

STRAP BOLT

Considerable care is necessary in shaping the threaded end of the strap bolt. The thin metal has a strong tendency to lap over on the edges when being hammered down to the $\frac{3}{8}$ -inch round.

How to Make the Strap Bolt

1. On one end hammer down about three inches of the stock until it is almost square. Hammer on four sides, when necessary, to prevent the edges from folding over.

2. Round the end just drawn out square so that it will be like the drawing, Plate 15.

3. If the rounded part is less than $\frac{3}{8}$ inch in diameter, upset as much as is necessary and round the end again.

4. Drill three $\frac{1}{4}$ -inch holes as shown in Plate 15 and Fig. 32.

5. Bend A in the vise or over the anvil.

6. Bend B around a square piece of iron clamped in the vise, just as in 4, under "How to Make a Spring Seat Hook," Plate 12.

7. Thread the end with a $\frac{3}{8}$ -inch die.

Notes.—Always measure the height of the side boards of the wagon box to determine how long the strap bolts should be.

Should the edges fold over when you are drawing the end round bring the iron to a welding heat (see Lap Weld, Plate 18, for welding) and hammer all around the end.

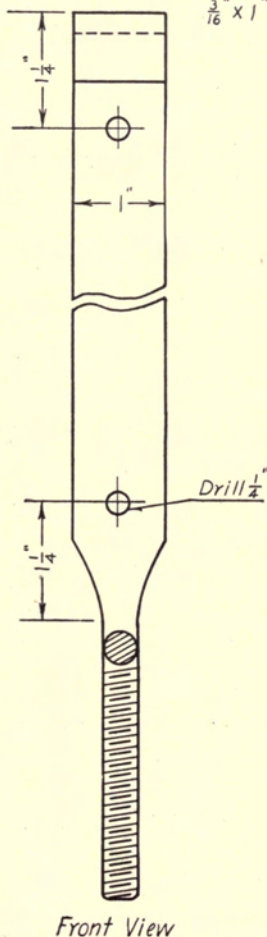
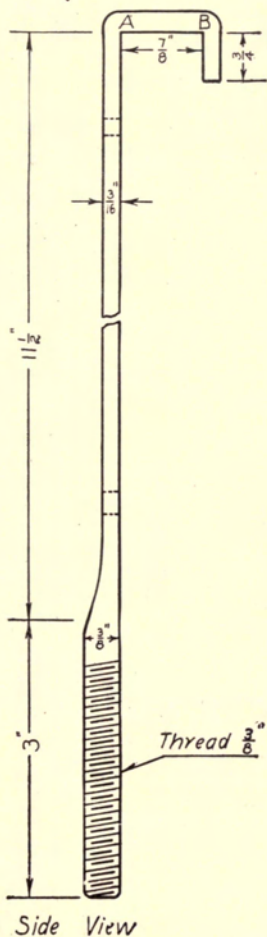
The end of the round part must be absolutely round, or the die will fail to catch and will simply cut away the stock around the outside.



FIG. 32.
STRAP BOLT.

STRAP BOLT

Stock
 $\frac{3}{16}$ " x 1" x 16"



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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