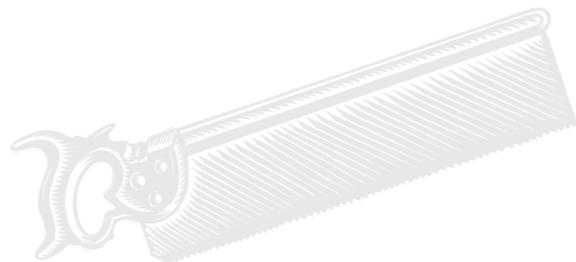
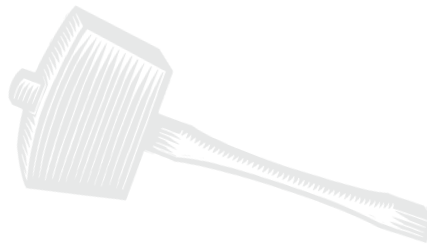
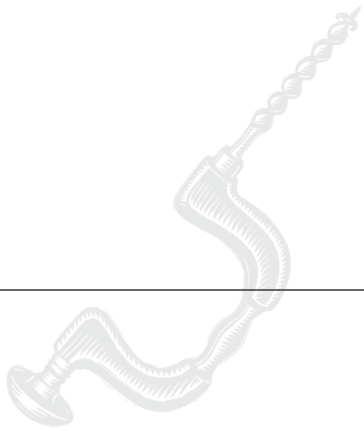
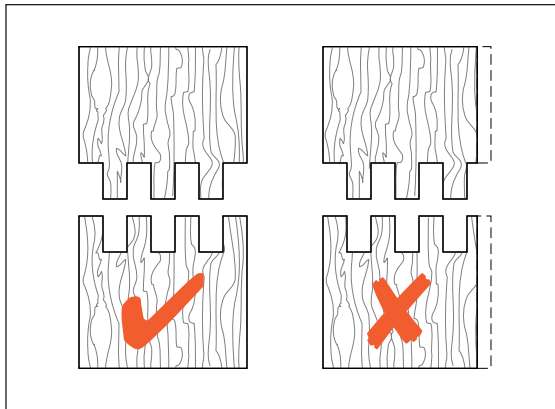


# Board Width Selection

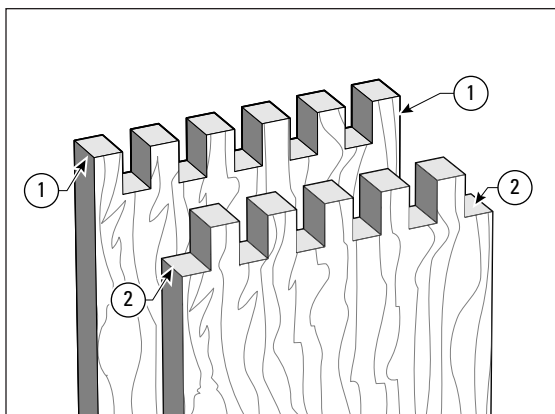






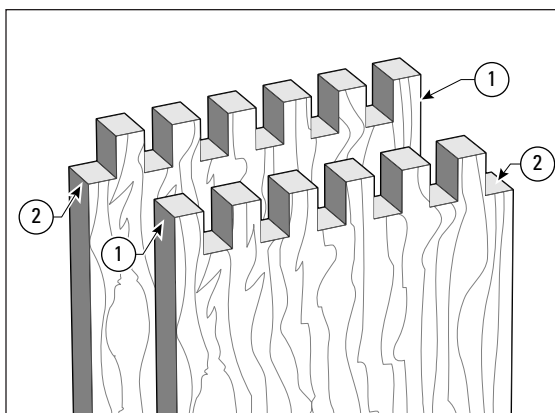
### 5-1 Board Widths and Joint Symmetry

Unlike the infinitely variable Leigh Dovetail Jig, a fixed template cannot accommodate any width of board and still produce a neat and even finish on both side edges of a joint. The boards must be cut to specific widths, depending on the pitch of the comb.



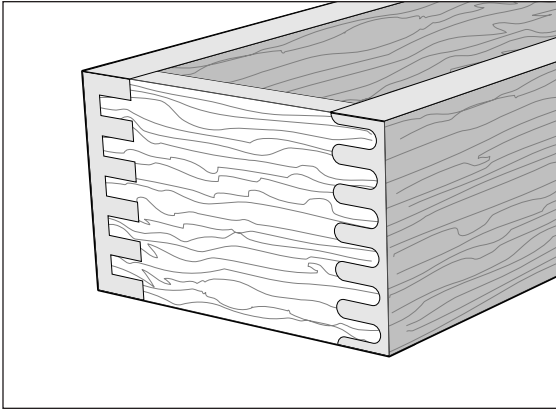
### 5-2

Symmetrical joints have fingers ① on both side edges of one board and sockets ② on both side edges of the mating board.

