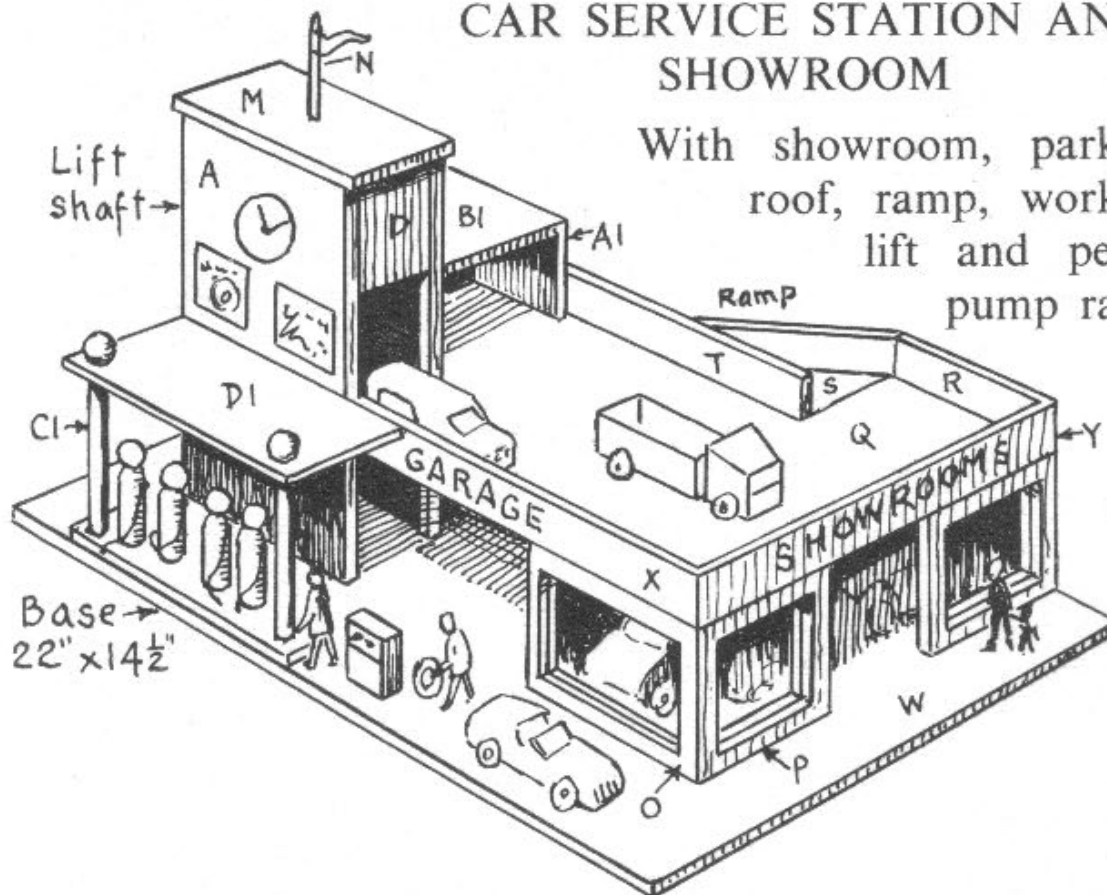


## CAR SERVICE STATION AND SHOWROOM

With showroom, parking roof, ramp, working lift and petrol pump rank.

