

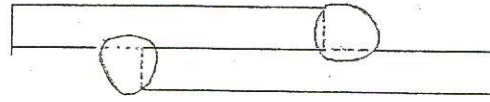
# ARC WELDING

## EXERCISE 3

Make a lap joint of two pieces of flat stock.

- Lap one piece of flat stock over another about 1". Use  $\frac{1}{4}$ " thick metal, 6" long, 2" wide.
- Lay a bead along the end of one lap welding it to the other piece.
- Turn joint over and do same at other end of lap.

LAP JOINT

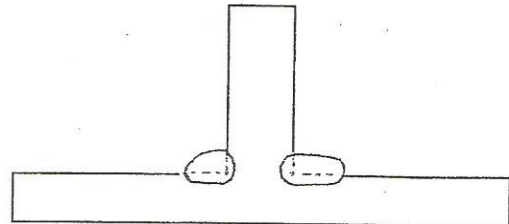


## EXERCISE 4

Make a tee joint of two piece of flat stock.

- Hold one piece of flat stock edgewise or perpendicular to a second piece. Use  $\frac{1}{4}$ " tick metal, 6" long, 2" wide.
- Lay a bead along the entire corner formed by the joint.
- Lay a bead along the corner on other side.

TEE JOINT

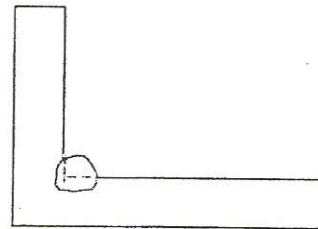


## EXERCISE 5

Make a corner joint of two pieces of metal.

- Set one piece of metal on edge.
- Lay another piece of metal flatways and parallel to first, forming a corner where they join.
- Lay a bead along inside corner of joint.
- Use  $\frac{1}{4}$ " thick metal, 6" long, 2" wide.

CORNER JOINT



## EXERCISE 6

Make an outside weld of two pieces of flat stock.

- Cut two pieces of flat stock  $\frac{1}{4}$ " thick, 6" long, 2" wide.
- Place pieces so long edges are parallel.
- Arrange so that pieces make a 90 degree angle with inside edges touching.
- Lay a bead along the outside corner completing weld.

