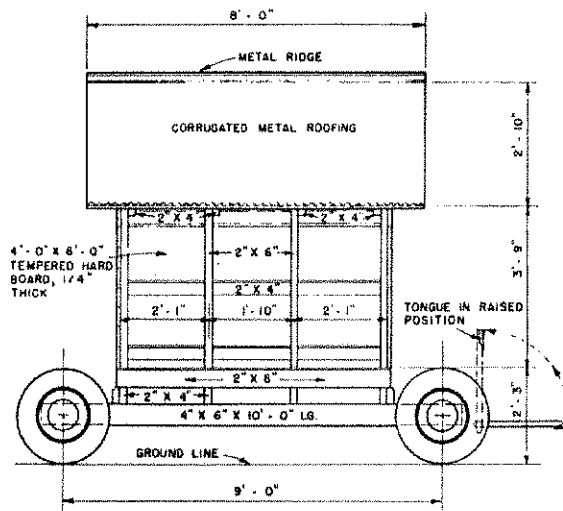
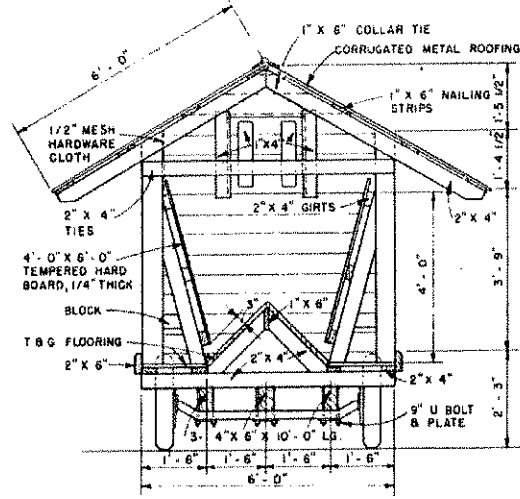


BILL OF MATERIALS



ELEVATION
SCALE: 0 1 2 3 FT.



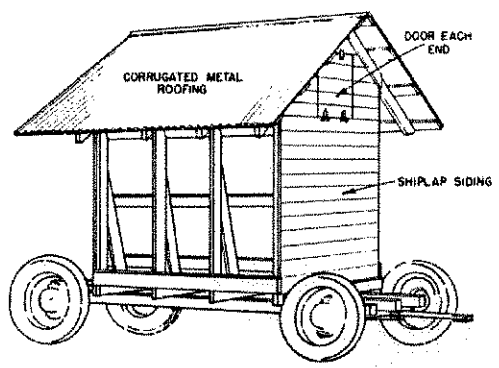
CROSS SECTION
SCALE: 0 1 2 3 FT.

LUMBER

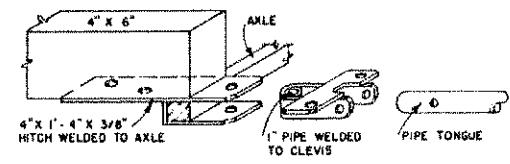
3 - 4" x 6" x 10'-0"	SILLS
6 - 2" x 4" x 6'-0"	JOISTS
4 - 2" x 4" x 6'-0"	TROUGH JOISTS (FLAT)
2 - 2" x 6" x 6'-2"	TROUGH SIDES
8 - 2" x 4" x 2'-0"	HOPPER FLOOR BRACES
1 - 1" x 6" x 6'-0"	HOPPER RIDGE
17 - 1" x 6" x 6'-0"	T & G SHEATHING
8 - 2" x 6" x 6'-0"	STUDS
4 - 2" x 4" x 8'-0"	SLANTING BRACES
6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

MISCELLANEOUS

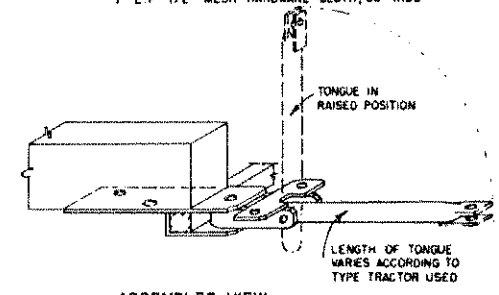
4 LBS 6d	COMMON NAILS
3 LBS 10d	COMMON NAILS
1 LB 16d	COMMON NAILS
2 PAIR 6"	TEE HINGES
2 SHEETS 4'-0" x 6'-0"	TEMPERED HARD BOARD, 1/4" THICK
6 SHEETS 26" WIDE x 6'-0"	METAL ROOFING
1 METAL RIDGE 8'-0"	LONG
7 L.F. 1/2"	MESH HARDWARE CLOTH, 36" WIDE



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.

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