frac{1}{4}$
8 „ „ „ 6	6 „ „ „ 9	„ „ „ $2\frac{1}{4}$ „ 3

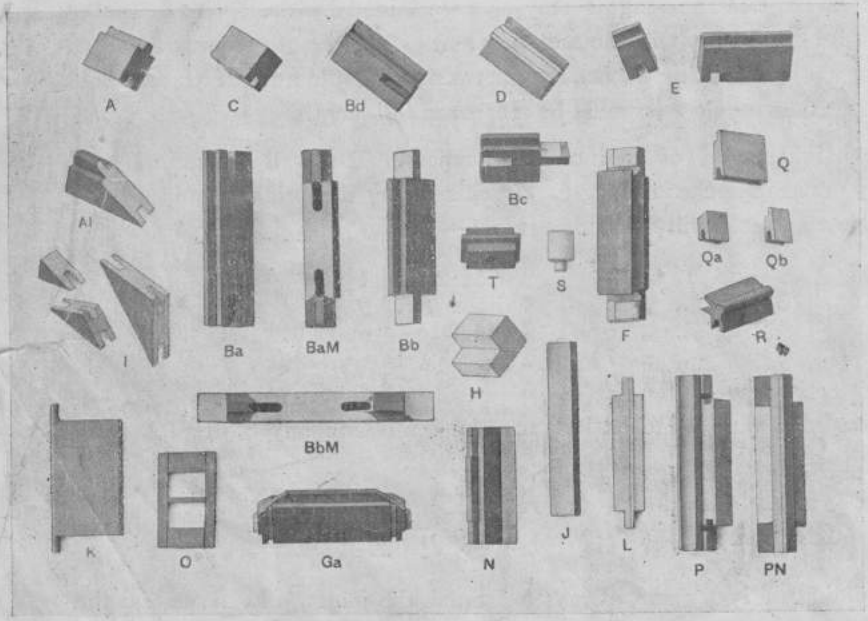
For example:—A course of bricks in a wall 9 inches long may be built with any of the following combinations—

$A3+A3+A3$ or $A1\frac{1}{2}+A3+A3+A1\frac{1}{2}$ or $A\frac{3}{4}+A3+A1\frac{1}{2}+A3+A\frac{3}{4}$ or

$A1+A1\frac{1}{4}+A1\frac{1}{2}+A1\frac{1}{2}+A1\frac{1}{2}+A1\frac{1}{4}+A1$ or $A\frac{3}{4}+A1\frac{1}{2}+A2\frac{1}{4}+A2\frac{1}{4}+A1\frac{1}{2}+A\frac{3}{4}$, etc.

Care should be taken, in building walls or roofs, always to "break the joints," *i.e.*, to see that the crevice between two pieces is not vertically in line with a crevice in the next course above or below.

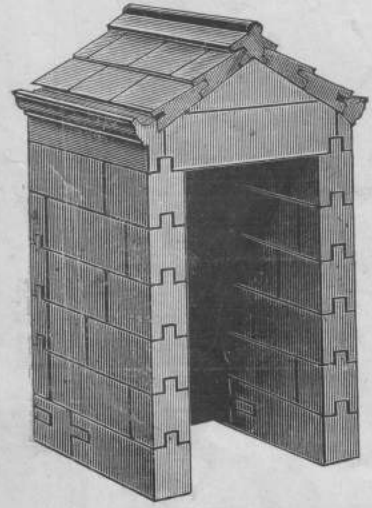
Illustrations of the Pieces in Box F.

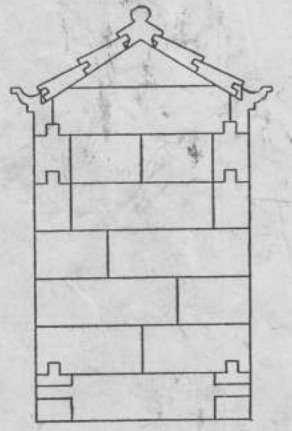


List of the Pieces in Box F.

