

SERVICE

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Weatherstripping windows

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Walker, Lloyd R./Weatherstripping window

Lloyd Walker^{1/}

no. 4.654

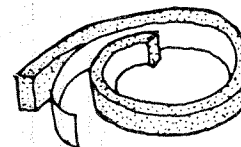


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Quick Facts





- Air leakage around loose-fitting windows can cause a significant amount of heat loss from a structure. Weatherstripping is a low-cost energy conservation measure that can quickly pay for itself in energy savings.
- Types of weatherstripping for windows include thin spring metal, rolled vinyl and foam rubber with adhesive backing.
- Metal or rolled vinyl is much more durable than foam rubber.
- Weatherstripping can be purchased either in kit form or by the running foot for each window.
- When planning the amount of weatherstripping to use, allowance should be measured carefully and an allowance made for waste.

• Foam rubber with adhesive backing— easy to install; breaks down and wears rather quickly; not as effective a sealer as metal strips or rolled vinyl; never should be used where friction occurs.



Weatherstripping is purchased either by the running foot or in kit form for each window. In either case, the homeowner should make a list of the windows, and measure them to find the total length of weatherstripping needed.


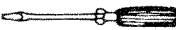


The total distance around the edges of the moving parts of each window type should be measured, and the list below completed:

Type	Size	Quantity X length req'd = Total
1. Double-hung 	1 () X () =	
	2 () X () =	
	3 () X () =	
2. Casement 	1 () X () =	
	2 () X () =	
	3 () X () =	
3. Tilting 	1 () X () =	
	2 () X () =	
	3 () X () =	
4. Sliding pane 	1 () X () =	
	2 () X () =	
	3 () X () =	

Total length of weatherstripping required _____

Air leakage around loose-fitting windows can cause a significant amount of heat loss from a structure. Weatherstripping can seal these air leaks. It requires a minimum of simple tools and no specialized skills. Weatherstripping is a low-cost energy conservation measure that can quickly pay for itself in energy savings.

Tools Needed

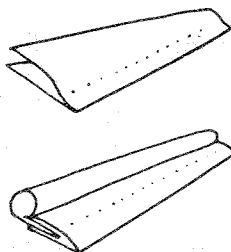
- Hammer and nails 
- Screwdriver 
- Tin snips 
- Tape measure 

Safety Precautions

Upper story windows may be a problem to weatherstrip. A person should be able to do all the work from the inside, but should avoid awkward leaning out of windows when tacking weatherstripping into place.

Materials Needed

- Thin spring metal— is installed in the channel of a window so it is virtually invisible; somewhat difficult to install; very durable.
- Rolled vinyl— available with or without metal backing; visible when installed; easy to install; durable.

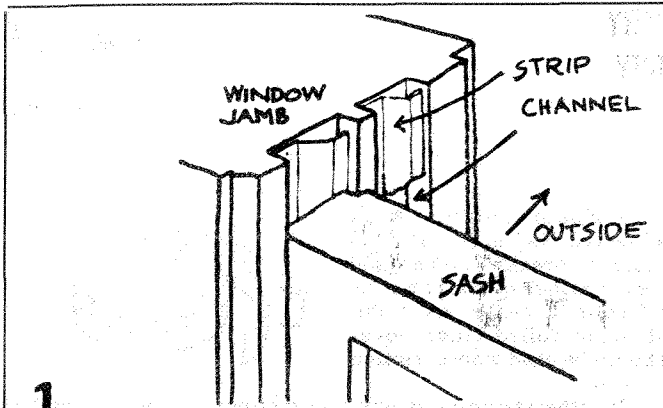


Be sure to allow for waste. If weatherstripping is purchased in kit form, be sure the kit is intended for your window type and size.

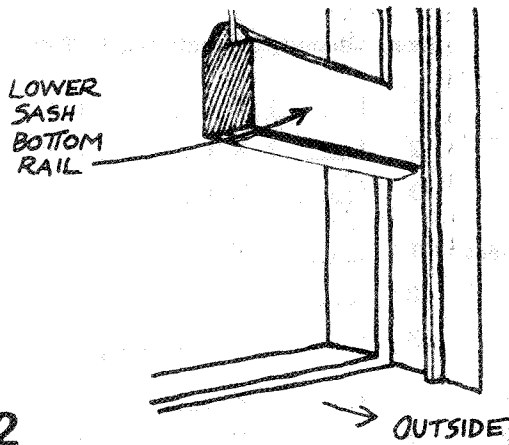
^{1/}Lloyd Walker, CSU research associate, agricultural engineering; fact sheet adapted from "In the Bank...or up the Chimney," U.S. Department of Housing and Urban Development (revised 3/1/80)