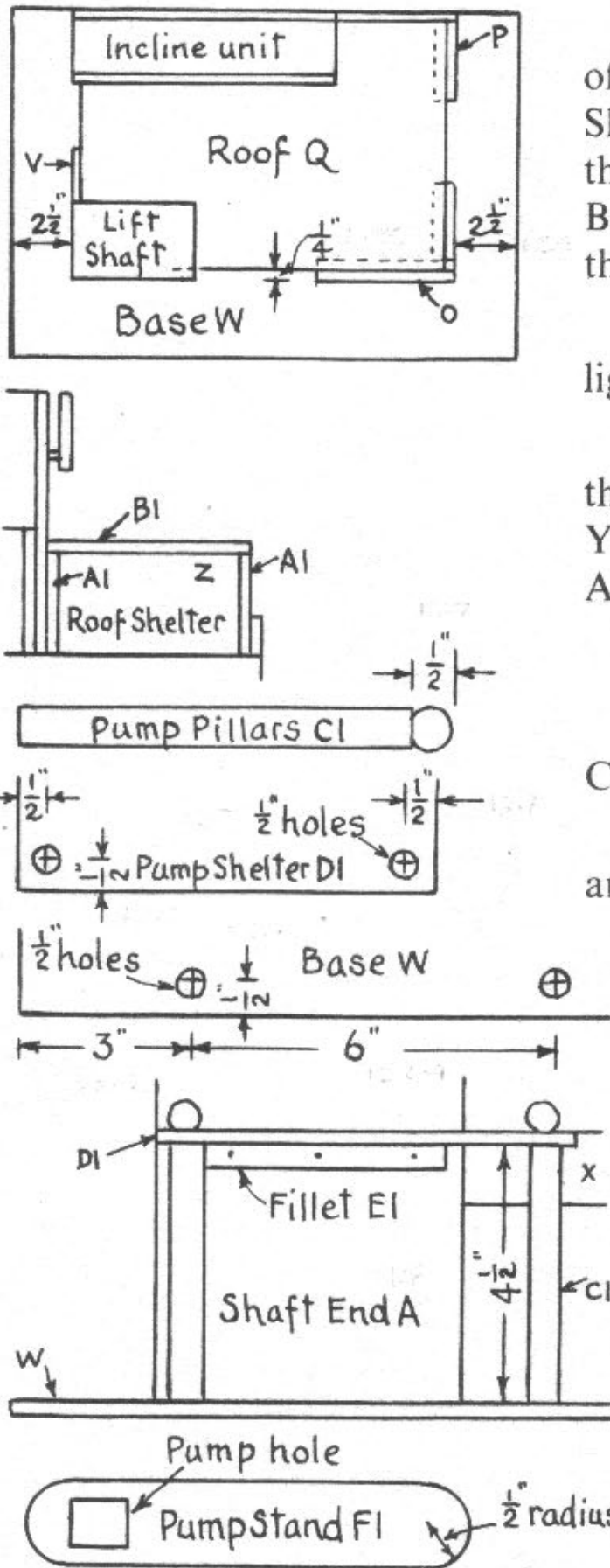


Finished Sizes (All  $\frac{1}{4}$ " Plywood except dowel items, F, G, N and C1)

A	2 Lift Shaft Ends	10" x 5"	S	1 Incline	11 $\frac{5}{8}$ " x 2 $\frac{1}{2}$ "
B	2 Lift Stops	4" x $\frac{1}{2}$ "	T	1 Incline Wall	11" x 4 $\frac{3}{4}$ "
C	1 Lift Back	10" x 2 $\frac{1}{2}$ "	U	1 Inner Wall	7 $\frac{1}{4}$ " x 3 $\frac{1}{2}$ "
D	1 Shaft Front	3 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	V	1 Left Wall	3 $\frac{1}{2}$ " x 2"
E	2 Lift Guides	6 $\frac{1}{2}$ " x $\frac{1}{4}$ "	W	1 Base	21" x 14 $\frac{1}{2}$ "
F	1 Roller	2 $\frac{1}{2}$ " x 1" dia.	X	1 Front Parapet	11" x 1 $\frac{1}{4}$ "
G	2 Roller Axles	1 $\frac{1}{4}$ " x $\frac{3}{8}$ " dia.	Y	1 Side Parapet	10 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ "
H	1 Roller Handle	2" x $\frac{5}{8}$ "	Z	1 Roof Shelter	
J	2 Lift Sides	4 $\frac{1}{2}$ " x 2 $\frac{3}{4}$ "		Back	5" x 2 $\frac{3}{4}$ "
K	1 Lift Bottom	4 $\frac{3}{4}$ " x 2"	A1	2 Roof Shelter	
L	1 Inside Top	4 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "		Sides	4" x 2 $\frac{1}{2}$ "
M	1 Outside Top	5 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ "	B1	1 Roof Shelter	
N	1 Flagpole	3 $\frac{1}{2}$ " x $\frac{3}{16}$ " dia.		Top	5" x 4 $\frac{1}{2}$ "
O	2 Front Windows	5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ "	C1	2 Pump Pillers	5 $\frac{1}{2}$ " x $\frac{1}{2}$ " dia.
P	4 Side Windows	3 $\frac{5}{8}$ " x 3 $\frac{1}{2}$ "	D1	1 Pump Shelter	7" x 3 $\frac{1}{2}$ "
Q	1 Roof	15 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ "	E1	1 Shelter Fillet	4 $\frac{1}{2}$ " x $\frac{3}{8}$ "
R	1 Back Wall	16" x 4 $\frac{3}{4}$ "	F1	1 Pump Stand	5 $\frac{1}{2}$ " x 1"

See page 25 for equipment, posters and personnel.