4—A$\frac{1}{4}$	4—C3	2—L3
8—A$\frac{1}{2}$	3—D2	1—N3
16—A$\frac{3}{4}$	4—E$\frac{3}{4}$	3—O1$\frac{1}{2}$
8—A1	4—E1$\frac{1}{2}$	1—P4$\frac{1}{2}$
8—A1$\frac{1}{4}$	4—E2$\frac{1}{4}$	1—PN4$\frac{1}{2}$
16—A1$\frac{1}{2}$	1—E4$\frac{1}{2}$	2—P9
8—A2$\frac{1}{4}$	2—F2$\frac{1}{4}$	8—Q$\frac{3}{4}$
16—A3	1—F4$\frac{1}{2}$	60—Q1$\frac{1}{2}$
8—AI2$\frac{1}{4}$	2—Ga1$\frac{1}{2}$	2—Qa$\frac{3}{4}$
1—Ba9	2—Ga3	6—Qa1$\frac{1}{2}$
2—Ba4$\frac{1}{2}$	2—Ga4$\frac{1}{2}$	2—Qb$\frac{3}{4}$
1—BaM4$\frac{1}{2}$	2—Ga6	6—Qb1$\frac{1}{2}$
2—Bb3	1—H3	2—Qc$\frac{3}{4}$
1—Bb4$\frac{1}{2}$	2—I 1	6—Qc1$\frac{1}{2}$
1—BbM4$\frac{1}{2}$	2—I 1$\frac{3}{4}$	1—R4$\frac{1}{2}$
2—Bc1$\frac{1}{2}$	2—I 3	1—R8$\frac{1}{4}$
2—Bc4$\frac{1}{2}$	2—J1$\frac{1}{2}$	1—R9
2—Bd3	6—J3	1—S
4—C$\frac{3}{4}$	10—J4$\frac{1}{2}$	1—T1$\frac{1}{4}$
2—C1$\frac{1}{2}$	4—J6	1—6″ Rule.
2—C2$\frac{1}{4}$	1—K3	—
		283 pieces.

Model 1. Sentry Box.

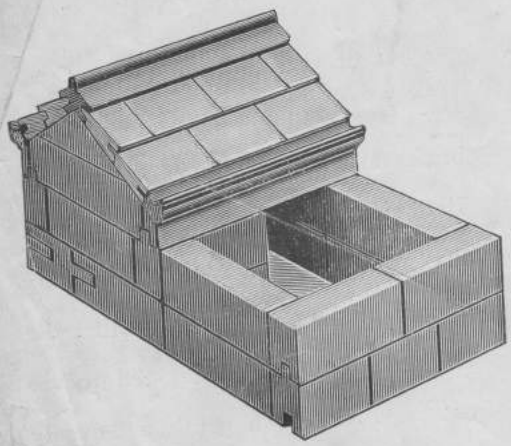




Back.

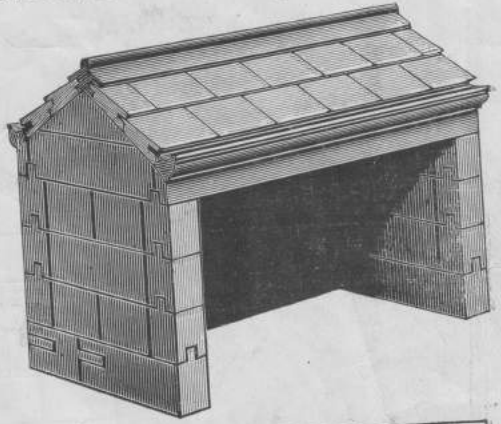
First fit together the frame pieces *Bb3*, *Bc1½*, and *Bd3*. Build the wall bricks on these as shown in illustrations. Both sides are the same. Then fit on the two eaves pieces *P4½*, and carefully fit each binding piece *Ga3* so that the tongues at both ends fit into the grooves of *P*. Press down gently and evenly until the under groove of *Ga3* fits on to the tongues of the back wall bricks. Then fit on the two pieces *13* tiles and ridge as shown.

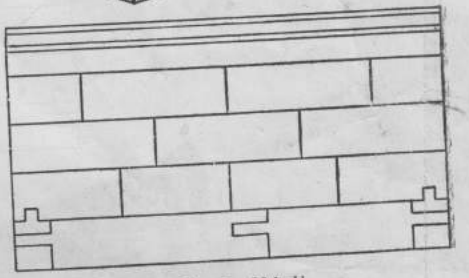
Model 2. Pig-sty.



Frame as in Model 1. The bricks at the front corners of the house are $E\frac{3}{4}$. The front is partly closed with two bricks $A1\frac{1}{2}$.

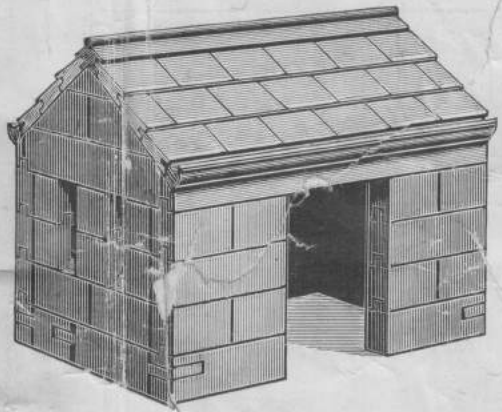
Model 3. Open Shed.

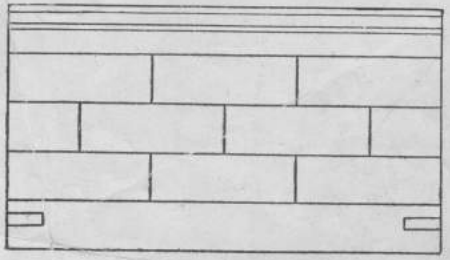




Back Wall.