Installation

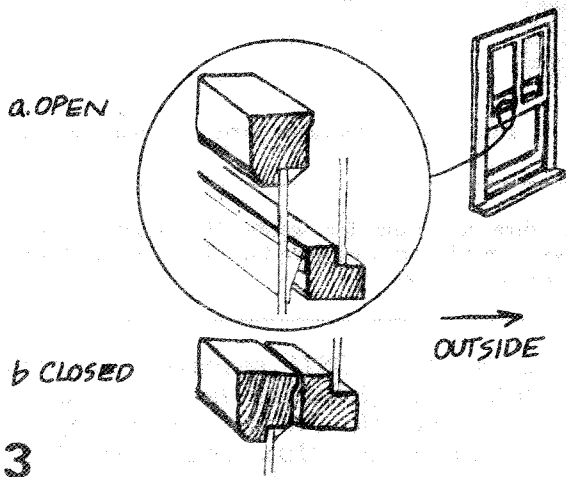
Thin spring metal



Install by moving sash to the open position and sliding strip in between the sash and the channel. Tack in place into the casing. Do not cover the pulleys in the upper channels.

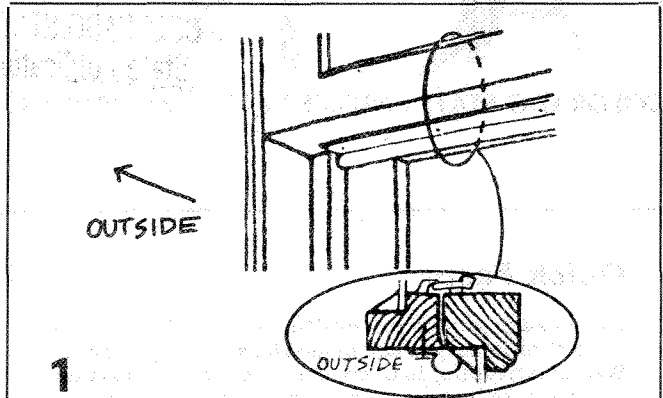


Install strips the full width of the sash on the bottom of the lower sash bottom rail and the top of the upper sash top rail.

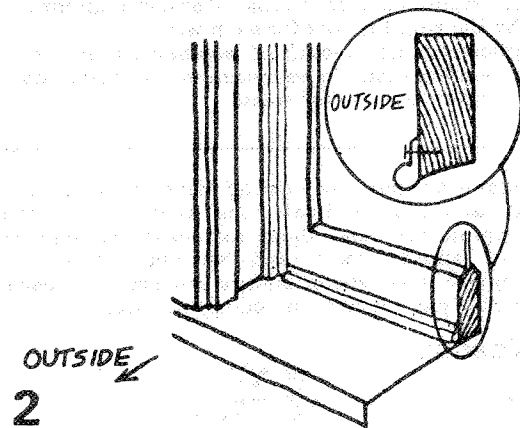


Then attach a strip the full width of the window to the upper sash bottom rail. Countersink the nails slightly so they won't catch on the lower sash top rail.

Rolled vinyl

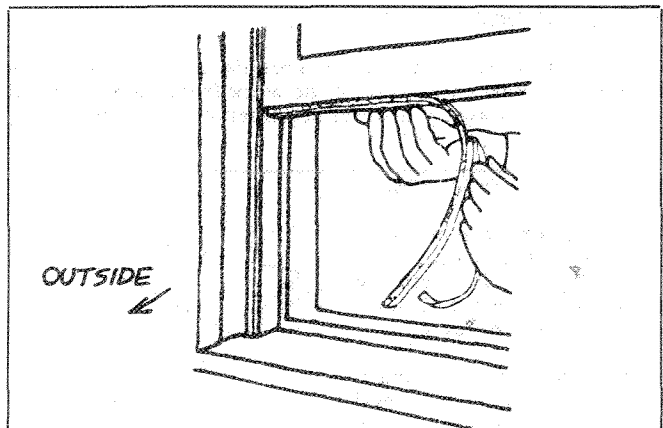


Nail on vinyl strips on double-hung windows as shown. A sliding window is much the same and can be treated as a double-hung window turned on its side. Casement and



tilting windows should be weatherstripped with the vinyl nailed to the window casing so that, as the window shuts, it compresses the roll.

Adhesive-backed foam strip



Install adhesive backed foam, on all types of windows, only where there is no friction. On double-hung windows, this is only on the bottom (as shown) and top rails. Other types of windows can use foam strips in many more places.