(continued overleaf)



Mark out the positions of the Incline Unit, Lift Shaft, Windows O, P and the Left Wall V on the Base W. Glue and pin them to this.

Paint all inside parts a light colour.

Then glue and pin on the Roof, the Parapets X, Y and the Roof Shelter Z, A1 and B1.

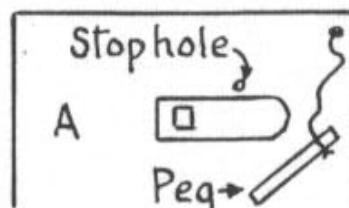
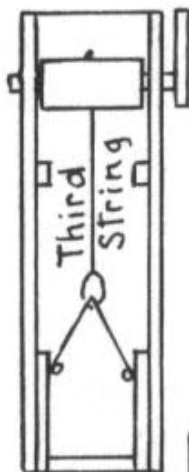
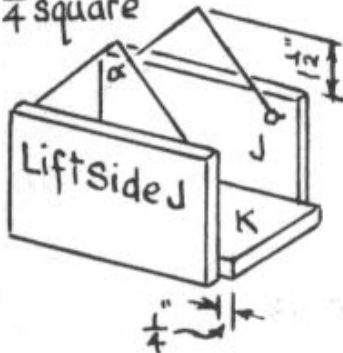
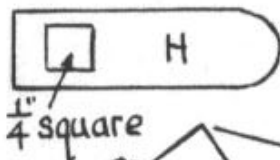
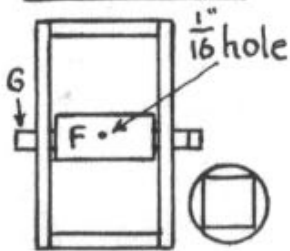
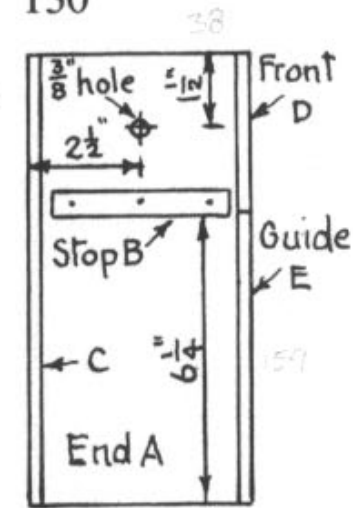
File the Pump Pillars C1 to represent lamps.

Bore 1/2" holes in the Base and the Pump Shelter D1.

Glue and pin the Fillet E1 on the Lift Shaft End A. Then glue and pin on the Pillars and the Pump Shelter.

Saw out the Pump Stand F1 for the Pumps required.

When painting, put a clock face on the Shaft end, as in the sketch (page 129).



Bore  $\frac{3}{8}$ " Axle holes in the Lift Shaft Ends A. Glue and pin on the Lift Stops B.

Glue and pin the Back C, the Front D and the Guides E inside the Ends.

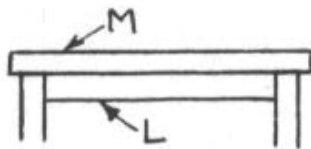
Make the Roller F a loose fit between the Ends. Bore a  $\frac{1}{16}$ " hole across the diameter, and a  $\frac{3}{8}$ " hole  $\frac{1}{2}$ " deep in the Roller ends. Drop a little glue into the  $\frac{3}{8}$ " holes. Place the Roller between the Ends and knock in the Axles G. Cut a  $\frac{1}{4}$ " square shoulder on the rear Axle. Cut a  $\frac{1}{4}$ " hole in the Handle H. Glue it on the square Axle.

Try the Lift Sides J and the Bottom K inside the Lift Shaft for a slide fit. Glue and pin them together. Fix small screw eyes inside the top corners.

