

MASSABESIC DISTRICT  
CHUCKWAGON CONSTRUCTION RULES

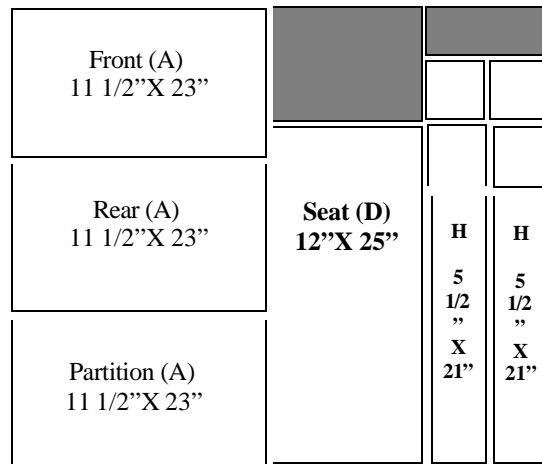
1. CONSTRUCTION: All wagons must be made of wood and built according to the stated dimensions. (See measured drawing & construction plans)
2. Axle shafts: Axle Shafts must be made of wood. The axles may be greased, but ball bearings of any kind may not be used. A metal sleeve may be slid over the wooden axle shaft to protect it from wear. However, the actual shaft must be made of wooden dowel. A turntable, such as one found on a swivel chair, may be used on the front steering axle.
3. WHEELS: Wheels must be made of wood. Manufactured wheels, balloon tires or spoked metal wheels of any kind are not allowed. Aluminum, steel bands or cut rubber bicycle tires may be used on the circumference of the wheels for protection from wear.
4. TILLER BAR: The wagon's tiller bar will be hinged and built up to a point above the bottom of the wagon to facilitate the maneuvering of the wagon and be at a comfortable height for the scouts. (See measured drawing & construction plans)
5. COVER: The ribs to supporting the wagon cover may be made of metal pipe, wood, or plastic tubing. Because of its light weight, 1/2" PVC tubing or its equivalent is recommended.
6. PUSH BAR: A push bar will be added to the rear of the wagon to facilitate in pushing the wagon up hills or on rough terrain, or for braking. {MANDATORY SAFETY REQUIREMENT SINCE 1997 CHUCKWAGON}
7. SAFETY: Dowels being used for axle shafts and for pull bars on the tiller will be covered with rubber caps to help protect the scouts from being scraped, receiving splinters or gouged.
- 8.INSPECTION: These guidelines have been set up for your benefit in assembling the wagon. You are asked to follow these guidelines as closely as possible. Remember, these wagons will be inspected and points awarded for following these rules. Moderate deviations will be allowed, but keep in mind that these wagons have worked exceptionally well in the past and any major changes could result in loss of points at the inspection by the commissioners or risk the safety of our Scouts.
9. BEFORE STARTING CONSTRUCTION, RECRUIT OTHER LEADERS, (parents, friends, plumbers, electricians, handymen ) who might possess the knowledge and the tools to help you.

GOOD LUCK!!!

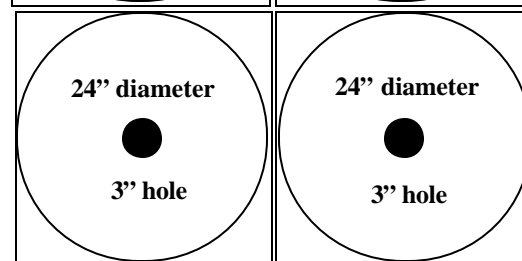
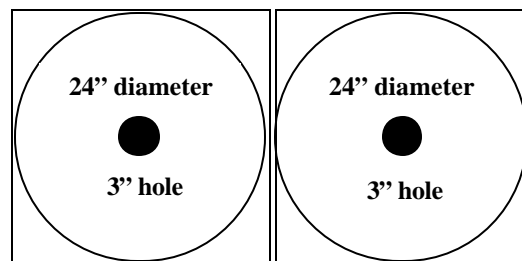
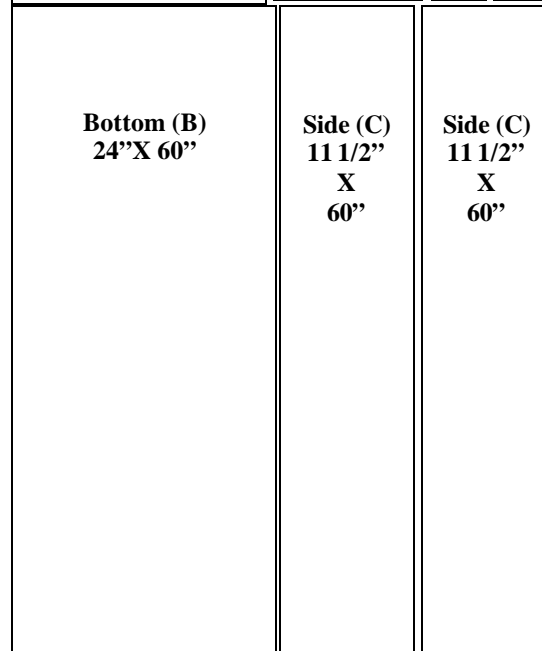
Rev:10/98,GH