Model 4. Closed Shed.

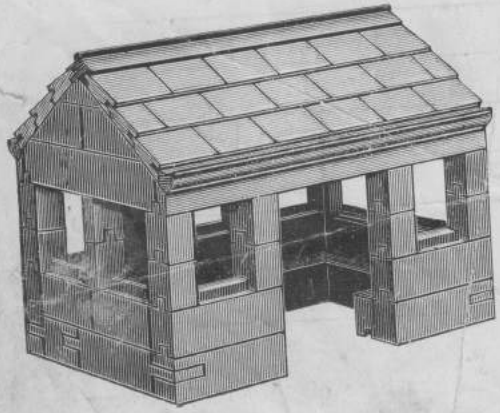


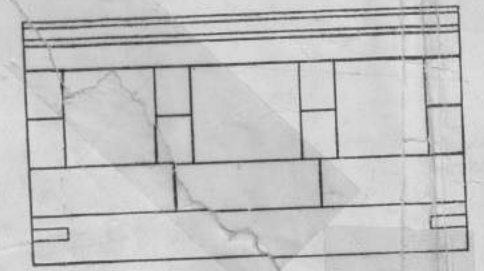


Back Wall.

Note that the base of this model measures 9" x 6". The binding pieces are *Ga*4½.

Model 5. Park Shelter.

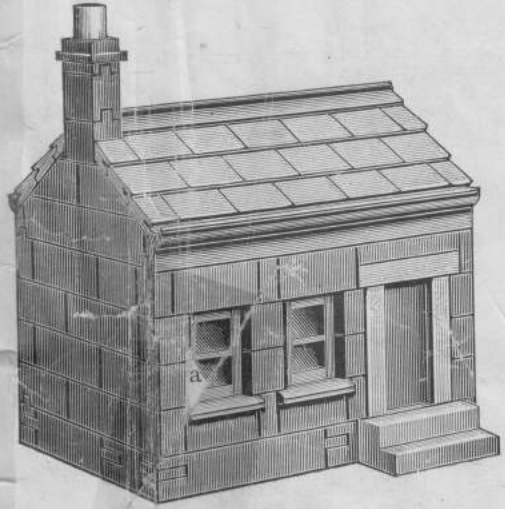




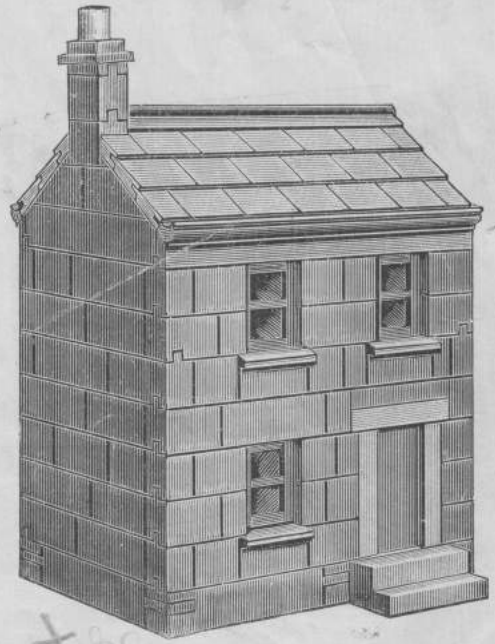
Back.

The frame piece *Ba9* must be turned with the ledge outwards. Before putting on the roof, place *C* bricks inside, against the walls, to form seats.

Model 9.

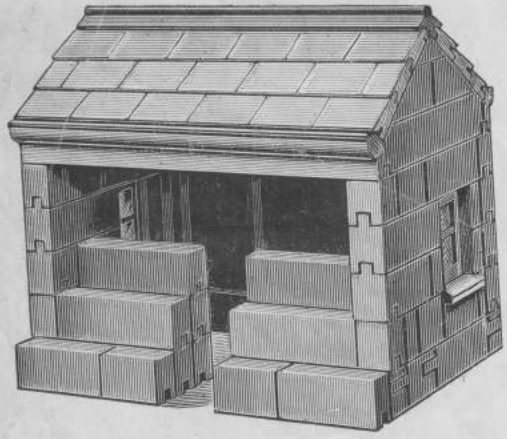


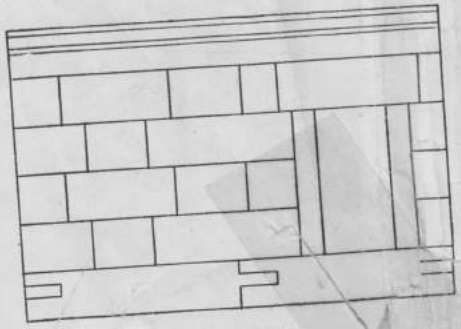
Model 10.



The frame and floor of these models is constructed as in Model 6. The other end is the same as that seen in the illustration, except that *11¾* is substituted for the chimney stack. The back is left open.

