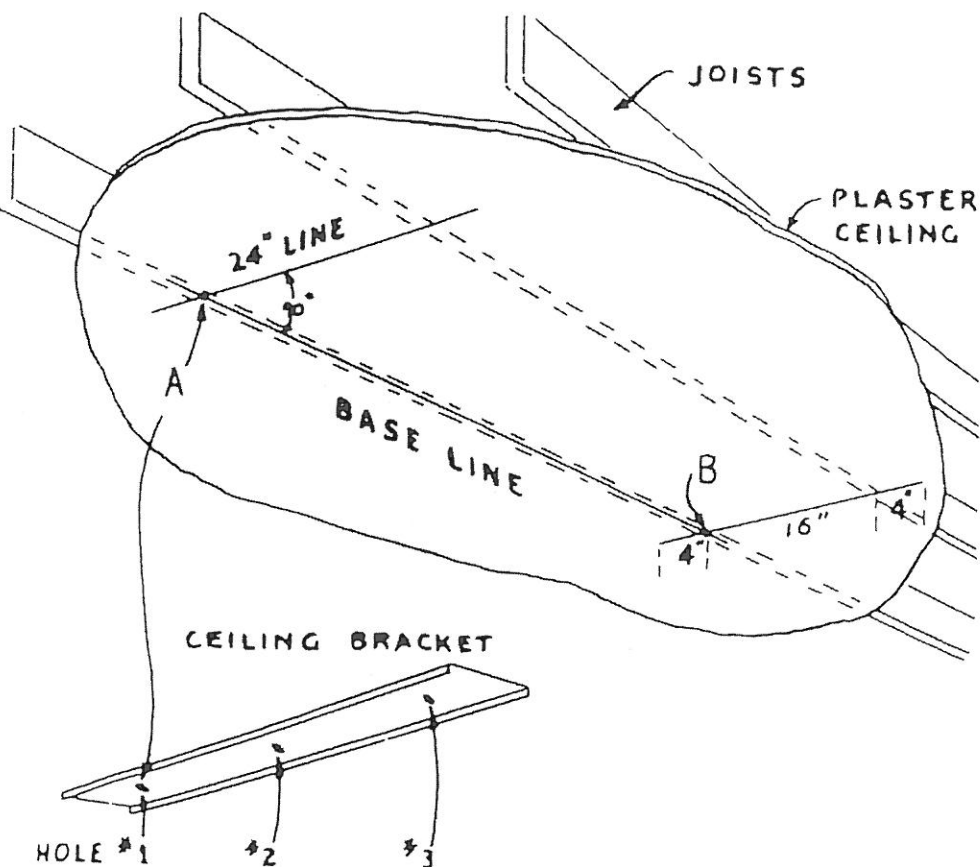


# ROLLEASY Installation Instructions

## INSTALLATION TYPE NO. 1

TO INSTALL ROLLEASY WITH CEILING BRACKETS TO PLASTER LATH CEILING WHERE: Ceiling joists run parallel to rollers.

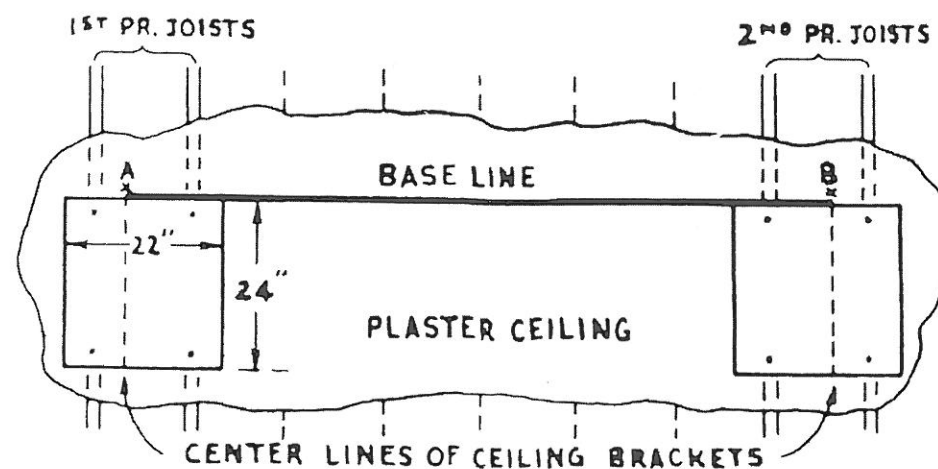
1. Establish straight line of basic length\* to coincide with center of joist nearest desired location. Use straight edge or chalk line. This then is your base line, AB.
2. At each end of this base line, project a perpendicular line at least 24 inches long using a common carpenter's square. This 24 inch line, therefore, should run between the 16 inch centers of the two joists selected for the bearing and 4 inches beyond each of the centers. See sketch. Brackets must be mounted no closer than 2 1/2" from back wall.
3. Cut two 3/4" plywood plates 24 x 22 inches.
4. Center plywood plates over perpendicular lines at A and B, and mount to ceiling joist using 2 1/2" lag screws.
5. Drill 3/16" hole at point A.
6. Place bracket so that slotted hole #1 and point A coincide. Fasten in place with packaged 1" lag screw.
7. Align bracket so that perpendicular line passes through center of slotted hole #3; drill and fasten. Repeat with second bracket on opposite perpendicular line. Holes 1 and 3 are spaced 16 inches on center to coincide with centers of ceiling joists.
8. Install 3 to 4 additional 1" lag screws along inboard edge of ceiling brackets.
9. To complete installation, see "FINAL INSTALLATION INSTRUCTIONS FOR CEILING UNITS."