# MASSABESIC DISTRICT CHUCKWAGON CONSTRUCTION PLANS

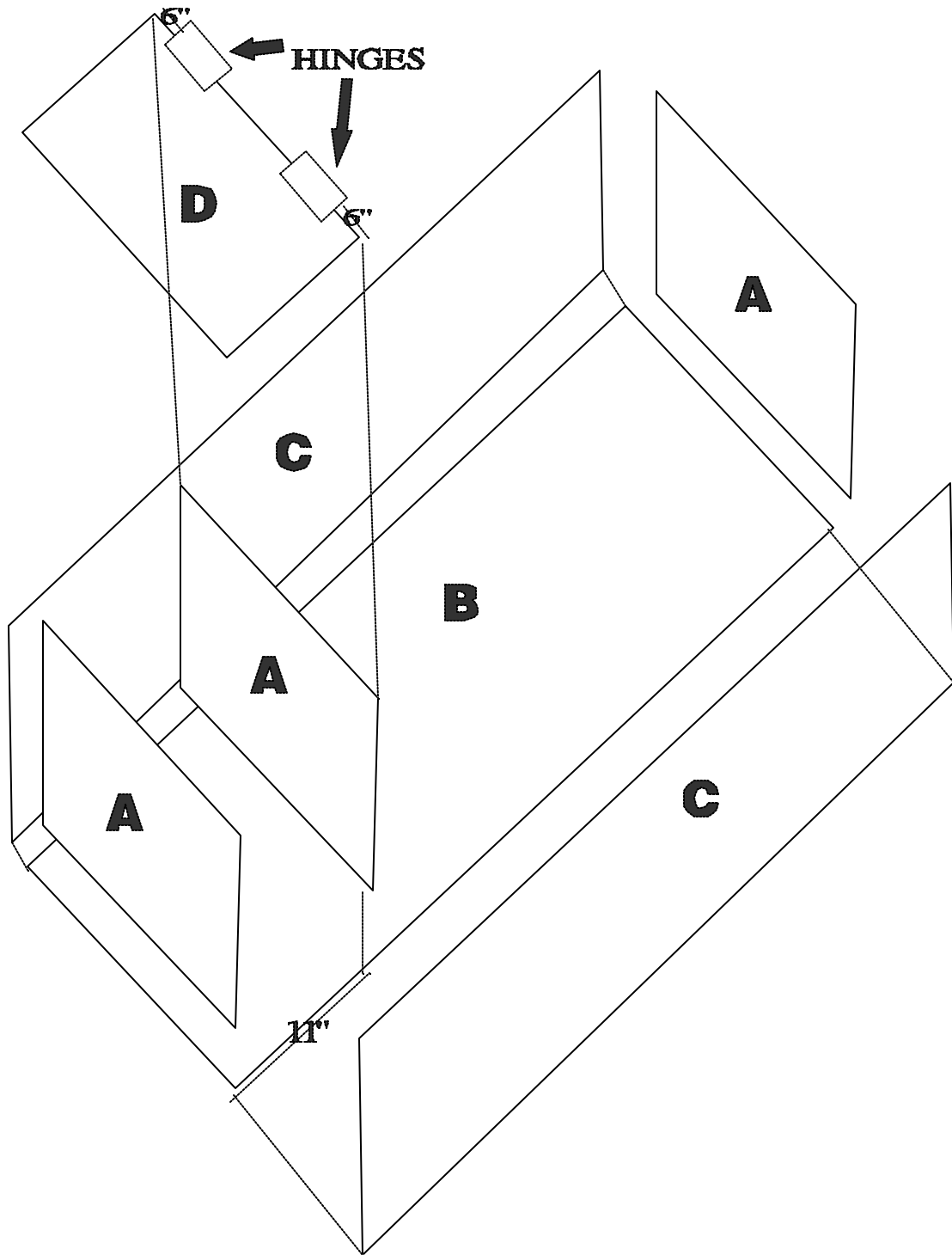
QUANTITY	MATERIALS
1	1/2"X 4'X 8' plywood sheet
1	4"X 4"X 8' pine timber
1	2"X 4"X 8' pine stud
1	2"X 4"X 12' pine stud
4	18" to 24" wooden wheels cut from a 7/8"X 4'X 4' plywood sheet or wooden cable spool facing. (no metal or spoked wheels)
3	1 1/4"X 36" dowels (closet rod)
6	1 1/4" rubber furniture caps
4	3/8"X 5" bolts & nuts
1	3/8"X 3" bolts & nuts
4	3/8"X 3" lag bolts
14	3/8" metal washers
12	1/4"X 1 1/2" lag bolts
2	1/4"X 2"X 2"X 7" peices of angle iron
2	3" box or door hinges with 3/8" screws
1	box 1 1/4" sheetrock screws
1	bottle of carpenters glue
3	1/2"X 9' peices of metal conduit or 1/2" gray pvc pipe
1	4'X 7'bed sheet or clo th material
4	large plastic soda bottles



