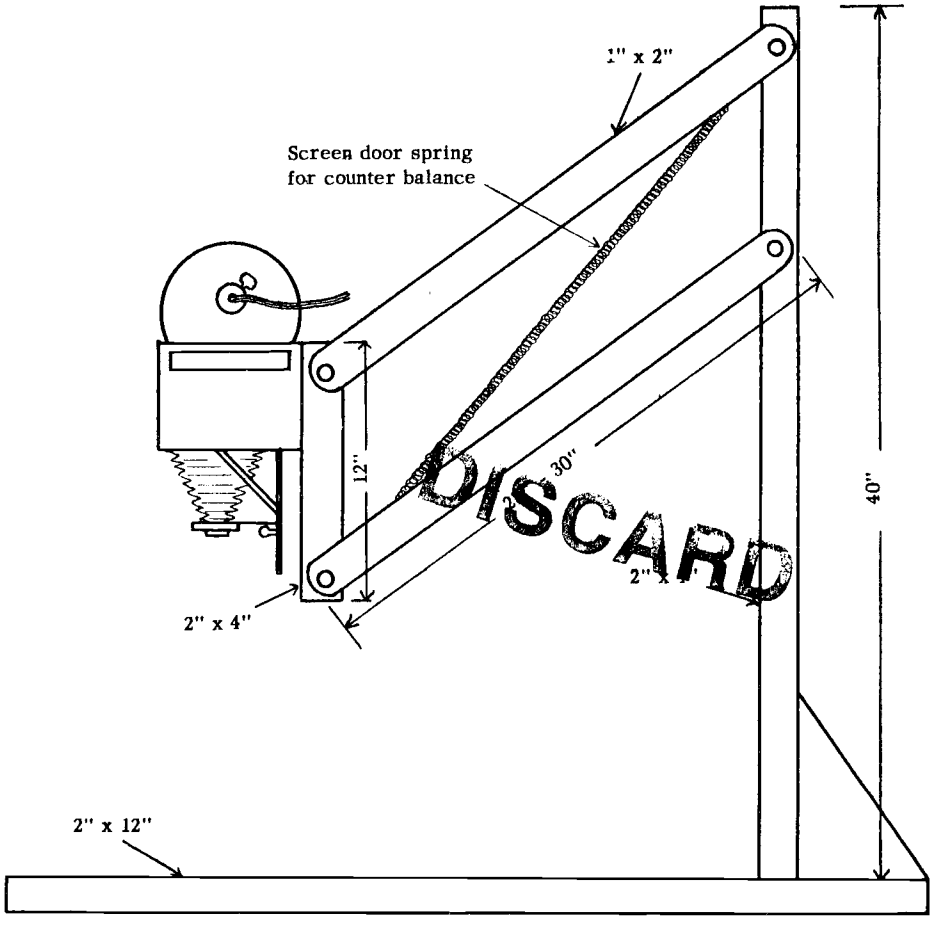
A Homemade Enlarger

These drawings suggest how you can make your own photo enlarger. They are not blueprints. You cannot make your enlarger exactly as drawn here. But you can use your ingenuity. You can use these drawings as a guide for building an enlarger with whatever camera and other materials you have available.

This homemade enlarger is little more than an old bellows-type camera with lens that moves back and forth on a track. The camera is attached to the bottom side of a plywood box. A No. 1 photoflood bulb in a can is fitted to the top side of the box.



The enlarger is mounted on a board. The entire assembly is supported by two arms which permit the enlarger to be raised and lowered.