## INSTALLATION TYPE NO. 2

TO INSTALL ROLLEASY WITH CEILING BRACKETS TO PLASTER LATH CEILING WHERE: Ceiling joists run perpendicular to rollers.

1. Cut two 3/4" plywood plates 24 x 22 inches.
2. Select two pairs of ceiling joists in the desired installation area so that the distance from the center pint of the first pair to center point of second pair most nearly coincides with the basic length\* of the model unit being installed.
3. Establish straight line of basic length\* centered between outer joists. Use straight edge or chalk line. This, then, is your base line, AB. Brackets must be no closer than 2 1/2" from back wall.
4. Fasten 1st plywood plate to both members of the first pair of joists, aligning 22" edge of plate flush against line AB and centering plate on joists, as shown. Use 4 packaged 2 1/2" lag screws to affix plate to two pints on each joist. For easier installation, pre-drill the four locations with 3/16" drill through plate, plaster and joist.
5. Repeat procedure with second plywood plate on second pair of joists, again making sure that the 22" edge is placed flush against line AB, and plate is centered on joists as shown.
6. Perpendiculars to line AB, from point A and point B, must be drawn to cut across the full 24" lengths of respective plates. These perpendiculars are the center lines of the brackets.
7. Fasten brackets to each plate so that the perpendicular line passes through the centers of each of the 3 slotted holes, and so that slotted hole #2 lies on midpoint of the perpendicular. Use 1" screws.
8. To complete installation, see "FINAL INSTALLATION INSTRUCTIONS FOR CEILING UNITS."

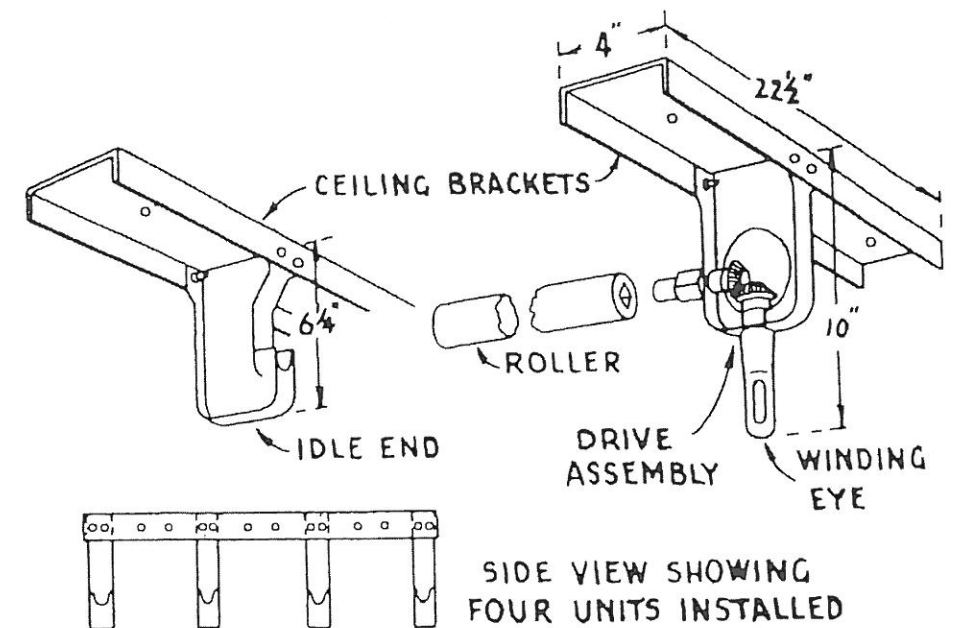


BASIC LENGTH (Center to center of brackets)

