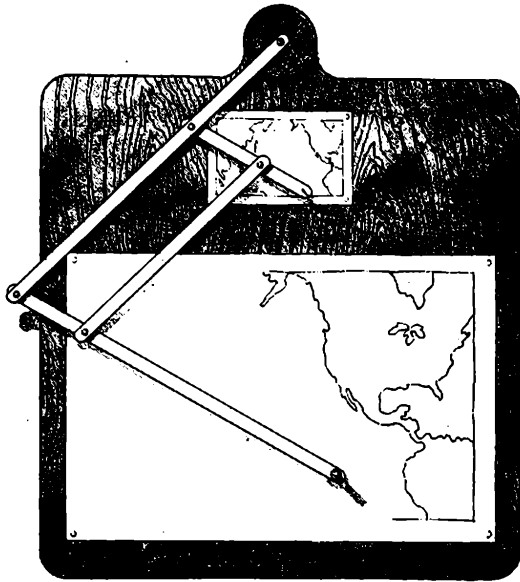


HOBBY PAGE

Conducted by  
GILMO BALDOVINO



The arms of the pantograph should be made of straight-grained hardwood such as narra or ipil. In making the arms, you must follow the sizes and distances of the rivets or screws as indicated so as to make the pantograph exact. The point A is made of a 1 inch brad or nail, rounded off so that it will not scratch the original drawing. The pencil holder is held by a metal eraser-tip. Its attachment is shown in the plan.

The operation of a pantograph is very simple. Guide point A over the lines of the original drawing and the pencil will mark out the enlarged picture by its own weight.

Children, you will find it a great fun to enlarge maps and comics with this device, especially when you color the enlarged copy afterwards.

Children's Pantograph

For Copying Maps and Comics

**C**HILDREN, have you ever seen a pantograph before? And do you know the use of it?

The picture above is an illustration of a simple pantograph. Its use is to enlarge maps and comic drawings. It can enlarge a 4 by 6 inches picture to 12 by 18 inches.

To construct this pantograph, the first thing to do is to cut the base (preferably of plywood or any soft wood as Red pine) to the size as indicated in the plan. Then smooth it with sandpaper. Make a hub of 3 inches in diameter by 3/4 inches thick and fasten it at the top of the base.

