

# FRAME CONSTRUCTION -T' and 'X' Joints

**STANLEY**

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Possible arrangements.

T-Joint  
X-Joint

CAN YOU FIND ANY IN YOUR ROOM?

### Simple 'T' and 'X' Joints

Cross Halving  
Through Mortise and Tenon  
Dovetail 'T'-Halving  
Common Bridle

CAN YOU NAME ANY MORE?

### Procedure for making a 'T'-Halving

MARK OUT PARTS TO FOLLOWING PROPORTIONS.

Pin  
Shoulder  
Groove/Socket  
WIDTH OF PIN

WHY IS WASTE LEFT?

ALL MARKING CARRIED OUT FROM THE FACE SIDE OR FACE EDGE.

### Cutting the Socket

① SAW WASTE.

Wood held in vice or on bench hook.  
Make 3 or more cuts.  
Saw cuts to line.  
Saw cuts below gauge line.

② REMOVE WASTE.

N.B. Chisel may be inverted as shown.

Note position of hands.  
Waste wood  
Work held securely in vice.

N.B. Keep all parts of the body behind cutting edge.

Take a series of cuts finishing on the line.

(a) (b) (c)

### Cutting the Pin

① SAW FACE OF PIN IN THE FOLLOWING MANNER.

(a) Wood at angle - easier to see line and control saw.  
(b) Wood at angle - easier to see line and control saw.  
(c) Wood at angle - easier to see line and control saw.

✓ Saw cut on waste side of line.  
✗ Saw cut on line.

② SAW SHOULDER.

Place wood in vice or on bench hook.

✓ Shoulder square.  
✗ Shoulder not square.  
✗ Cut below line.

③ ASSEMBLE JOINT, CLEAN OFF WASTE.

### Tools required

MARKING OUT: Pencil, Knife, Rule, Try Square, Marking Gauge.  
CUTTING TOOLS: Saw, Chisel/Mallet.  
HOLDING AIDS: Bench Hook, Vice/'G' Cramp, Holdfast.  
EXTRAS: Waste wood to protect bench.