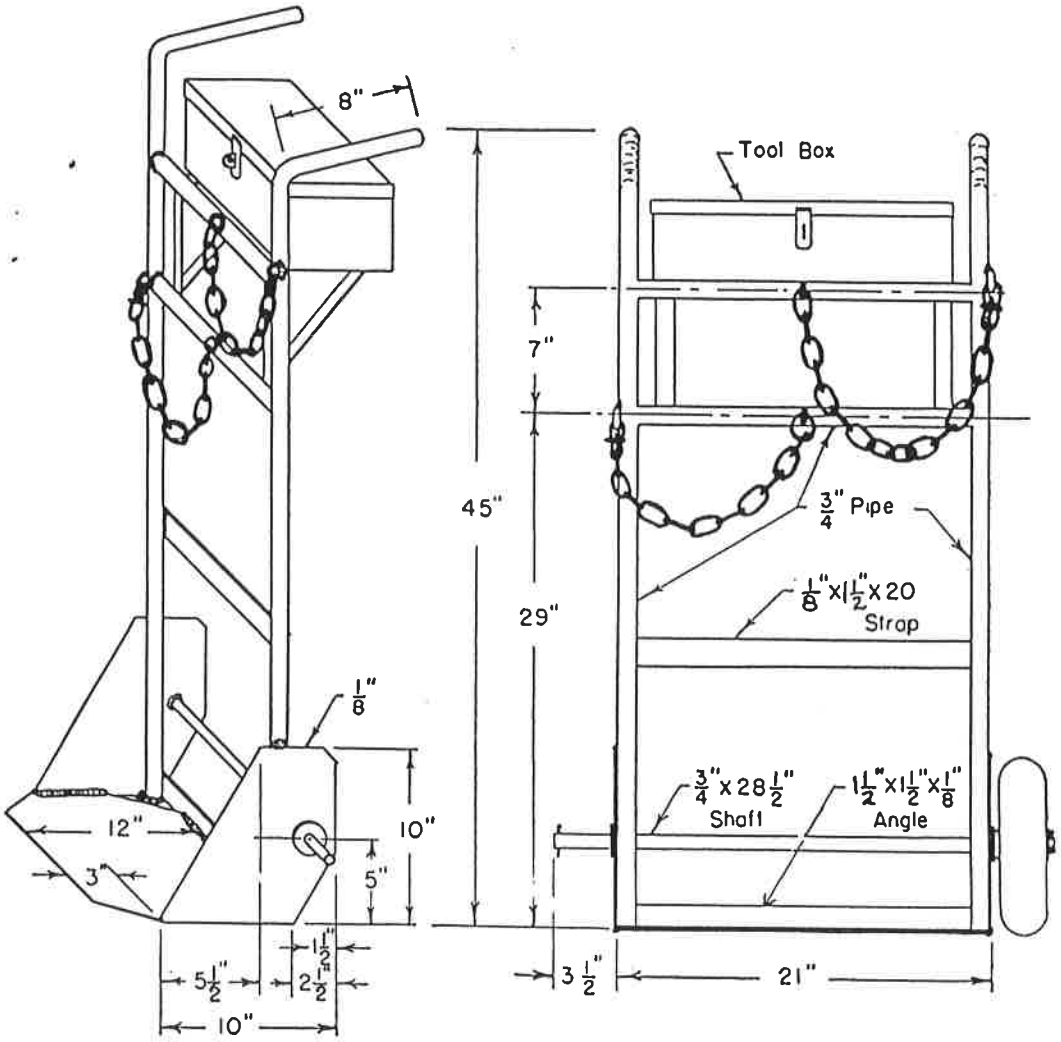

Oxy-Acetylene Cart—Safety and convenience are important considerations in handling oxy-acetylene equipment. Figure 21.33 suggests a plan for building a cart that is easy to move, yet safeguards the equipment. It is relatively easy to load the tanks on the sheet steel base. The double chain holds one tank securely while the other is being changed. The chain tighteners hold the tanks rigid when the cart is moved. J. D. Wadsworth suggests that the oxygen side of the cart be enameled green and the acetylene side red. This should eliminate an attempt to attach the high chain around the acetylene tank. Although steel wheels 8″ to 12″ in diameter may be used, pneumatic tires make it easy to move the cart. A wood panel with clips for mounting the torch and a rack for tips may be attached to the frame below the tool box. Two L-shaped arms may be welded to the outside of one of the handles for winding the hose.

Suggested bill of materials:

21′—1½″ x 1½″ x ⅛″ angle iron
2—⅛″ x 10″ x 10″ steel plate
1—⅛″ x 12″ x 21″ steel plate
1—5″ x 6″ x 17″ tool box
11′-6″—¾″ black iron pipe
42″—¼″ link chain
2—¼″ x 4″ chain tighteners
2—2.75″ x 10″ wheelbarrow wheels and tires
1—⅝″ shaft, 28½″ long