Model 11. Market Stall.

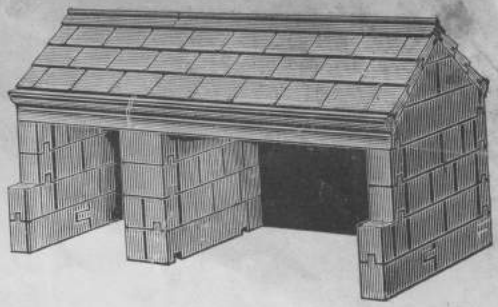




Back.

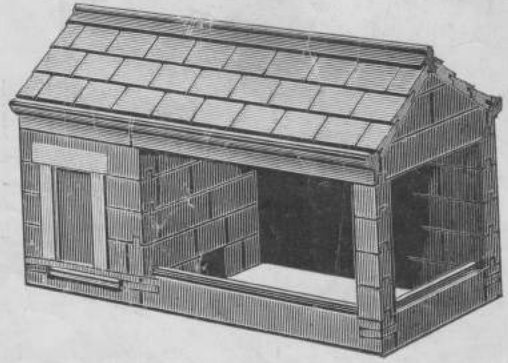
The base bricks in the front, on each side, are *Bd3* extended by the addition of $A\frac{3}{4}$. On these fit *C3*, to form the centre of the stall. The back of the stall on each side is composed of 2 *A3* and a *C3*. In front $C2\frac{1}{4}$ and $C1\frac{1}{2}$. The second course on each side of the house is $(A\frac{3}{4})$ $A\frac{3}{4}$, $A1\frac{1}{4}$, *D2*, $A1\frac{1}{2}$ $(A\frac{3}{4})$.

Model 12. Stable.



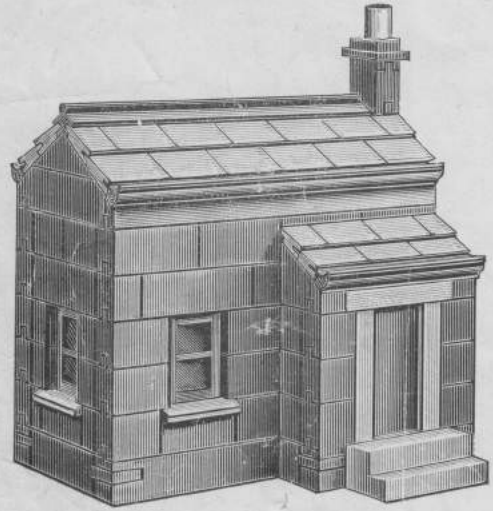
The frame pieces at the back are *Ba9* and *Bc4½*, with ledges turned outwards. The bricks at the base of the centre wall are *E4½* and *A¾*. *C* bricks are used for the fourth course of the centre wall, except the front brick *A1½*, which joins the eaves pieces *P4½* and *P9*.

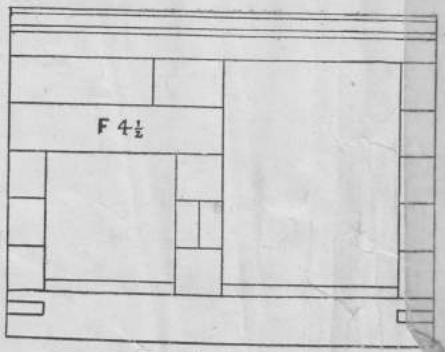
Model 13. Fowl House.



The frame pieces at the back are 2 *Bc4½* and *Ba4½*. The ledge on the door frame piece must be turned outwards. The bricks on left side of door post are ¾″ and on right 1½″; at the base of centre wall *A1* and *A¾* on each side of the opening.

Model 14.

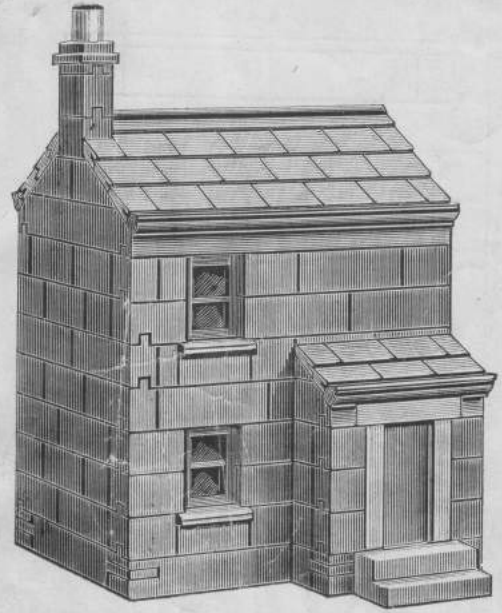


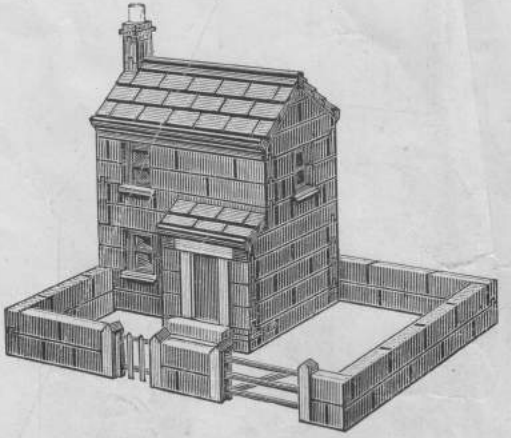


Back.

