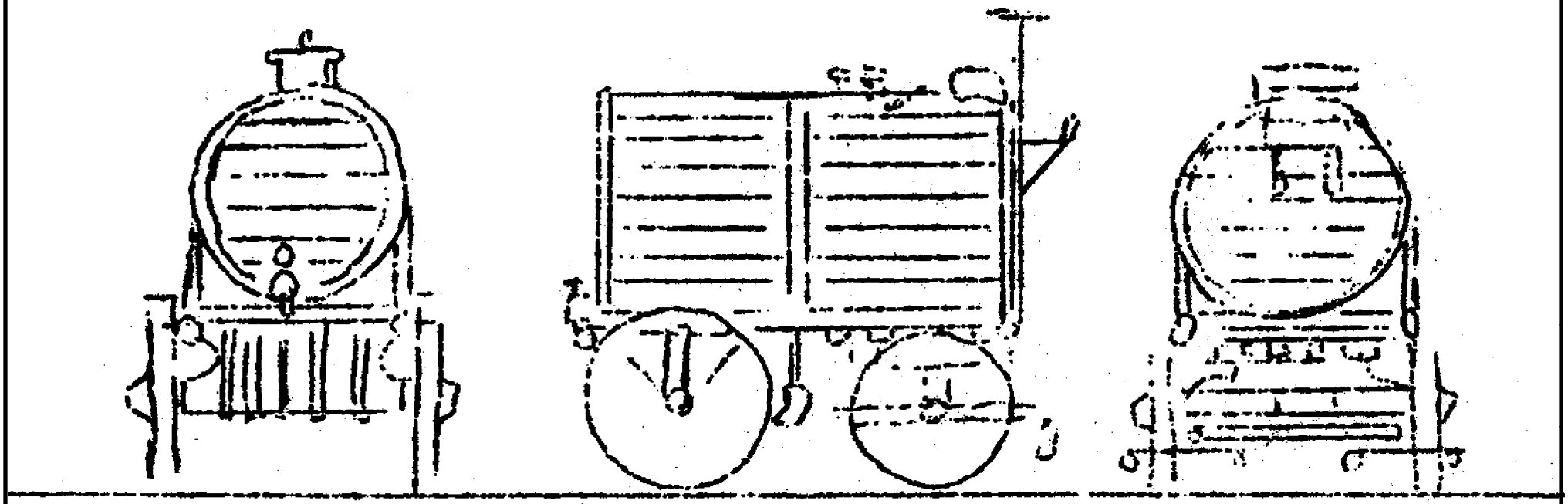

Construction of this water wagon is the same as used in the other two wagons previously built, Make the basic frame from thin wood, 5 1/2 ft. by 10 ft. Make three circles from cardboard, each five ft. in diameter. Two of these will be the front and rear of your tank, scribe one side of these two to represent planking. Glue the circles the proper space apart using spacing blocks, making sure the scribed ones are on the ends, with the scribing on the outside. Make the wrapper for tank from thin cardboard that will bend easily. Scribe the planking on before gluing onto circles. Glue this wrapper on the circles, where the ends most will be the bottom of tank. Next make and glue the cradles onto the base, first making sure that they fit the tank. There is one of these cradles at each end and one in the middle. Glue the tank onto the cradles, with the place where wrapper comes together on the bottom. Cut straps from paper and glue from base of each cradle up over tank and down to cradle on other side. Glue a thin strip of cardboard clear around the edge of the base to give it a finished look. Make seat from cardboard and glue in. place. Make foot board from cardboard, and footboard braces from thin wire and glue in place. Make brake wheel from dress snap and a pin. Make the opening on top, where the water is poured into the tank, from a piece of dowel, shaping the bottom so it will fit the curve of the tank, and cement in place. Glue a disc of cardboard on top of this dowel to represent the cap, and fasten a length of chain to top of this cap and fasten the other end of chain to the wagon. On real wagons this chain prevents the cap from getting lost. Make the spigot at rear from length of round toothpick. Make and cement the four loading rings in place, one on each corner of the wagon.

The rear axil is made from wood, take dimensions from scale drawing. Paper strips represent the iron straps which hold the axil in place. Construct the brake assembly by looking at exploded view and taking dimensions from scale drawing. Make the front wheel assembly the same way, using strip wood and cardboard. The tongue is made from strip wood, tapered slightly, and hooks and loops on end are made from thin wire. The double and single trees are made as previously described on the other two wagons. Mount the prepainted Selley wheels, and your wagon is complete except for painting, which can be your favorite colors.

Superintendent's Notes:
The methods described here are from the 1960's and do not reflect new materials available today. Also parts like "Selley" wheels are no longer available. This wagon could easily be constructed from styrene. Please note that the drawing is more of a sketch and that measuring off of the drawing may not reflect the demensions mentioned in the text.

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Water Wagon

DATE: 1930s	SCALE: 1/4" = 1'	SCANNED & REVISED: 09/28/2004	Pg 1 of 1

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Drawn By	DRAWING NUMBER
Paul West	#0142