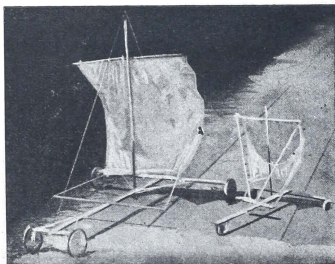


HOBBY PAGE

Conducted by gilmo baldovino

A Small Pavement Sail Boat



Have you ever made small paper sail boats that can sail on the land? I know how to make some boats which can run along the pavements almost as fast as the wind. They are so simple that even thin pieces of paper can be used for sails.

The framework consists of a front axle, reach, or beam running from the axle to the rear end. For a simpler frame, three wheels may be used. If you prefer to use four wheels, a short axle may be placed at the rear end of the reach. The plans on this page will show what I mean.

The axles can be made from a piece of light wood $3/8$ inch thick and with a width of 1 inch. If your model is 4 feet long, you must make the front wheels 2 feet and 6 inches far apart.

The tops from coffee or other tin cans can be made into excellent wheels. Before placing the wheels, nail a wheel block under each end of the axles as shown in the plans. But in case of a single rear wheel, extension strips are used, as also shown. In order that the wheels will not wobble, nail a small wood hub about 1 inch in diameter and $1/4$ inch thick to the inside of each tin wheel. Punch a hole through these wooden hubs. Then nail each of them to the wheel blocks. Use smaller nails than the hole of the wooden hubs so that the wheels will

run smoothly.

A good location for the mast is about one third the distance from the front to the rear of the reach. A piece of hard wood, $3/8$ inch in diameter and 3 feet high, can serve as the mast.

A square sail needs a yard arm near the top. The lower corners of the yardarm are held down by two pieces of cord tied to a crosspiece attached to the reach. This crosspiece is placed about one third the distance from the mast to the end of the reach. To hold the mast and yardarm in place, you must provide stays as shown in the plan.

When there is a strong wind, a small ballast or lead sinker may be necessary. This ballast is used to balance the toy against the strength of the wind.

The square sail may be of cheap thin cloth or paper. But I suggest cloth because even if the land sail boat overturns, the sail remains in condition.

If you cannot get enough pieces of wood to form a good framework for your land sail boat, pieces of bamboo are quite as good.