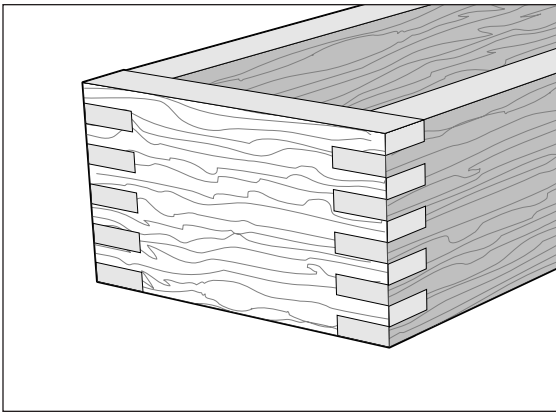


### 5-3

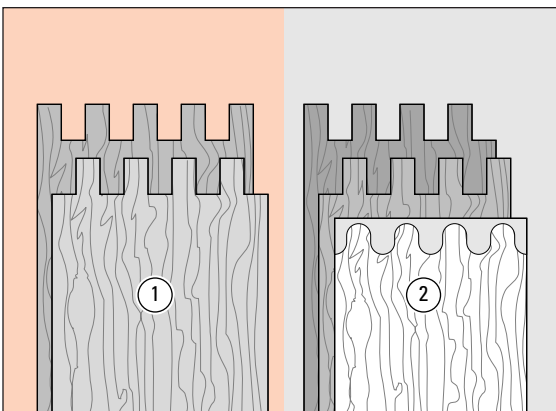
Asymmetrical joints have a finger ① on one side edge and a socket ② on the other side edge of each board.

**5-4**

Symmetrical joints are essential for half-blind corners and rounded finger joints.

**5-5**

However, ordinary box joints may be asymmetrical and look okay.

**5-6**

Note: Because the Leigh VGS allows for fit adjustment on template size, the pitch widths have been made slightly greater than the nominal pitch, i.e. slightly more than two times the cutter diameter. To make symmetrical square joints ①, use the board widths in red. For asymmetrical square joints and symmetrical round joints ②, use the board widths in black. Inch board widths are on page 37. Millimetre board widths are on page 38. For wider box joints see chapter 11 page 79.

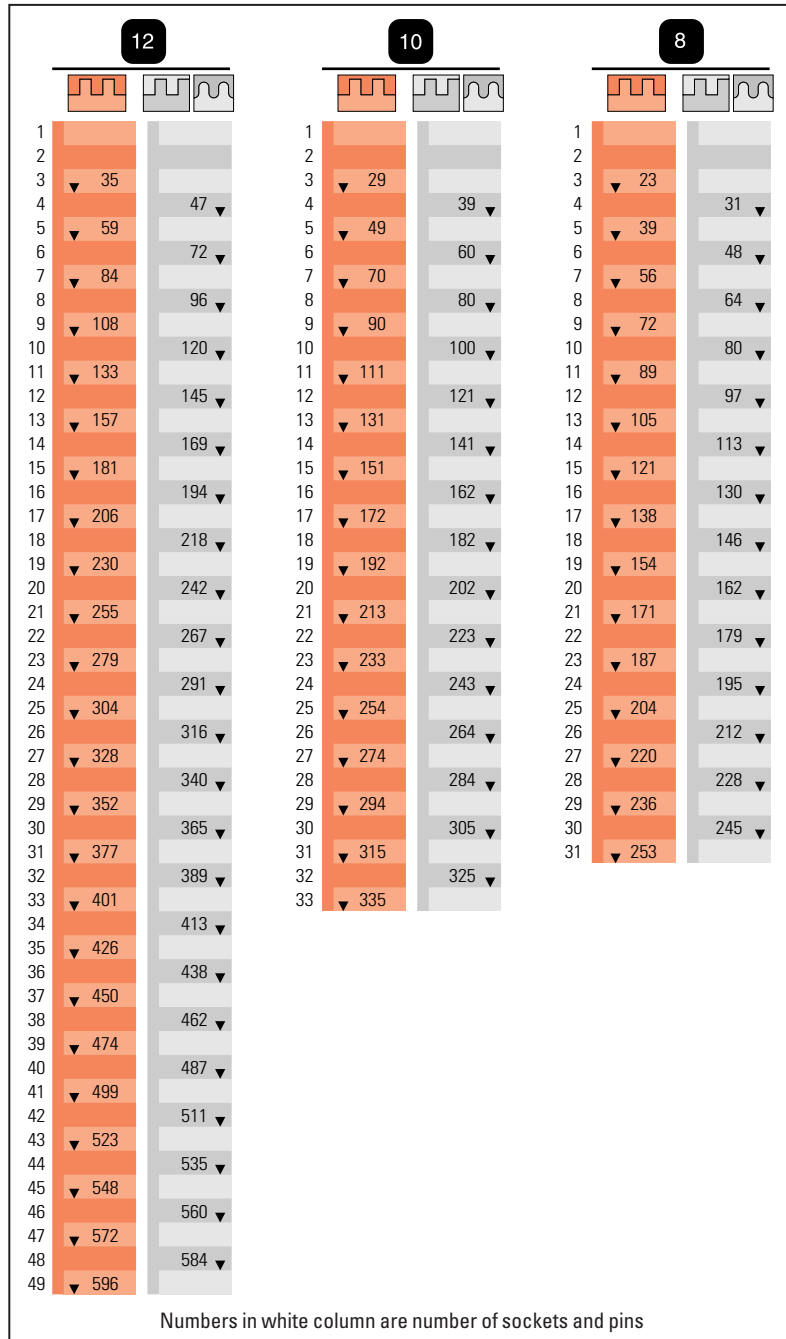
### BOARD WIDTH CHART (INCHES)