Fit together the pieces *Ba9*, 2 *Bb3*, *Bc4½*, 2 *Bc1½*, and *BaM4½* to form the base frame as seen in the illustration, and lay the floor boards 6 *J3* and 4 *J4½*. The bricks on each side of the door posts are *A1*, and the pivots of the door are on the left. The bottom brick at left side of porch is *A1½*. The brick on the right side of the front window above *A1¼* is *E2¼*, interlocking the side of the porch. On this *E2¼* build *A1½* and *E¾*, and fill in the side of the porch with 2 *A¾*. Build three courses of the right wall as the left wall of Model 6 and build the back as far as *F4½*; then join the porch eaves *PN4½* to *F4½* by two binding pieces *Ga4½*. Carry the top course of the front wall across the binding pieces with *E4½*. Finish back; then complete right side with *A3*, *Gc3*, 2 *A1¼*, *T*, and *S*. The tiles over the porch are *Qb* and *Qa*.

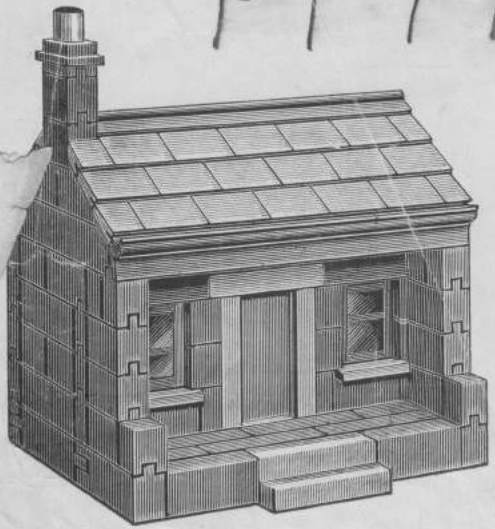
Model 15.

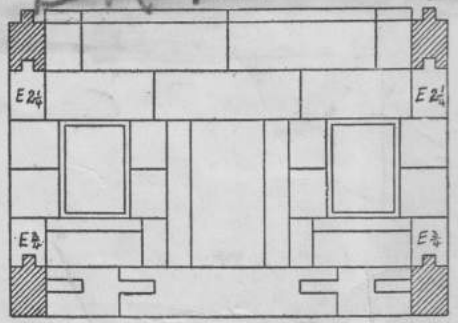




The binding pieces inter-locking with the porch lintel *PN4½* are *Ga6*. They fit into *F4½* at the back as in Model 14. The walls and gates shown in the second illustration may be built by the addition of Box L. Any of the other models may be surrounded in the same way.

Model 16. Cottage with verandah.

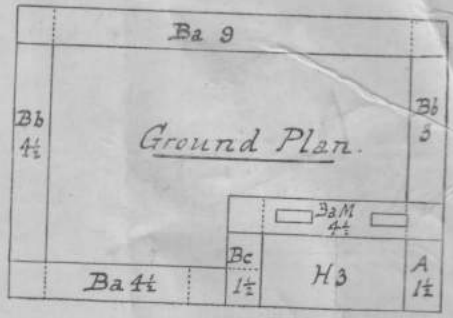




Front elevation.

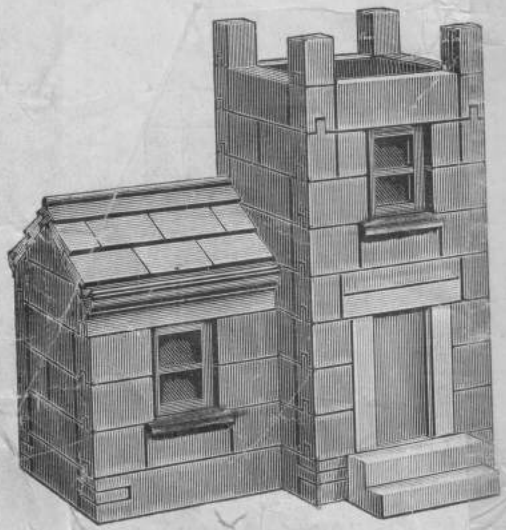
Fit together the frame pieces *Ba9*, 2 *Bb3* and 2 *Bd3*, to form the foundation for the back and two sides. Then fit together the pieces *BaM4½* and 2 *Bc1½* as shown at the base of line drawing, and set between the side frame pieces, 2¼ inches from the front. Lay the verandah floor of *C* bricks and step *H3*; then build sides and front as shown in the illustrations.

