



Toy Windmill Repair

How to repair a toy windmill using commodity parts available,

Written By: Karim Ladha



INTRODUCTION

To document and demonstrate the process of repairing the fans connected to the windmill using commodity parts and tools to ensure that the fix requires no special tools nor instruments.

It should be noted that the steps outlined in this section should also apply to other gadgets similar in construction; the use of the windmill is an example and an ideal template when restoring other similar gadgets.



TOOLS:

- [Sandpaper, 120 Grit](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Scotch tape](#) (1)
 - [Polyurethane Glue](#) (1)
-

Step 1 — Toy Windmill Repair



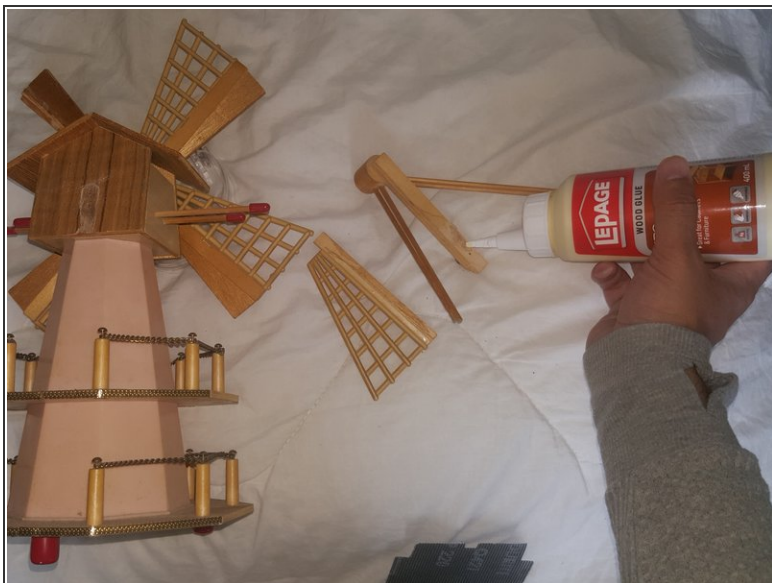
- Use the 120 grit sandpaper to remove any rough edges on both the base unit and any parts which need to be connected to it.

Step 2



- Use the rough sandpaper on parts that need to be connected to the primary unit as this will result in greater surface contact.

Step 3



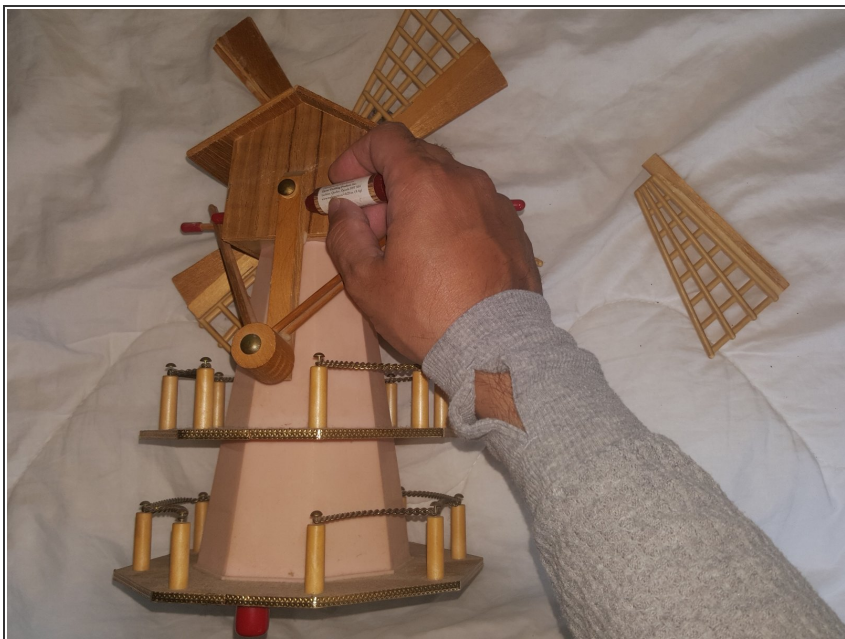
- Apply a small amount of wood glue to each end.
- Connect the two pieces and apply a small amount of masking tape to hold them in place.

Step 4



- Once all the pieces have been connected and the glue has cured, use the fine sandpaper to smooth out the connected pieces.

Step 5



- Using the fill stick crayon, blend in the connected pieces.
- ⓘ This will require the reader to be creative.

Step 6



- Apply a small amount of wood glue to each end of the windmill.
- Connect the two pieces and apply a small amount of masking tape to hold the two ends in place.

To reassemble your device, follow these instructions in order.