1/2"		3/8"		5/16"		1/4"	
1	2	1	2	1	2	1	2
1		1		1		1	
2		2		2		2	
3	1.462 ▼ 1 15/32	3	1.087 ▼ 1 3/32	3	0.900 ▼ 0 7/8	3	0.712 ▼ 0 23/32
4		4		4	1.220 ▼ 1 7/32	4	
5	2.478 ▼ 2 15/32	5	1.853 ▼ 1 7/8	5	1.541 ▼ 1 17/32	5	1.228 ▼ 1 7/32
6		6		6	1.861 ▼ 1 27/32	6	1.486 ▼ 1 1/2
7	3.494 ▼ 3 1/2	7	2.619 ▼ 2 5/8	7	2.182 ▼ 2 3/16	7	1.744 ▼ 1 3/4
8		8		8	2.502 ▼ 2 1/2	8	
9	4.510 ▼ 4 1/2	9	3.385 ▼ 3 3/8	9	2.823 ▼ 2 13/16	9	2.260 ▼ 2 1/4
10		10		10	3.143 ▼ 3 5/32	10	2.518 ▼ 2 17/32
11	5.526 ▼ 5 17/32	11	4.151 ▼ 4 5/32	11	3.464 ▼ 3 15/32	11	2.776 ▼ 2 25/32
12		12		12	3.784 ▼ 3 25/32	12	3.034 ▼ 3 1/32
13	6.542 ▼ 6 17/32	13	4.917 ▼ 4 29/32	13	4.105 ▼ 4 3/32	13	3.292 ▼ 3 9/32
14		14		14	4.425 ▼ 4 7/16	14	3.550 ▼ 3 9/16
15	7.558 ▼ 7 9/16	15	5.683 ▼ 5 11/16	15	4.746 ▼ 4 3/4	15	3.808 ▼ 3 13/16
16		16		16	5.066 ▼ 5 1/16	16	4.066 ▼ 4 1/16
17	8.574 ▼ 8 9/16	17	6.449 ▼ 6 7/16	17	5.387 ▼ 5 3/8	17	4.324 ▼ 4 11/32
18		18		18	5.707 ▼ 5 23/32	18	4.582 ▼ 4 19/32
19	9.590 ▼ 9 19/32	19	7.215 ▼ 7 7/32	19	6.028 ▼ 6 1/32	19	4.840 ▼ 4 27/32
20		20		20	6.348 ▼ 6 11/32	20	5.098 ▼ 5 3/32
21	10.606 ▼ 10 19/32	21	7.981 ▼ 7 31/32	21	6.669 ▼ 6 21/32	21	5.356 ▼ 5 11/32
22		22		22	6.989 ▼ 7	22	5.614 ▼ 5 5/8
23	11.622 ▼ 11 5/8	23	8.747 ▼ 8 3/4	23	7.310 ▼ 7 5/16	23	5.872 ▼ 5 7/8
24		24		24	7.630 ▼ 7 5/8	24	6.130 ▼ 6 1/8
25	12.638 ▼ 12 5/8	25	9.513 ▼ 9 1/2	25	7.951 ▼ 7 15/16	25	6.388 ▼ 6 3/8
26		26		26	8.271 ▼ 8 9/32	26	6.646 ▼ 6 21/32
27	13.654 ▼ 13 21/32	27	10.279 ▼ 10 9/32	27	8.592 ▼ 8 19/32	27	6.904 ▼ 6 29/32
28		28		28	8.912 ▼ 8 29/32	28	7.162 ▼ 7 5/32
29	14.670 ▼ 14 21/32	29	11.045 ▼ 11 1/32	29	9.233 ▼ 9 7/32	29	7.420 ▼ 7 13/32
		30		30	9.553 ▼ 9 9/16	30	7.678 ▼ 7 11/16
		31	11.811 ▼ 11 13/16	31	9.874 ▼ 9 7/8	31	7.936 ▼ 7 15/16
		32		32	10.194 ▼ 10 3/16	32	8.194 ▼ 8 9/16
		33	12.577 ▼ 12 9/16	33	10.515 ▼ 10 1/2	33	8.452 ▼ 8 7/16

Numbers in white column are number of sockets and pins

Note: Decimals show exact board width. Use to the nearest 1/32" for width selection. To make symmetrical square joints, use the board widths in red. For asymmetrical square joints and symmetrical round joints, use the board widths in black.

BOARD WIDTH CHART (MILLIMETRES)



Note: Use to the nearest millimetre for width selection. To make symmetrical square joints, use the board widths in red. For asymmetrical square joints and symmetrical round joints, use the board widths in black.