12 ft. unit	10 ft. unit	9 ft. unit
12' 5 1/8"	10' 8 1/8"	9' 9 1/8"

## FINAL INSTALLATION INSTRUCTIONS FOR CEILING UNITS

1. The ceiling brackets are designed to hold up to 4 full size backgrounds (these are backgrounds which measure greater than 3 1/2 inches in diameter when rolled onto roller) or 7 compact backgrounds (these are backgrounds which measure less than 3 1/2 inches in diameter when rolled onto roller). See illustration below. To install roller unit, remove all machine screws from top of drive assembly, slide drive assembly inside ceiling bracket, and position it so it is aligned with desired set of holes.
2. Place all machine screws through the bracket holes and into the drive assembly housing, tightening each only after all have been inserted.
3. Install idle end into the opposite bracket, and position it against the corresponding set of holes. Insert and tighten all machine screws.
4. Place drive end of roller onto squared shaft of drive assembly.
5. Place male roller end in receiving slot of idle end.
6. When roller is seated, final adjustment should be made by adjusting position of ceiling bracket by use of slotted holes so that roller has 1/8" lateral movement for correct operation. Install 3 or 4 additional screws along the inboard edge of each ceiling bracket where the majority of the weight is supported.
7. When installing multiple roller units, the additional roller assemblies are to be installed in the other open hole sets. (NOTE: For full size backgrounds and for all model MW units, the roller assemblies must be installed in every other hole set. For compact backgrounds, roller assemblies can be installed in consecutive hole sets.)
8. To assemble crank, simply affix crank handle to crank rod using screw provided.
9. In actual operation of Rolleasy, the roller will turn only when a slight downward pressure is applied on the crank, during cranking, disengaging the locking device of the drive assembly.



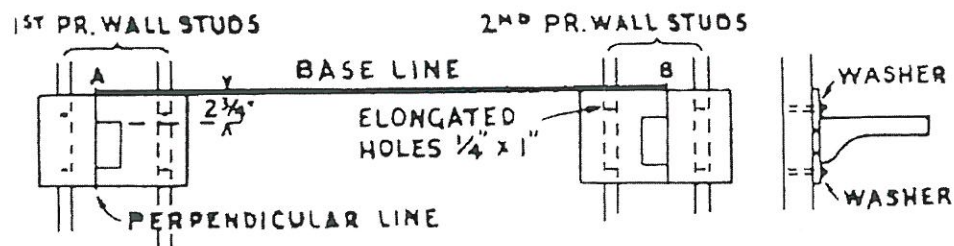
OVERALL DIMENSIONS OF UNITS AFTER INSTALLATION

12 ft. unit	10 ft. unit	9 ft. unit
12' 9 1/8"	11' 1/8"	10' 1 1/8"

## INSTALLATION TYPE NO. 3

### TO INSTALL ROLLEASY WITH WALL BRACKETS

1. Cut two  $\frac{3}{4}$ " plywood plates 12 x 20 inches.
2. Locate two pairs of wall studs in the desired installation area so that the distance from center point of first pair to center point of the second pair coincides with the basic length\* of the model unit being installed. Having determined stud locations, drill 4 elongated holes in each plate, size  $\frac{1}{4}$ " x 1", so that center of hole falls upon center of stud.
3. Draw a straight line of basic length\* centered between outer studs. Use straight edge level or chalk line. This, then, is your base line, AB.
4. Place each plate against its respective pair of studs, accurately aligning 20" edge to base line, and center each plate on its respective pair of studs. While held in this position, drop perpendicular line from points A and B to pass through entire 12" height of the plywood plates.
5. Remove plates and place brackets upon them so that top edge of bracket falls  $2\frac{3}{4}$ " from top edge of plate, and outer edge of brackets is aligned against perpendicular line.
6. Mark and drill  $\frac{1}{4}$ " holes through plates to coincide with pre-drilled holes in bracket. Insert bolt from plate side through plate and bracket and secure with nuts.
7. Replace plates with affixed brackets against studs in the exact position in which they were previously held.
8. Drill through center of elongated holes with  $\frac{3}{16}$ " drill to enter wall and center of studs. Fasten with packaged  $2\frac{1}{2}$ " roundhead screws and washers.
9. To complete installation, see "FINAL INSTALLATION INSTRUCTIONS FOR WALL BRACKETS."