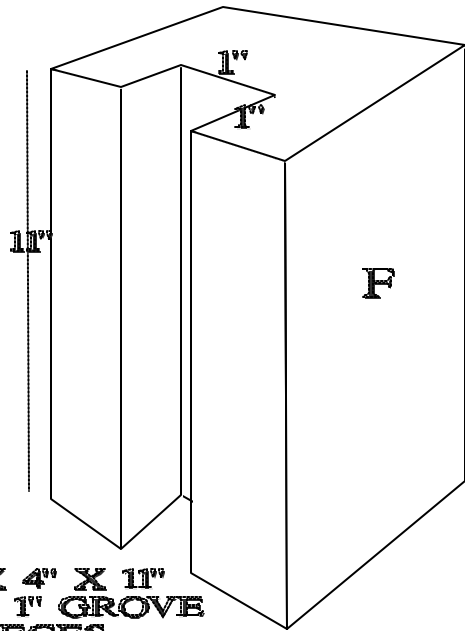
4  
5 1/2"  
X  
5 1/2"



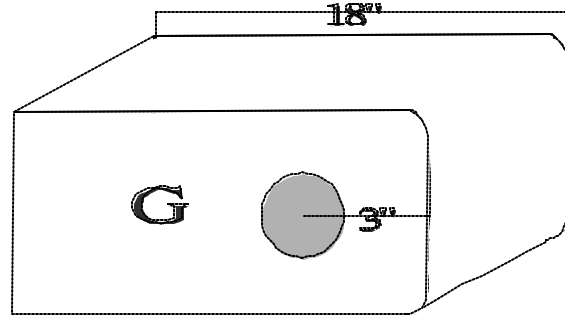
# EXPLODED VIEW CHUCKWAGON BODY



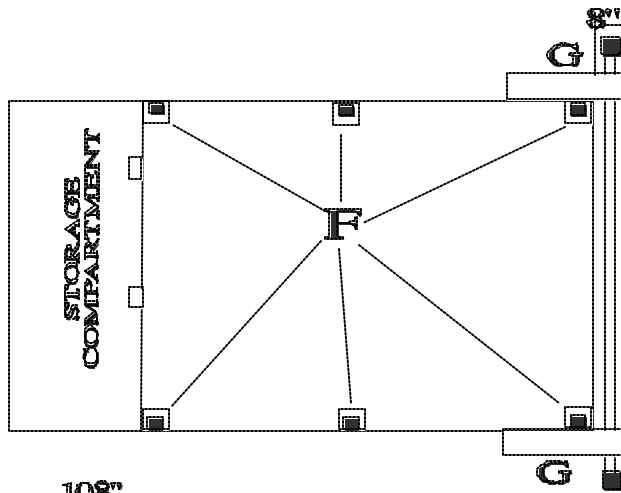
# CHUCKWAGON ASSEMBLY GUIDE



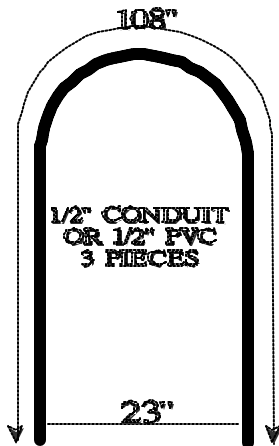
2" X 4" X 11"  
1" X 1" GROOVE  
6 PIECES



