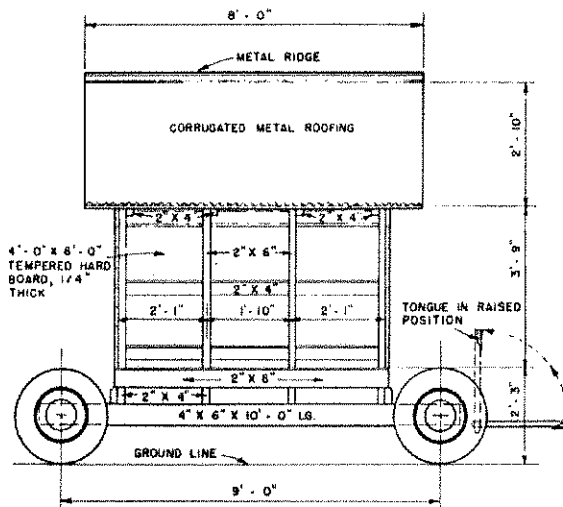
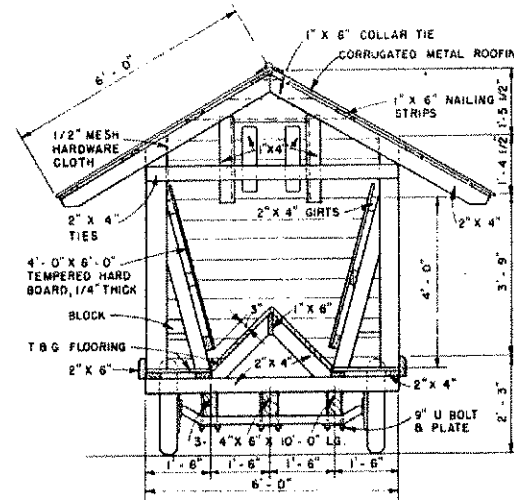


BILL OF MATERIALS



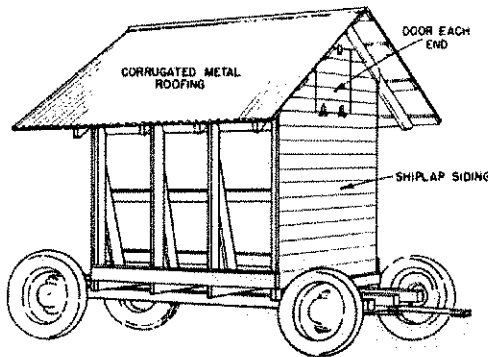
ELEVATION

SCALE: 0 1 2 3 FT.

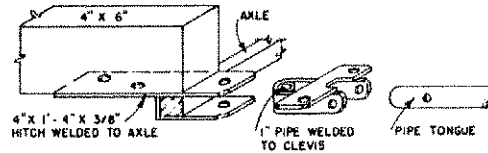


CROSS SECTION

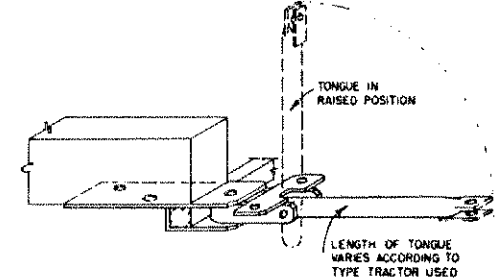
SCALE: 0 1 2 3 FT.



PERSPECTIVE



ISOMETRIC VIEW SHOWING PARTS FOR HITCH  
(SIZES VARY ACCORDING TO TYPE OF AXLE USED)



ASSEMBLED VIEW  
OF HITCH

HITCH DETAILS

SCALE: 0 1 FT.

NOTES

1. 600 X 16 WHEEL AND AXLE ASSEMBLY INDICATED. OTHER ASSEMBLIES MAY BE SUBSTITUTED WITH NECESSARY MODIFICATION PROVIDED FEED TROUGH HEIGHT AS SHOWN IS MAINTAINED.
2. CAPACITY: APPROXIMATELY 80 BU. GROUND FEED.

LUMBER

- |                      |                      |
|----------------------|----------------------|
| 3 - 4" x 6" x 10'-0" | SILLS                |
| 6 - 2" x 4" x 6'-0"  | JOISTS               |
| 4 - 2" x 4" x 6'-0"  | TROUGH JOISTS (FLAT) |
| 2 - 2" x 6" x 6'-2"  | TROUGH SIDES         |
| 8 - 2" x 4" x 2'-0"  | HOPPER FLOOR BRACES  |
| 1 - 1" x 6" x 6'-0"  | HOPPER RIDGE         |
| 17 - 1" x 6" x 6'-0" | T & G SHEATHING      |
| 8 - 2" x 6" x 6'-0"  | STUDS                |
| 4 - 2" x 4" x 6'-0"  | SLANTING BRACES      |
| 6 - 2" x 4" x 6'-0"  | BIN GIRTS            |
| 2 - 2" x 4" x 6'-0"  | CROSS TIES           |
| 8 - 2" x 4" x 6'-0"  | RAFTERS              |
| 8 - 1" x 6" x 6'-0"  | ROOF NAILING STRIPS  |
| 2 - 1" x 4" x 6'-0"  | VERGE BOARD          |
| 2 - 1" x 4" x 6'-0"  | DOOR FRAMING         |
| 2 - 1" x 6" x 2'-0"  | COLLAR TIES          |
| 30 FT. B.M. 1" x 6"  | SHIPLAP SIDING       |

MISCELLANEOUS

- |           |   |
|-----------|---|
| 4 LBS 6d  | COMMON NAILS                                  |
| 3 LBS 10d | COMMON NAILS                                  |
| 1 LB      | 16d COMMON NAILS                              |
| 2 PAIR    | 6" TEE HINGES                                 |
| 2 SHEETS  | 4'-0" x 6'-0" TEMPERED HARD BOARD, 1/4" THICK |
| 6 SHEETS  | 26" WIDE x 6'-0" METAL ROOFING                |
| 1         | METAL RIDGE 8'-0" LONG                        |
| 7 L.F.    | 1/2" MESH HARDWARE CLOTH, 36" WIDE            |

COOPERATIVE EXTENSION WORK IN  
AGRICULTURE AND HOME ECONOMICS  
DEPARTMENT OF AGRICULTURAL ENGINEERING  
UNIVERSITY OF MARYLAND  
AND  
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

MOVABLE SELF FEEDER FOR CATTLE

USDA '33 EX. 5776 SHEET 1 OF 1