

# THE GYRATING SHADOW LANTERN.

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This Lantern is one of the most perfect amusements for the entire family circle that has yet been devised. Its peculiar construction produces sharp and distinct **shadows**, which not only **chase each other around the screen in a droll and ludicrous manner**, but also have each a funny way of stretching themselves out.

Unlike Magic Lanterns, Diorama's, &c., the Shadow Lantern, when once mounted, **runs itself**, and it is infinitely more amusing and captivating, and far less troublesome than any of them.

The Shadow Lantern is furnished with a very full set of figures, but children will find great pleasure in designing new ones for it, and in this respect the Lantern will be found a valuable means of **keeping the young people at home**.

When properly set up it has the appearance of an open lantern covered with cloth. Inside, supported by a central stand, is a mechanism for producing motion. This consists of a small hollow at its centre. Inside this hollow there is a ring perforated with holes. The figures, inside of which are the candles, are placed on the **shadows**, and their heat gives the motion.

## DIRECTIONS FOR SETTING UP THE LANTERN.

First insert the piece of card-board into the slit in the large round stick. The card-board should be the widest at the base. Then press the stick firmly into the central hole in the board or stand, in such manner, that the card-board will fit in the groove on either side of the hole, and form a partial partition across the board. The point on the stick should be on top.

Put the two smaller sticks into the adjacent holes. Insert the candles in the wire holders, and slip the holders over the two sticks last named. When properly adjusted the candles should be opposite each other at right angles with the card-board partition, and separated by it. The candle holders are moveable, and at first should be dropped down as low as possible.

Now adjust the figures in the catches on the ring, which, if too tight, may be opened or bent out a little. Taking hold of the disk with both hands, raise it until the ring is above the central post, and then lower it until the point at the top of the post rests in the hollow at the centre of the disk.

Light the candles, and if the parts have been properly adjusted, the disk and its hangings will begin to rotate.

The Lantern will be completed by adjusting the frame, which on two sides should pass under the cleat running across the stand.

To adjust the screen, unfold and hold it so that its four sides will form a square, with the open side outward. Then place it outside of the four corners, observing that the open corner comes to the post marked with a red line.

Draw the screen together, and as you do so, take care that the frame passes under the cleat above-named. When in position fasten the hook on the frame.

The Lantern when properly mounted, will be firm and secure, and can be moved about without trouble.

In cutting out the figures herewith, be guided by those already cut out. Other openings can be made, such as holes for buttons, &c.

The candles should be raised as they burn down, so that they will not cast the shadows too high on the screen.

All other lights in the room should be put out.

Observe always that the parts are well balanced, and that the figures do not bend outward so as to touch the screen, or in any way interfere with the rotation of the disk.

Should the needle or point in the post become broken or blunted, it should be replaced by another, as the disk will only rotate on a sharp point.