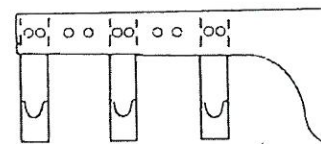
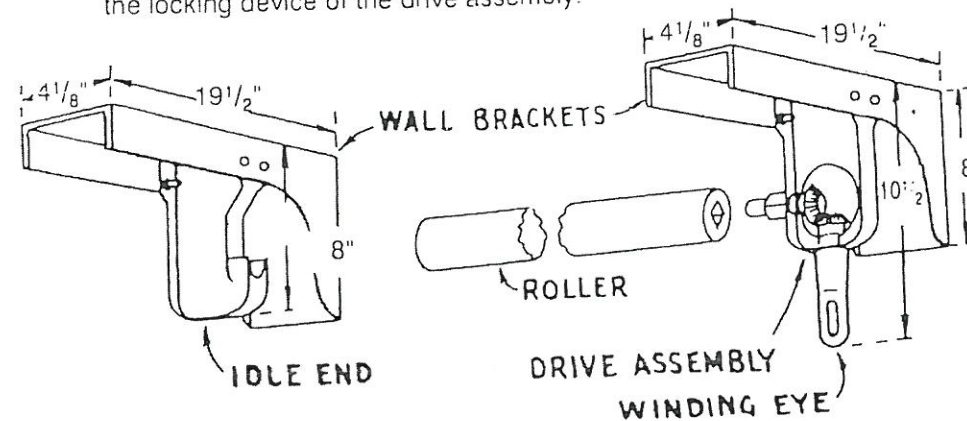
BASIC LENGTH (Outside edge to outside edge of wall brackets)

12 ft. unit	10 ft. unit	9 ft. unit
12' $9\frac{1}{8}$ "	11' $1\frac{1}{8}$ "	10' $1\frac{1}{8}$ "

### FINAL INSTALLATION INSTRUCTIONS FOR WALL BRACKETS

1. The wall brackets are designed to hold up to 3 full size backgrounds (these are backgrounds which measure greater than  $3\frac{1}{2}$  inches in diameter when rolled onto roller) or 5 compact backgrounds (these are backgrounds which measure less than  $3\frac{1}{2}$  inches in diameter when rolled onto roller). See illustration. To install roller unit, remove all machine screws from top of drive assembly, slide drive assembly inside wall bracket, and position it so it is aligned with desired set of holes.

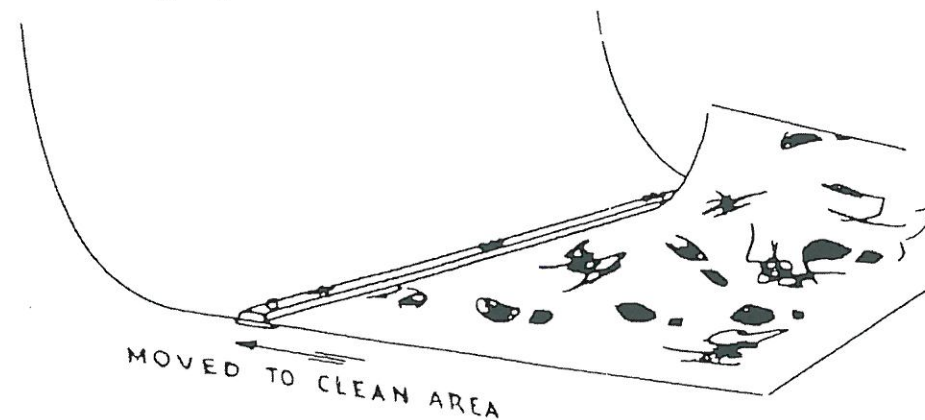
2. Place four machine screws through the bracket holes and into the drive assembly housing, tightening each only after all are in place.
3. Place idle end into the opposite bracket, and position it against the set of holes. Place and tighten all machine screws.
4. Place drive end of roller onto squared shaft of drive assembly.
5. Place male roller end in receiving slot of idle end.
6. When roller is seated, final adjustment should be made by adjusting position of plywood plates by use of slotted holes so that roller has  $\frac{1}{8}$ " lateral movement for correct operation.
7. When installing multiple roller units, the additional roller assemblies are to be installed in the other open hole sets. (NOTE: For full size backgrounds and for all model MW units, the roller assemblies must be installed in every other hole set. For compact backgrounds, roller assemblies can be installed in consecutive hole sets.)
8. To assemble crank, simply affix crank handle to crank rod using screw provided.
9. In actual operation of Rolleasy, the roller will turn only when downward pressure is applied on the crank. during cranking, disengaging the locking device of the drive assembly.



