

PLATE No. 17

## THREE SCREENS

### ARTICLE XVII.

An article that is of practical value in any room of the home is a screen, three examples of which are shown in drawings of Plate XVII. The arrangement of the working drawings has been so made as to conform with their structural lines, addition of parts and with the developed skill necessary in the making of the screens.

Plain white oak or quartersawed oak are the best materials that can be chosen for the construction of the articles shown on this page. The same may be said of a great number of other pieces of furniture shown in this series of drawings and articles on home furniture making.

The first screen is 66 inches in height and 24 inches deep. The drawing of but one section, however, is shown. To be complete

each screen must have three such sections as are designated in the drawings.

Each section for No. 1 has two vertical pieces  $\frac{7}{8} \times 2\frac{1}{2} \times 66$  inches; one top piece,  $\frac{7}{8} \times 2 \times 19$  inches (inside), or  $20\frac{1}{2}$  inches overall. The overall dimension includes the tenons. The bottom piece is  $\frac{7}{8} \times 5 \times 19$  inches (inside), or  $20\frac{1}{2}$  inches overall.

Screen No. 1 can be made pleasing if paneled in Japanese grass cloth, in some canvas, in denim or leather. For one section Screen No. 1 requires the following pieces from the mill:

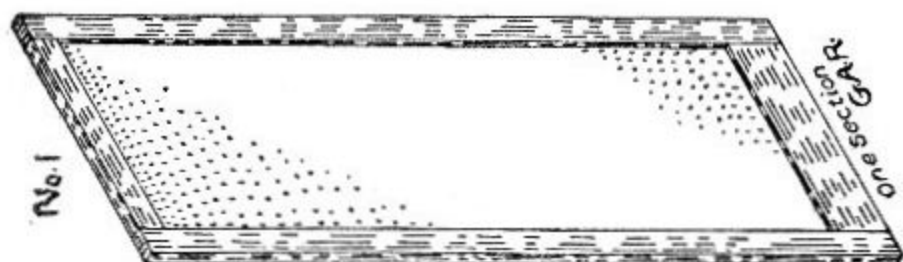
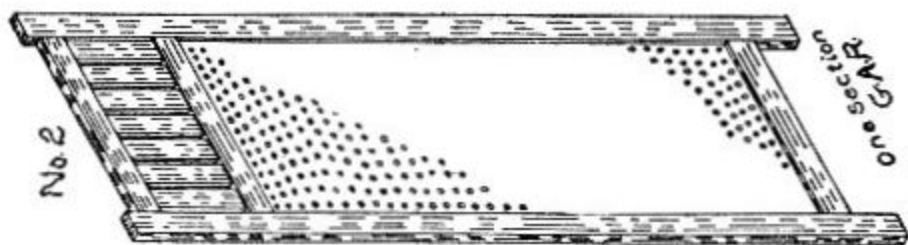
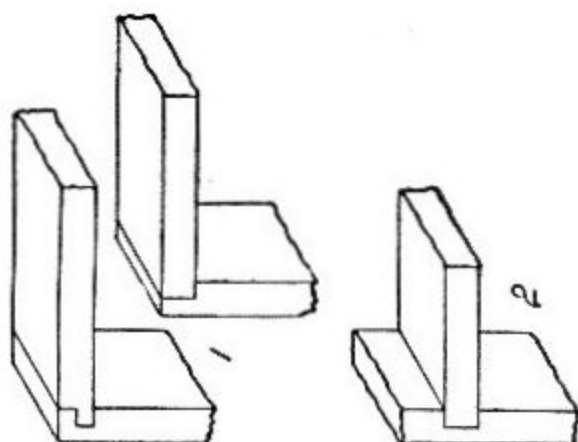
Two vertical pieces— $\frac{7}{8} \times 3 \times 66\frac{1}{2}$  inches.

One top piece— $\frac{7}{8} \times 2\frac{1}{2} \times 20\frac{1}{2}$  inches.

One bottom piece— $\frac{7}{8} \times 5\frac{1}{2} \times 20\frac{1}{2}$  inches.

The height of screen No. 2 is 68 inches and its width is 22 inches. Each section has two vertical pieces  $\frac{3}{4} \times 2\frac{1}{4} \times 68$  inches, two upper horizontal pieces,  $\frac{3}{4} \times 2 \times 17\frac{1}{2}$  inches (inside), or 19 inches overall, one bottom piece,  $\frac{3}{4} \times 2\frac{1}{4} \times 17\frac{1}{2}$  inches (inside), or 19 inches overall and seven slats on top,

$1\frac{1}{2}$ x2x8 inches (inside), or  $9\frac{1}{2}$  inches over-





are  $\frac{3}{4} \times 2 \times 18$  inches (inside),  $19\frac{1}{2}$  inches overall. The bottom horizontal piece is  $\frac{3}{4} \times 3 \times 18$  inches (inside),  $19\frac{1}{2}$  inches overall. Three inside pieces are  $\frac{3}{4} \times 3 \times 41$  inches. The thin panel pieces are  $\frac{3}{8} \times 2 \times 41$  inches. Order the following pieces in making screen No. 2. The list bears reference to one section only:

Two vertical pieces— $\frac{3}{4} \times 2\frac{1}{2} \times 68\frac{1}{2}$  inches.

Two upper pieces— $\frac{3}{4} \times 2\frac{1}{2} \times 19$  inches.

One bottom piece— $\frac{3}{4} \times 2\frac{1}{2} \times 19$  inches.

Seven slats— $\frac{1}{2} \times 2\frac{1}{2} \times 9\frac{1}{2}$  inches.

Each section for screen No. 3 requires the following pieces:

Two vertical pieces— $\frac{3}{4} \times 2\frac{1}{2} \times 67\frac{1}{2}$  inches.

Two upper pieces— $\frac{3}{4} \times 2\frac{1}{2} \times 19\frac{1}{2}$  inches.

One bottom piece— $\frac{3}{4} \times 3\frac{1}{2} \times 19\frac{1}{2}$  inches.

Three inside pieces— $\frac{3}{4} \times 3\frac{1}{2} \times 41\frac{1}{2}$  inches.

Four panel pieces— $\frac{3}{8} \times 2\frac{1}{2} \times 41\frac{1}{2}$  inches.

Note—The panel cloth or leather can be held in place around its border by means of strips about  $\frac{3}{4}$  inch wide and about  $\frac{1}{4}$  of an inch thick. Do not omit to specify

enough material for strips in the mill order if the above method of fastening is observed.

Under the heading of "Hints to Amateurs" the author is giving in this and succeeding articles, clear illustrations of common joints that are met by woodworkers every day. Illustration 1 shows two types of a ledge, rebate or rabbet joint. Such joints are appropriate when applied to boxes.

Illustration 2 is a typical example of a dado, gained or grooved joint. For examples of such a joint one will have to look at the making of some boxes, the supporting of the bottom of a drawer or that of shelves on "uprights."