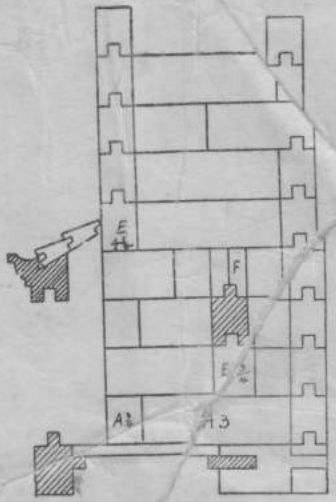
Model 17.



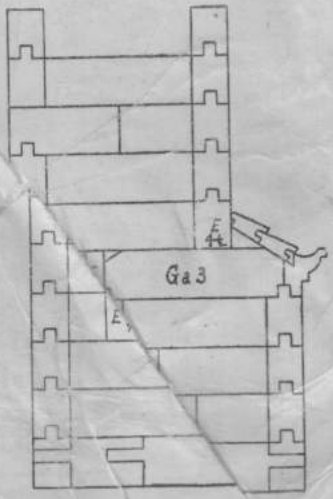
The frame piece $Ba4\frac{1}{2}$ is joined to $Bc1\frac{1}{2}$ by a connecting piece $J1\frac{1}{2}$ fitted into the mortices. The bricks on each side of the door posts are $A1$. On the left side of the lintel ($N3$) $E1\frac{1}{2}$ bi·s the side of the door to the $A\frac{3}{4}$ bricks which form the left side of the porch. On the right side $N3$ is $E\frac{3}{4}$. The right side of the porch is open above the second brick, which is $C\frac{3}{4}$. The third co se of bricks in front is $A\frac{1}{2}$, $D2$, $A\frac{1}{4}$, $D2$, $A\frac{1}{2}$.

Model 18.





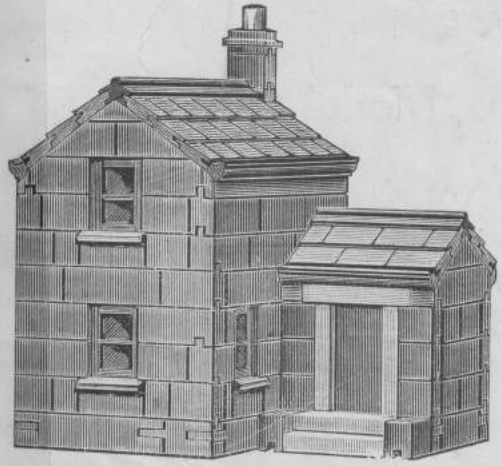
Left side of tower.

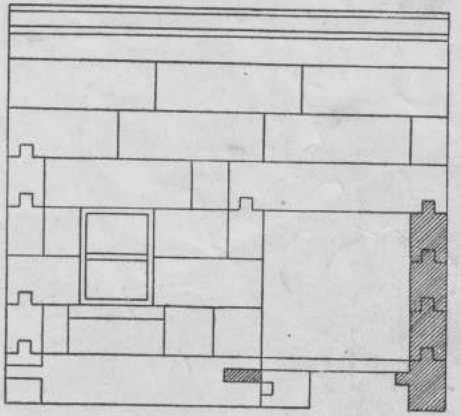


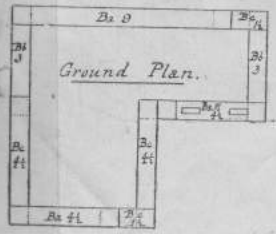
Right side of tow

Base frame as in Model 14. The back is left open below the eaves piece *P9*. The back of the tower is built up with *A* bricks on *E4½*. *Qb* and *Qa* tiles are used for portion of roof behind the tower

Model. 22.

