# Wheel Barrow

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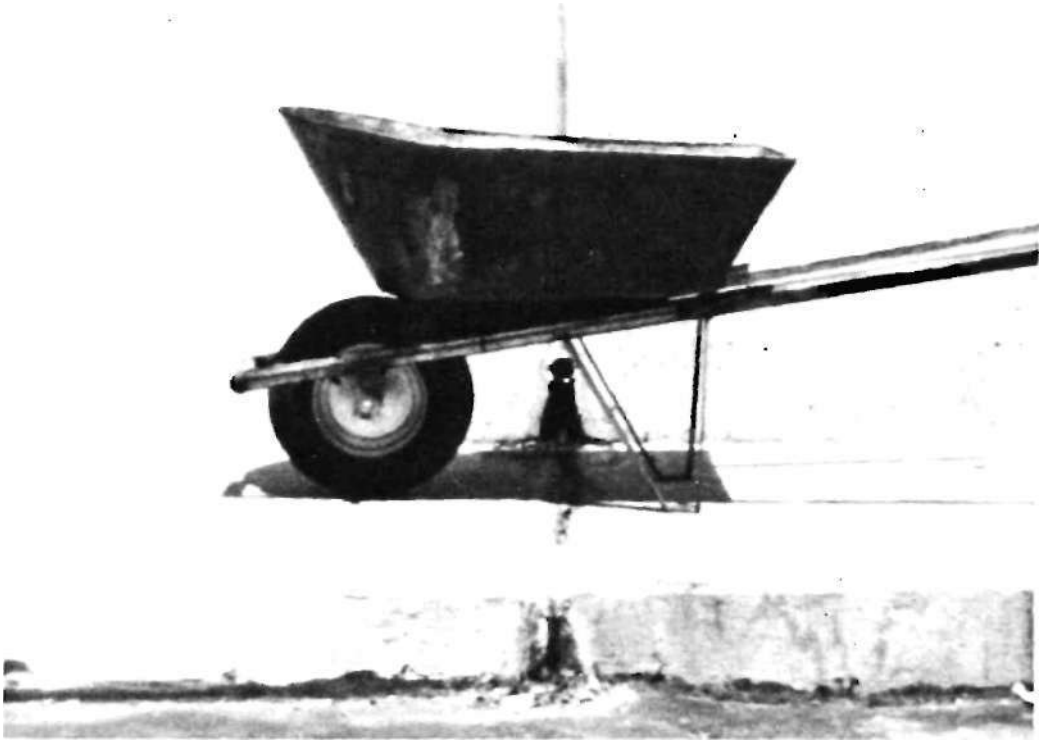

**Constructing the Bottom**
Draw a half circle *1[3]A"* radius and extending lines 19%" on a five degree angle on both ends of the half circle. After you have done this draw the connecting line. (It should come out to be *\1[}]A").* Cut out pattern.

**Constructing the Sides**
Take a large piece of metal and draw two squares 2' long and *IV2"* wide. Then cut off a 45° angle on one of the corners. Final measurements should now be 24" x I9[7]/s" x *TV:" x* 11".

**Constructing the Back**
To make the back, shear a piece of metal 25%" x *T/2".* Then, take a combination square, set on 45° and cut it on both sides of the piece of metal at the corners. Final size should be25%"x II" x I7%".

**Constructing the Front**
To make the front of the bed, draw a semi circle 13%" radius and *T/2"* wide, cut it out and roll it to fit the bottom and the sides of the wheelbarrow.

**Constructing the Frame**
To make the frame take two 54[3]/4" pipe *V2"* in diameter and cut one end off each pipe end at 45°. After you have done this take a 13%" pipe and cut off both ends at a 34° angle. Fit the three pieces of pipe together. The open ends should measure 22[1]/<i". To make it stronger make a base 1" wide 14'/2" long and set it *\5[J]A"* from the front. When parts are positioned, tack all pieces.

**Constructing the Wheel Supports**
Draw 2 squares 4 x *2"* on a [3]/s" plate (mild steel). Using the shear cut them out. Using a combination square, cut a 70° angle on the edge of both pieces of metal. After it is cut, drill a *W* hole for the axle. To find the approximate plate to drill the hole measure 1 x 1" on the opposite side of the 70° cut side.

**Constructing Legs and Leg Supports**
Shear out two strips of metal 17%" long and 1" wide. Then cut two strips *\6[i]A"* long and 1" wideon[3]/i6" metal. Join the two strips of metal by a piece of metal 3" long and 1" wide to form the legs. (The two 17%" strips are set at a 65° angle).

**Constructing the Cross Brace**
Shear out two strips 18" long and I" wide. Place one side 5" from bottom of legs and place other end 4%" from the top of legs. Then cross other strip to the same measurements.