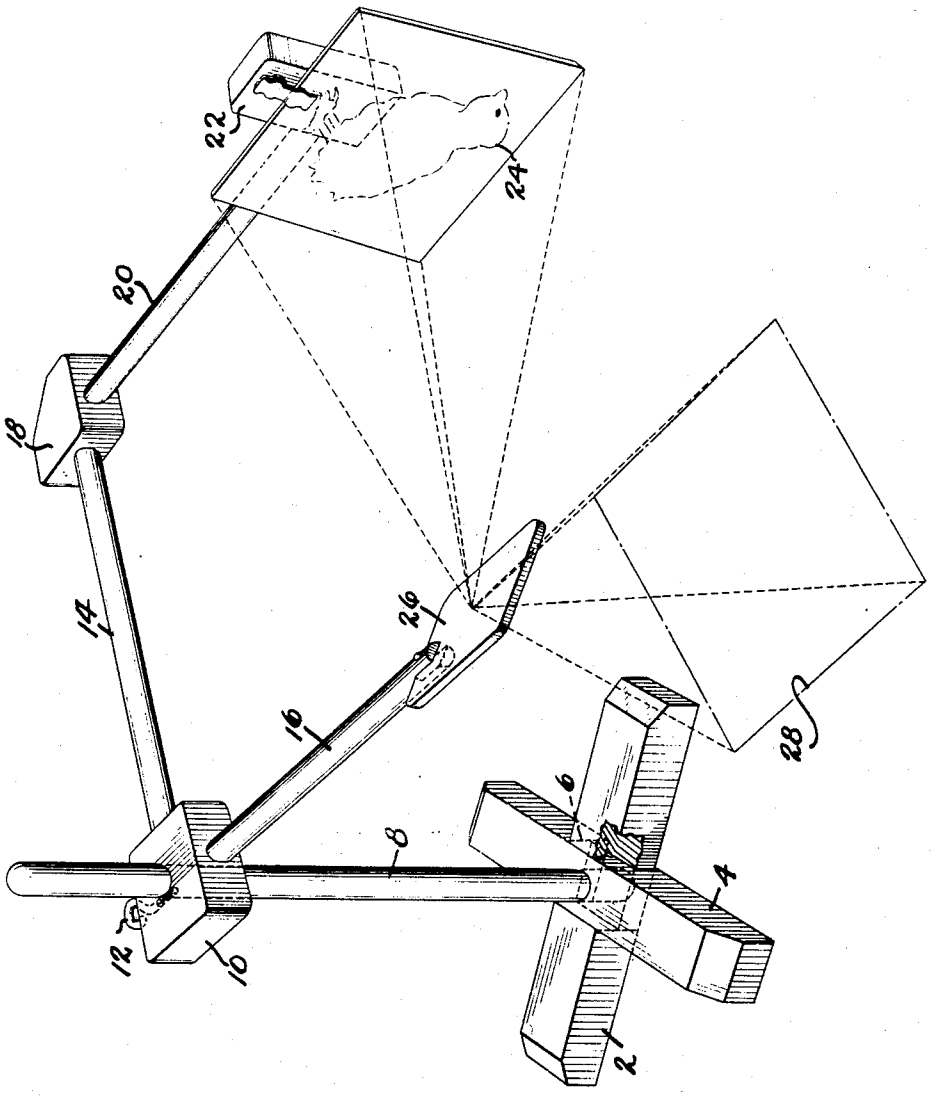
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Oct. 16, 1945. L. B. HENDERSHOT 2,387,021

REPRODUCING DEVICE

Filed Nov. 14, 1944



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REPRODUCING DEVICE

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2 Claims. (Cl. 88—75)

My invention relates to an improved reproducing device, namely, an instrument or device whereby an object such as a picture, for example, may be readily reproduced without regard to whether the user has any ability as an artist or not.

More specifically my invention has for one of its objects to provide a reproducing device of the type mentioned which is extremely inexpensive to manufacture and may be used with equal facility by child and adult.

Still more specifically my invention has for a further object to provide a reproducing device made up of the minimum of parts which are of inexpensive materials, the device being shipped and sold disassembled, but of such simple construction that it can be set up or assembled by anyone.

In the accompanying drawing I have shown an embodiment of my invention in elevation.