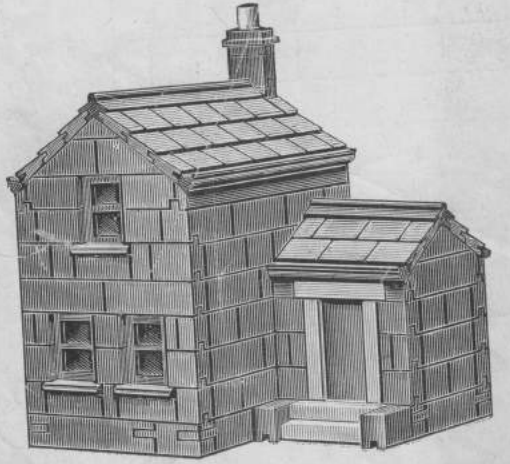




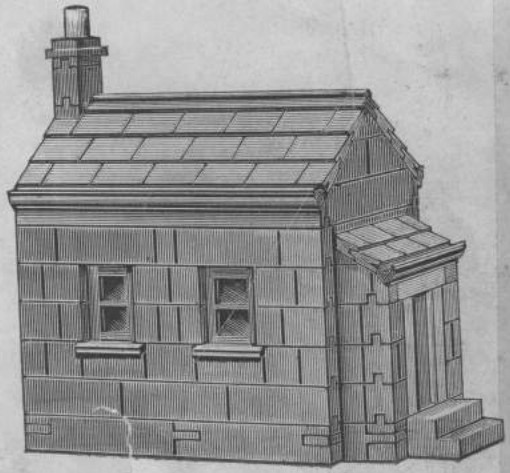


In this model and the next the ledges of the frame pieces $Bc4\frac{1}{2}$ must be turned outwards. $BaM4\frac{1}{2}$ is joined to $Bc4\frac{1}{2}$ by $J\ 1\frac{1}{2}$. If it is desired to lay a floor the floor boards may be supported, where there is no ledge, by C bricks, laid on their side as shown in the drawing above. The left side of the model is open. The elevation of the right side is shown above. The back may be built solid with bricks remaining over after building the walls shown in the illustrations.

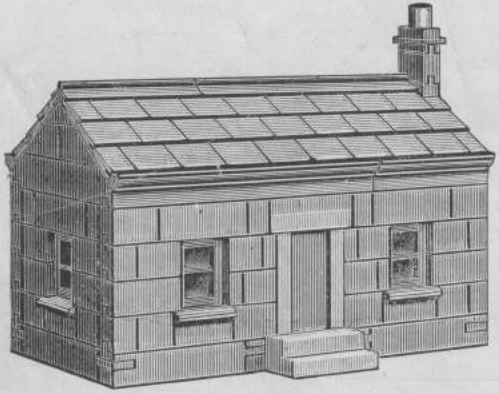
Model 23.



Model 24.

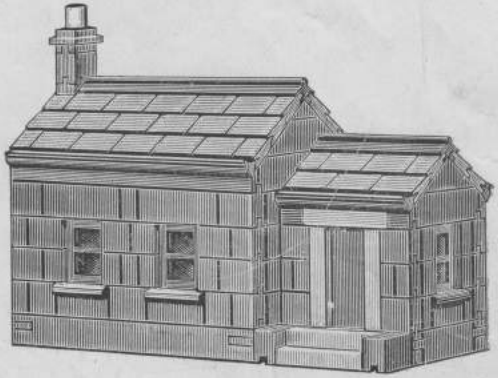


Model 25.



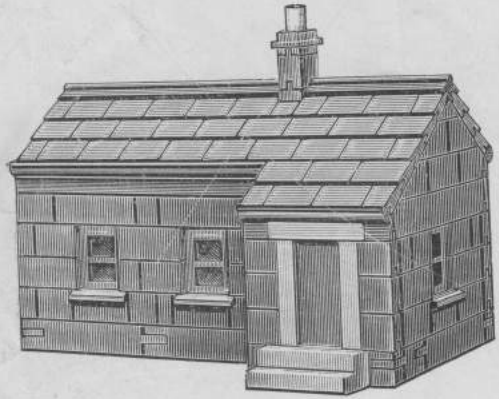
The frame pieces at the back are *Ba9* and *Ba4½*, joined by *J1½*. The back wall must be built solid for at least 5¼ inches from one end to support the inner ends of the eaves *P9* and *P4½*.

Model 26.

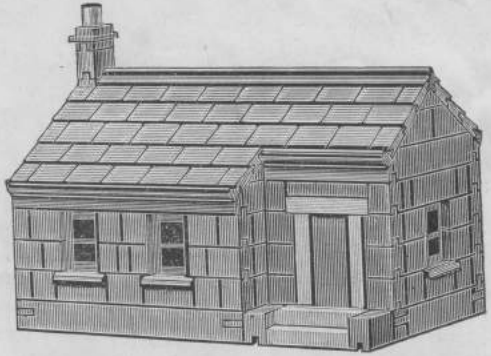


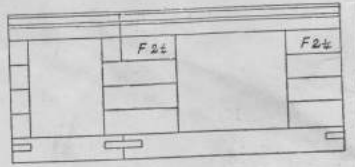
BaM4½ is joined to *Bc1½* by *J1½*.

Model 27.



Model 28.





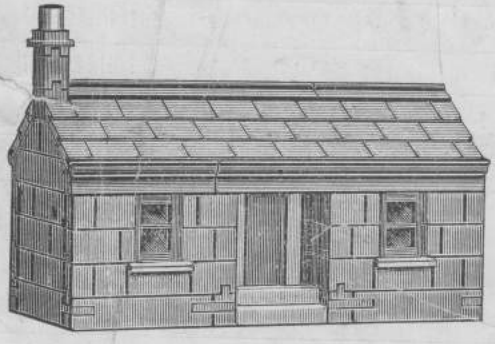
Back.