SIDE VIEW SHOWING THREE UNITS INSTALLED

### USE OF CUTTING EDGE

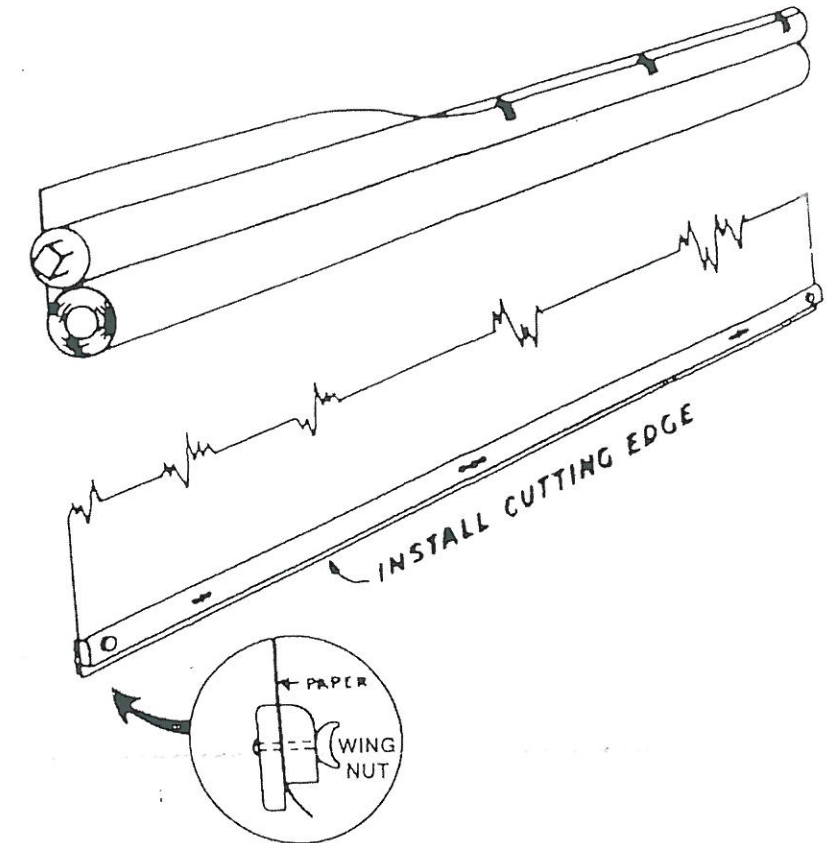
1. When paper becomes soiled, remove internal wing nuts and machine screws, loosen end nuts, DO NOT REMOVE END NUTS.
2. Advance Cutting Edge beyond soiled area, tighten end nuts and replace machine screws and wing nuts.
3. Cut with single edge razor blade along lower recessed edge of Cutting Edge and remove soiled portion.



## INSTALLING BACKGROUND PAPER TO ROLLER

Core wound paper ( $2\frac{1}{2}$ " core)

1. Insert roller in fiber core
2. Place clamp on exposed core end; fasten firmly in place
3. Install Cutting Edge



### APPLYING BACKGROUND TO ROLLER

Non-core wound background

1. Unwind background approximately 3 inches.
2. Place aluminum roller firmly alongside of remainder of roll.
3. Tape exposed end of roll to roller while continuing to hold roller firmly against roll.
4. After taping, transfer remainder of roll to aluminum roller.
5. While rolling, tape roller from one end or the other when necessary to prevent roll from telescoping.
6. Install Cutting Edge.



www.phototechinc.com