Referring to the drawing in detail: 2 and 4 designate two interlocking members constituting the base of my improved device. These two members are preferably of wood, and each is notched as shown at 6 to enable the two members to be interlocked with their faces flush with each other so as to provide a firm and steady base, which simply may be placed on a table desk or other object without danger of upsetting of the device.

8 designates a vertically extending post, which performs the double function of holding the base members 2 and 4 in interlocked position and of providing a support for the other members composing the device.

The post 8, it is to be understood, is merely held by friction in the base members 2 and 4 so as readily to be removed or placed in position.

Mounted on the post 8 is a block 10, preferably of wood. This block is bored through for the reception of the post 8 and is rotatable relatively to the post as well as being adjustable vertically of the post. To hold the block in adjusted position I provide a thumb screw 12 which is adapted to engage the post 8.

Removably mounted in the block 10 are two arms 14 and 16. These arms extend horizontally at an angle to each other, preferably at a right angle.

For purposes of clarity of description the arm 14 will be referred to as an image or object supporting arm, while the arm 16 will be referred to as a reflector carrying arm.

Both arms are preferably of wood and are simply a snug fit in holes provided for the purpose in the block 10. As a consequence they may be rotated in the block for adjustment purposes and readily removed entirely when the device is to be disassembled.

The free end of the image or object supporting arm 14 is provided with a block 18 bored to receive it with a snug fit, image or object-carrying arm 20 being inserted with a snug fit into this same block at an angle thereto so that arms 16 and 20 extend horizontally and are parallel to each other. The arm 20 is readily removable from the block 18 when the device is being disassembled. This arm also is rotatable in the block 18.

The free end of the arm 20 is provided with a block and clip 22 by which an image 24 or other object to be reproduced, such as the picture 24, may be removably attached to the arm.

The free end of the reflector-carrying arm 16 carries a reflector 26. This reflector 26 is preferably made of a colored semi-transparent plastic material, although glass may be employed if desired. I prefer to fasten the reflector rigidly to the arm 16, and in setting up the device to rotate the arm in adjusting the angularity of the reflector.

Assuming that the picture 24 is to be reproduced upon the surface 28 which simply may be a sheet of plain paper.

The device is set up approximately as shown on the drawing with the paper 28 directly beneath the reflector 26.

The user of the device then looks through the reflector toward the surface 28, and adjusts the reflector by turning the arm 16 in the block 10 until the image 24 is reflected in the reflector and has the appearance of being superimposed upon the paper 28. The user, by reason of the fact that the reflector is semi-transparent, may then trace or draw the image upon the paper.

By loosening the thumb screw 12 the block 10 together with the reflector 26 and image 24 and their supporting and carrying members may be adjusted vertically of the post 8 to vary the size of the image apparently superimposed upon the drawing paper.

It will be seen from all of the foregoing that I have provided a very simple, inexpensive and efficient means for carrying out my invention.

It will be understood that changes may be made in the details of construction and arrangement of parts without departing from the spirit and scope of my invention.

What I claim is:

1. In an apparatus of the class described, the

combination of a base, a vertically extending post removably mounted therein, a block mounted upon said post and slidable vertically of the same, a reflector-carrying arm removably inserted into one side of said block and extending horizontally outwardly therefrom at right angles to said post, a semi-transparent reflector carried at the outer end of said arm, a second arm removably inserted into said block, and projecting horizontally therefrom at right angles to the reflector-carrying arm, a block carried at the outer end of said second arm, and an image-carrying arm removably inserted into the second mentioned block and projecting horizontally therefrom parallel to the said reflector-carrying arm and terminating abreast of the outer end of the same.

2. In an apparatus of the class described, the combination of a base, a vertically extending post mounted therein, a block mounted upon said post and slidable vertically of the same, a reflector-carrying arm removably and rotatably inserted into one side of said block and extending horizontally outwardly therefrom, a planar transparent reflector carried at the outer end of said reflector-carrying arm, a second arm removably and rotatably inserted into said block and projecting horizontally therefrom at right angles to the reflector-carrying arm, a block carried at the outer end of the said second arm and rotatable relatively thereto, and an image-carrying arm removably and rotatably inserted into the second mentioned block and projecting horizontally therefrom parallel to the said reflector-carrying arm and terminating abreast of the outer end of the same.

LEWIS B. HENDERSHOT.