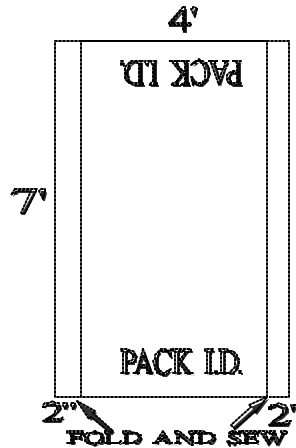
2" X 4" X 18"  
1 1/4" HOLE  
2 PIECES



1 1/4" X 36"  
DOWEL WITH  
RUBBER ENDS

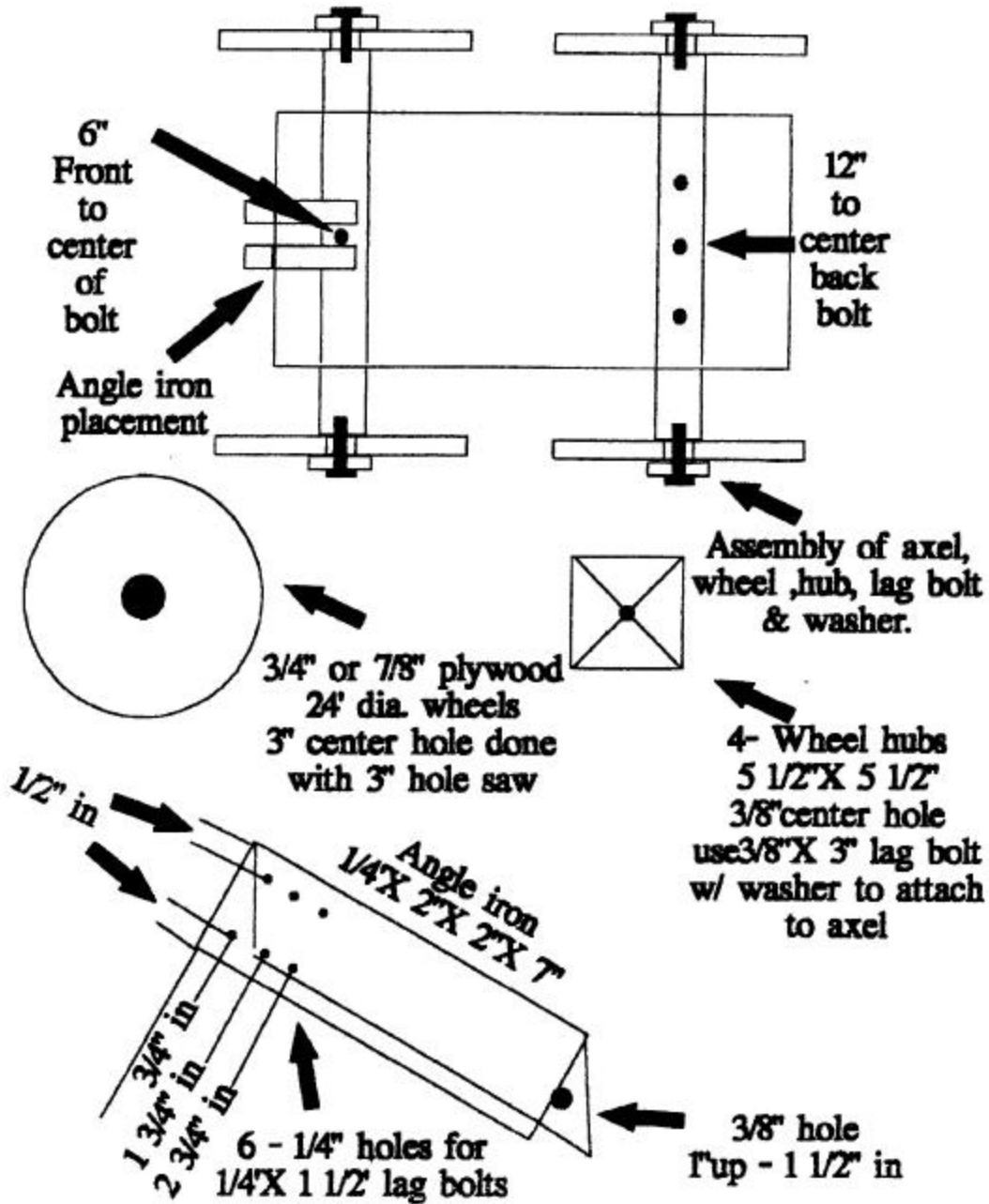


1/2" CONDUIT  
OR 1/2" PVC  
3 PIECES



4" X 7" SHEET,  
MATERIAL,  
OR TARP

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