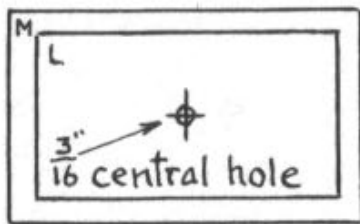
Tie two thin side strings to the screw eyes, as the sketch. Then tie a loose string loop around the side strings with a third string. Thread the loose end of this string through the Roller hole and knot it against the Roller when the Lift is at the bottom of the Shaft. Put a spot of glue on each knot.

Wind the Handle to bring the Lift up against the Stops B. Bore a  $\frac{3}{16}$ " stop hole through the End A against the Handle.

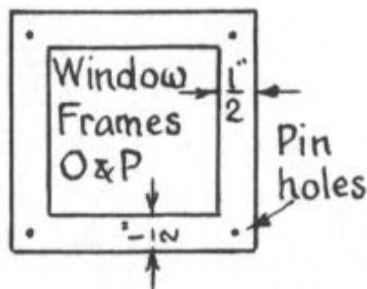
Fix a pin, string and  $\frac{3}{16}$ " peg to secure the Handle when the Lift is up.



Fit the Inside Top L inside the Shaft top. Pin the two Tops L and M together.

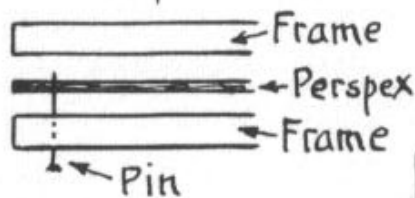


Bore a  $\frac{1}{16}$ " central hole through the Tops and glue in the Flagpole N.

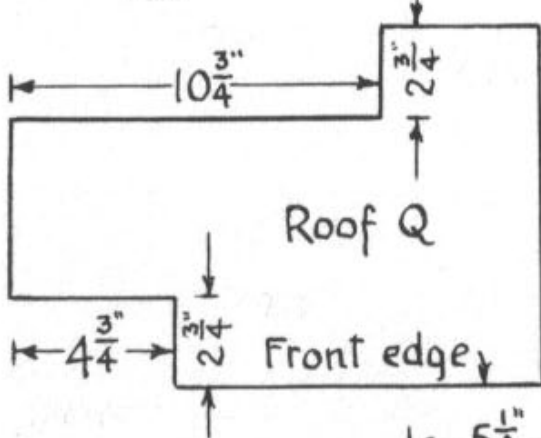


Fret-saw out the Window Frames O and P.

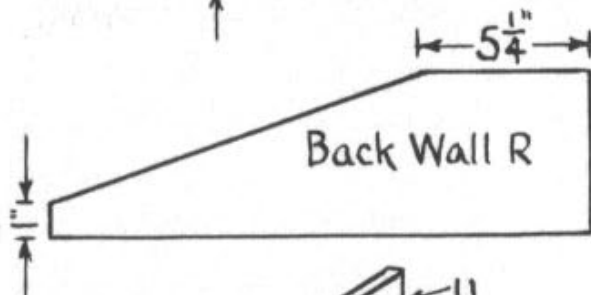
Cut two windows  $3\frac{5}{8}$ "  $\times$   $3\frac{1}{2}$ " and one window  $5\frac{1}{2}$ "  $\times$   $3\frac{1}{2}$ " out of  $\frac{1}{16}$ " Perspex sheet (see page 25).



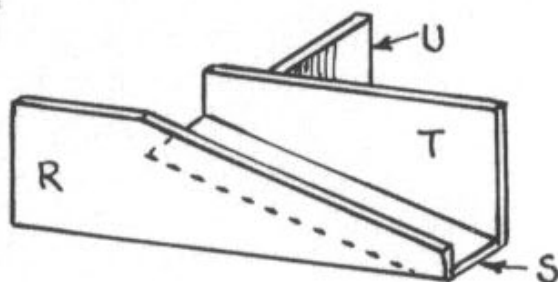
Each window consists of two frames and one piece of Perspex. For each complete window drill pin holes through one frame and the Perspex together. Insert the pins and drive them down to fix the second frame.



Saw out the Roof Q and the Back Wall R.



Glue and pin the Back Wall, the Incline S, the Incline Wall T and the Division U together.



(continued overleaf)