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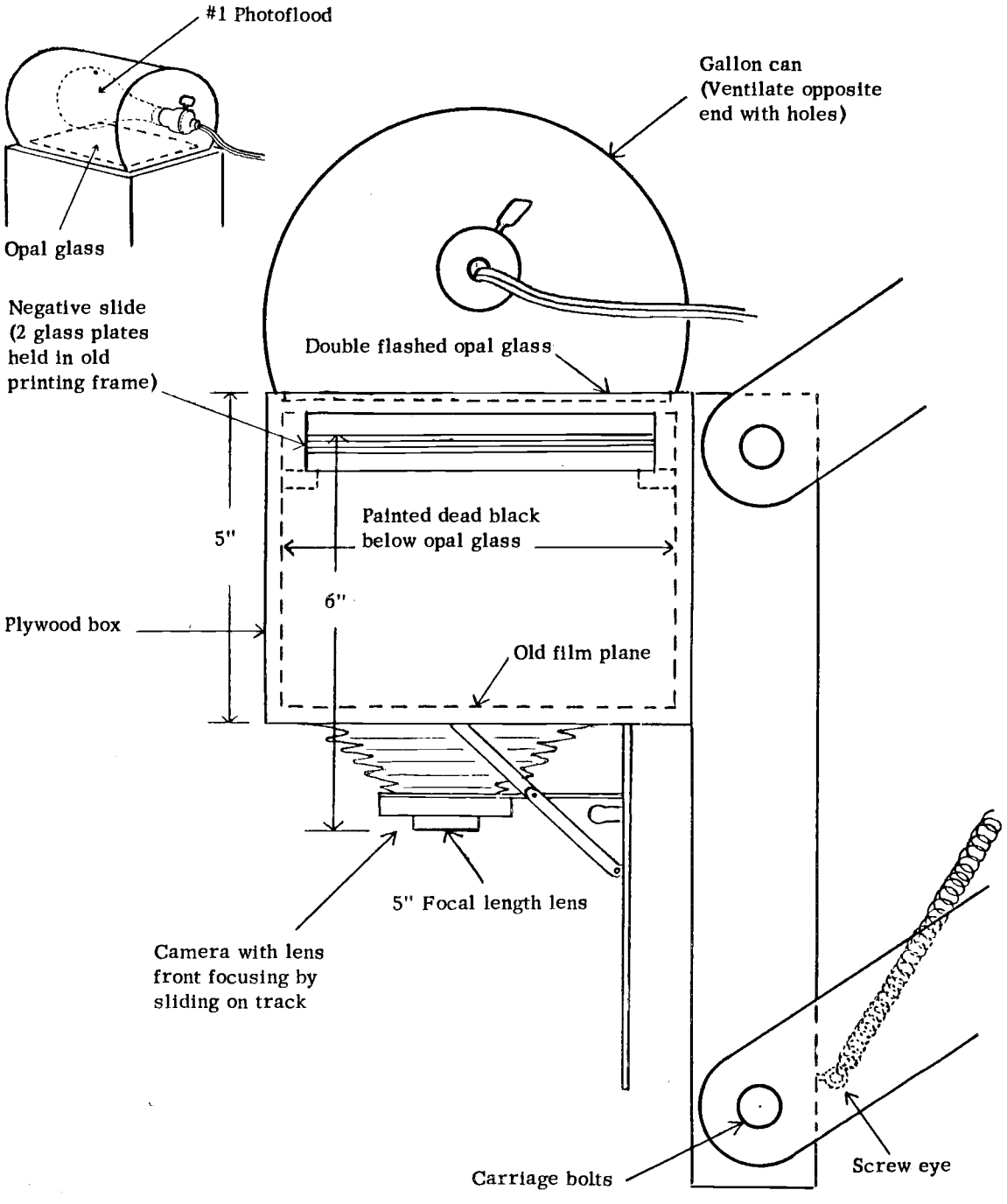

Caution: The bolts holding the two arms to the frame must be precisely the same distance apart as the bolts securing the arms to the enlarger so the enlarger can move up and down vertically.

Camera lens must be able to travel full length of the track so image can be focused on print paper when enlarger is raised or lowered.

Suggestion: If focal length of lens you use is not 5", other measurements in drawing must be adjusted accordingly. Example: 6" lens is 1/5 larger, so all dimensions must be 1/5 larger; 4" lens is 1/5 smaller, so other dimensions should be 1/5 smaller.

Double-flashed opal glass used to diffuse light through enlarger available from glass- or photo-supply houses.