Frame as in Model 26.

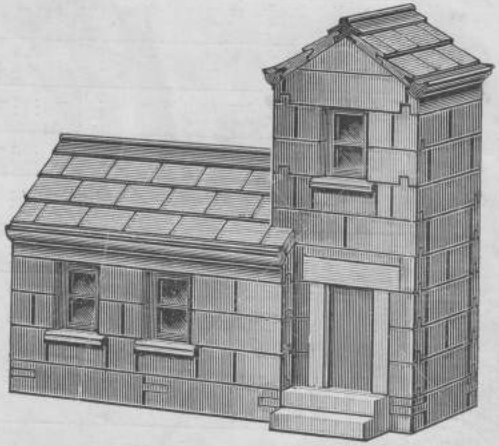
The porch binding pieces *Ga6* fit into $F4\frac{1}{2}$ at the back as in Model 15. The front and back eaves *P9* are connected by a pair of $Ga4\frac{1}{2}$. The back eaves $P4\frac{1}{2}$ which fits on to $F4\frac{1}{2}$ is bound at each end by $Ga1\frac{1}{2}$.

In each of these models the tiles in the front bottom row are *Qc*, *i.e.*, *Q* tiles with a rebate at the bottom instead of the groove.

Model 29.



Model 30.



After constructing the preceding models, the young builder should attempt some original designs. By purchasing Box L, material will be obtained to surround any of the models with walls and gates, as illustrated with Model 15. By the addition of other boxes more and larger models can be built. Box B, C, D, or K is recommended for use in conjunction with Box F.

Contents of Boxes and Prices of Separate Pieces.

NOTE.—In ordering separate pieces it is necessary to quote "1916 issue." If ordered direct from the manufacturers, 3d. must be added to the price for packing and postage.

Pieces.		Price.	s.	d.	Box A	Box B	Box C	Box D	Box E	Box F	Box L
Wall Bricks.	A¼	per doz.	0	6	...	...	...	...	...	4	...
	A½	,,	0	6	...	8	8	8	8	8	...
	A¾	,,	0	6	8	12	16	16	16	16	2
	A1	,,	0	6	...	2	2	8	8	8	...
	A1¼	,,	0	6	...	...	2	4	4	8	...
	A1½	,,	0	6	8	8	8	8	16	16	2
	A2¼	,,	0	9	...	...	...	...	4	8	...
	A3	,,	1	0	4	8	6	8	12	16	8
	AI 2¼	each	0	1	...	...	...	4	4	8	...
Frame Pieces.	Ba4½	,,	0	3	1	...	...	...	...	2	...
	Ba6	,,	0	3	...	1	...	...	...	...	...
	Ba7½	,,	0	3	...	...	1	1	...	...	...
	Ba9	,,	0	3	...	...	...	...	1	1	...
	BaM4½	,,	0	3	...	...	...	...	1	1	...
	BaM7½	,,	0	3	...	...	1	1	...	...	...
	Bb3	,,	0	3	...	...	2	...	2	2	...
	Bb4½	,,	0	3	...	...	...	1	...	1	...
	Bbf3¾	,,	0	3	2	2	...	...	...	...	...
	BbM4¼	,,	0	3	...	...	...	1	...	1	...
	Bc1½	,,	0	3	...	...	...	...	2	2	...
	Bc4½	,,	0	3	...	...	...	...	1	2	...
	Bd1½	,,	0	2	...	...	2	...	...	...	...
	Bd2¼	,,	0	2	...	...	...	2	...	...	...
	Bd3	,,	0	2	...	...	...	...	2	2	...
	Bf2¼	,,	0	2	...	...	...	...	...	...	4
Coping Bricks.	C¾	per doz.	0	6	...	...	...	...	4	4	2
	C1½	,,	0	6	2	4	1	2	2	2	2
	C2¼	,,	0	6	2	2	4	4	2	2	4
	C3	,,	0	6	2	2	2	2	4	4	9
Window Brick.	D2	,,	0	1	...	...	1	2	2	3	...
Corner Bricks.	E¾	each	0	1	...	...	2	4	4	4	...
	E1½	,,	0	2	...	...	...	...	...	4	...
	E2¼	,,	0	2	...	...	...	...	2	4	...
Binding Pieces.	E4½	,,	0	3	...	...	...	...	1	1	...
	F2¼	,,	0	2	...	...	...	...	...	2	...
	F4½	,,	0	3	...	...	...	...	1	1	...
	Ga1½	,,	0	2	...	...	...	...	...	2	...
	Ga3	,,	0	3	2	2	2	...	2	2	...
	Ga4½	,,	0	3	...	...	...	2	2	2	...
	Ga6	,,	0	3	...	...	...	...	...	2	...
Step.	H2½	,,	0	1	...	...	1	1	...	...	...
	H3	,,	0	1	...	...	...	...	1	1	...