



FIG. 41. CHAIN WITH RING AND GRAB HOOK.

### CHAIN LINKS

The making of chain links is intended almost wholly for making repairs, tho a whole chain may be made, Fig. 41.

#### How to Make a Chain Link

1. Read and study the Lap Weld and Plate 18 first.
2. Upset the ends as in 2, Plate 20.
3. Bend over the horn of the anvil to the shape indicated in 3.
4. Scarf the ends as shown in 3. They are shaped just as for the welded ring. See Figs. 42 and 43. Remember to make the scarfs on *opposite* sides of the two prongs of the link.
5. Shape the link as shown in 4, Plate 20.
6. Weld and shape as in 5.
7. Figure out the stock necessary for this link. See Plate 1 and directions. Add about  $\frac{1}{8}$  inch to the length to make up for the loss in welding and scaling.



FIG. 42. FIRST STEP IN SHAPING A SCARF.

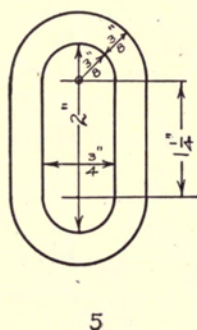
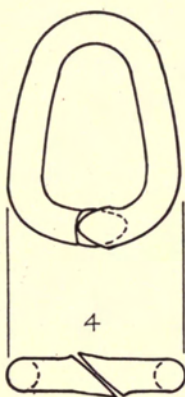
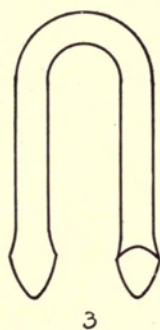
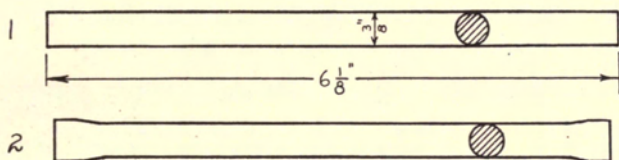


FIG. 43. BENDING POINT OF SCARF.

### How to Make a Chain

1. Weld two links separately.
2. Weld these two together with a third.
3. Weld three more in the same manner.
4. Weld the two groups of three together with a seventh.
5. When a large number of links are to be made do all the shaping first and then the welding.

# CHAIN LINKS



UNIVERSITY OF CALIFORNIA

# FARM BLACKSMITHING

A TEXTBOOK AND  
PROBLEM BOOK FOR STUDENTS IN AGRICULTURAL  
SCHOOLS AND COLLEGES, TECHNICAL  
SCHOOLS. AND FOR FARMERS

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