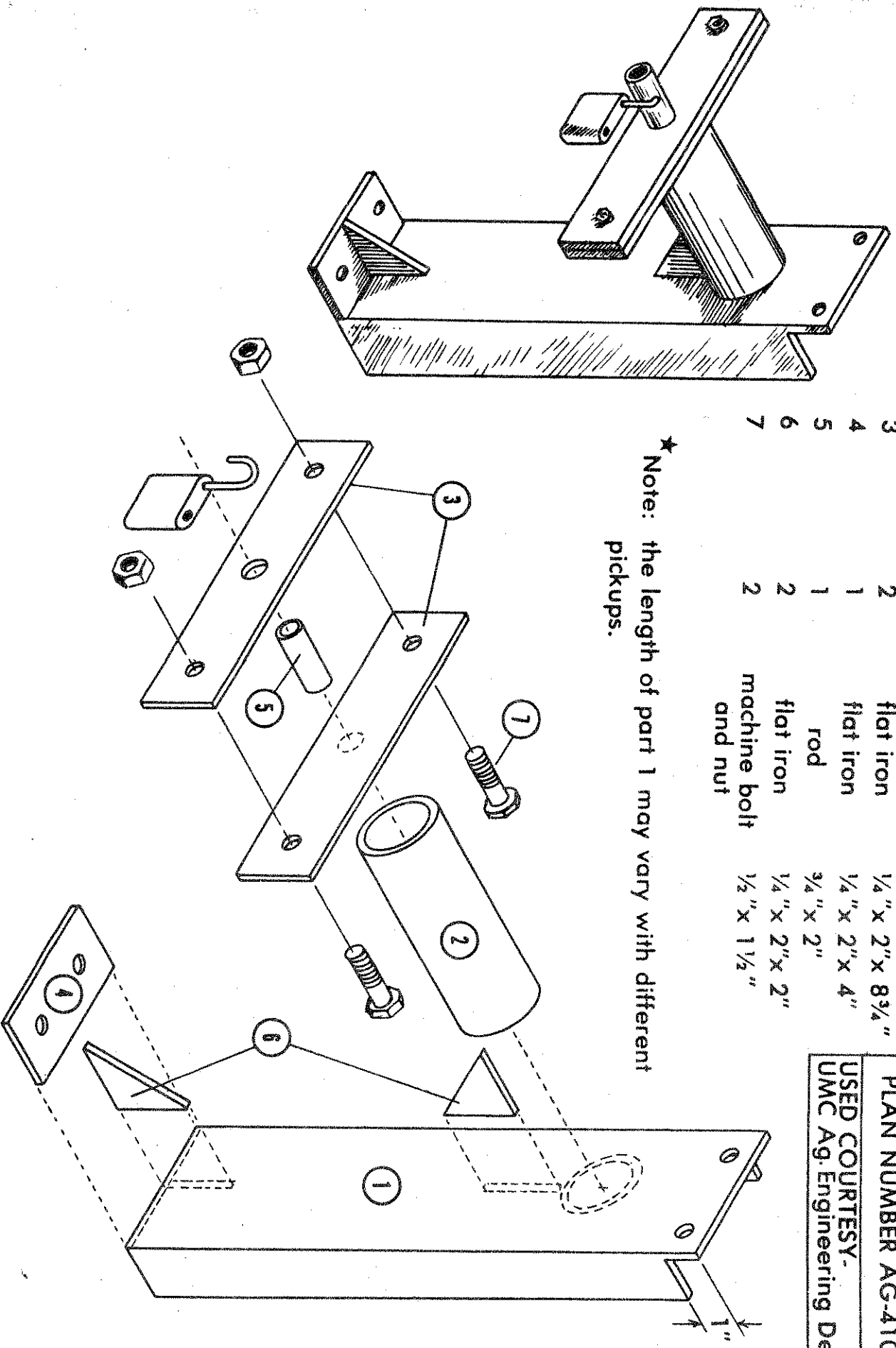


Part Number Number of Pieces

Part Number	Number of Pieces	Material	Dimensions
1	1	channel iron	4"x 16 <sup>3</sup> / <sub>8</sub> "★
2	1	pipe	1 1/2" x 6"
3	2	flat iron	1/4" x 2" x 8 3/4"
4	1	flat iron	1/4" x 2" x 4"
5	1	rod	3/4" x 2"
6	2	flat iron	1/4" x 2" x 2"
7	2	machine bolt and nut	1/2" x 1 1/2"

★ Note: the length of part 1 may vary with different pickups.



PICKUP SPARE TIRE HOLDER
SCALE: 1/4" = 1"
DRAWN BY: DSS
PLAN NUMBER AG-410-P
USED COURTESY - UMC Ag. Engineering Dept.

## PICKUP SPARE TIRE HOLDER

### CONSTRUCTION PROCEDURE:

1. Cut one piece of 4" channel iron 16 3/8" long. (Part #1)  
(Note: Some pickup beds have different depths and will require a different length of channel iron.)
2. Cut 1" of the legs off the top of the channel iron. Drill 2 holes 3/8" diameter, 1/2" from the top of the channel iron and 1" from each side.
3. Cut one piece of 1 1/2" pipe 6" long. (Part #2)
4. Cut two pieces of 1/4" x 2" flat iron 8 3/4" long. (Part #3)  
Drill a 3/4" hole in the center of one of these pieces. Center these two pieces on top of the spare tire rim and mark for a hole on each end where the lug bolt will penetrate. Drill these 4 holes to 1/2" diameter.
5. Cut one piece of 3/4" rod 2" long. (Part #5)  
Drill a 1/4" hole through this 3/4" rod approximately 1/2" from the front end to allow room for a padlock to enter.
6. Weld the 3/4" rod (Part #5) to the center of the 1/4" x 2" flat iron piece which does not have a 3/4" hole. (Part #3)  
Center this piece on top of the 1 1/2" pipe (Part #2) and weld solid.
7. Cut one piece of 1/4" x 2" flat iron 4" long. (Part #4)  
Drill two holes 3/8" diameter 1" from each end and centered. Position this piece perpendicular to the bottom of the 4" channel and weld.
8. Cut a piece of 1/4" x 2" x 2" flat iron diagonally into 2 equal triangular pieces. (Part #6) Use these for braces as shown in the drawing.
9. Now the tire holder mechanism is ready to be welded to the channel iron. The position at which it is welded will depend on the size of the tire. It is suggested you attach your tire to the mechanism and place the pipe perpendicular to the channel iron so the tire is just resting on the bed of the truck. Place the braces (Part #6) into position and weld.
10. Remove all slag and grind sharp edges. Clean metal properly with a grease and oil remover if needed.
11. Prime with a rust-inhibiting paint.
12. After primer coat of paint has dried, paint with a suitable metal enamel paint.

AVAILABLE FROM: Instructional Materials Laboratory  
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