

## RING

This ring is of size frequently used on a farm. By following the method given in the note on page 18 the amount of stock necessary for any ring may be found. Be sure to read what is written about tools in the first section of this book, unless you already know the names and uses of common blacksmith tools. Read all the directions before you begin work



FIG. 12. SQUARING AN END,  
ALSO UPSETTING.

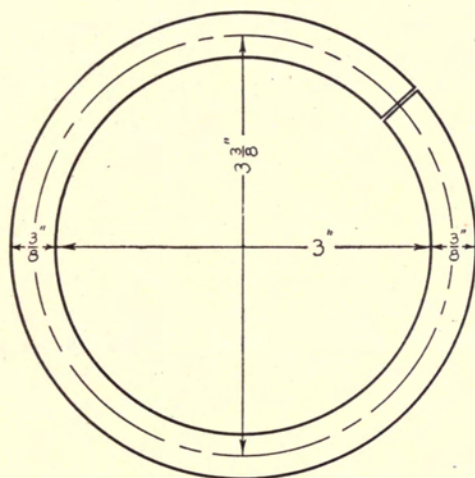
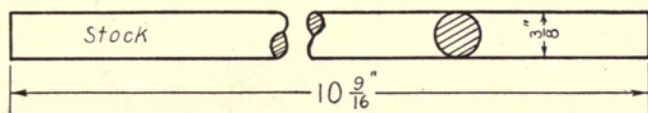


FIG. 13. BENDING OVER THE  
HORN OF THE ANVIL.

### How to Make the Ring

1. Cut a piece of stock to the dimensions given on Plate 1.
2. Heat to a cherry red, no hotter, and square both ends as shown in Fig. 12. Use a link tongs. In all blacksmithing always square the ends of your stock first.
3. Heat and bend one-third of the rod over the horn of the anvil as shown in Fig. 13.
4. Bend the other end in the same way.

# RING



5. Heat and bend the center so that the two ends will come together.

6. True the ring where necessary over the horn of the anvil, or a mandrel if you have one. If the two ends are filed a trifle just before the bending is completed they can be brought together in a better joint. Fig. 14 shows the completed ring.

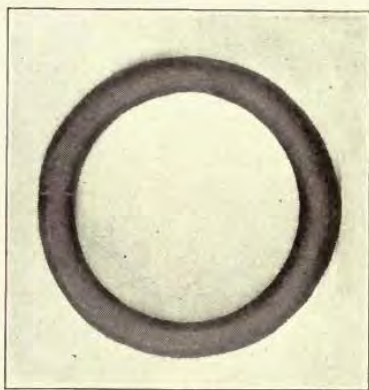


FIG. 14. RING.

7. Blacken. To do this, heat slightly in a smoky fire and rub with oily cotton waste or cloth.

*Note.*—To find the amount of stock needed for a ring add the thickness or diameter of the iron to the inside diameter of the ring. Multiply this sum by  $3\frac{1}{7}$ . What you really do is to multiply the diameter running thru the center of the iron by  $3\frac{1}{7}$ . See Plate 1.

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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