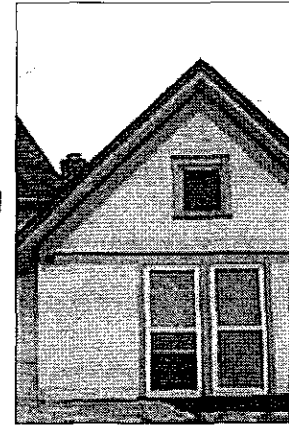


"Simple Steps to Working Windows"

A new resource is available on-line to help homeowners learn to make simple repairs on their wooden double hung windows. As part of a window rehabilitation workshop for contractors, we made an instructional video detailing the basics of window repairs including:

- Disassembling the window
- Removing deteriorated putty
- Reconditioning windows
- Installing spring bronze weather stripping
- Reassembling the window
- Lead Safe Work Practices
- Removing glass
- Installing new putty
- Replacing sash ropes & re-hanging weights

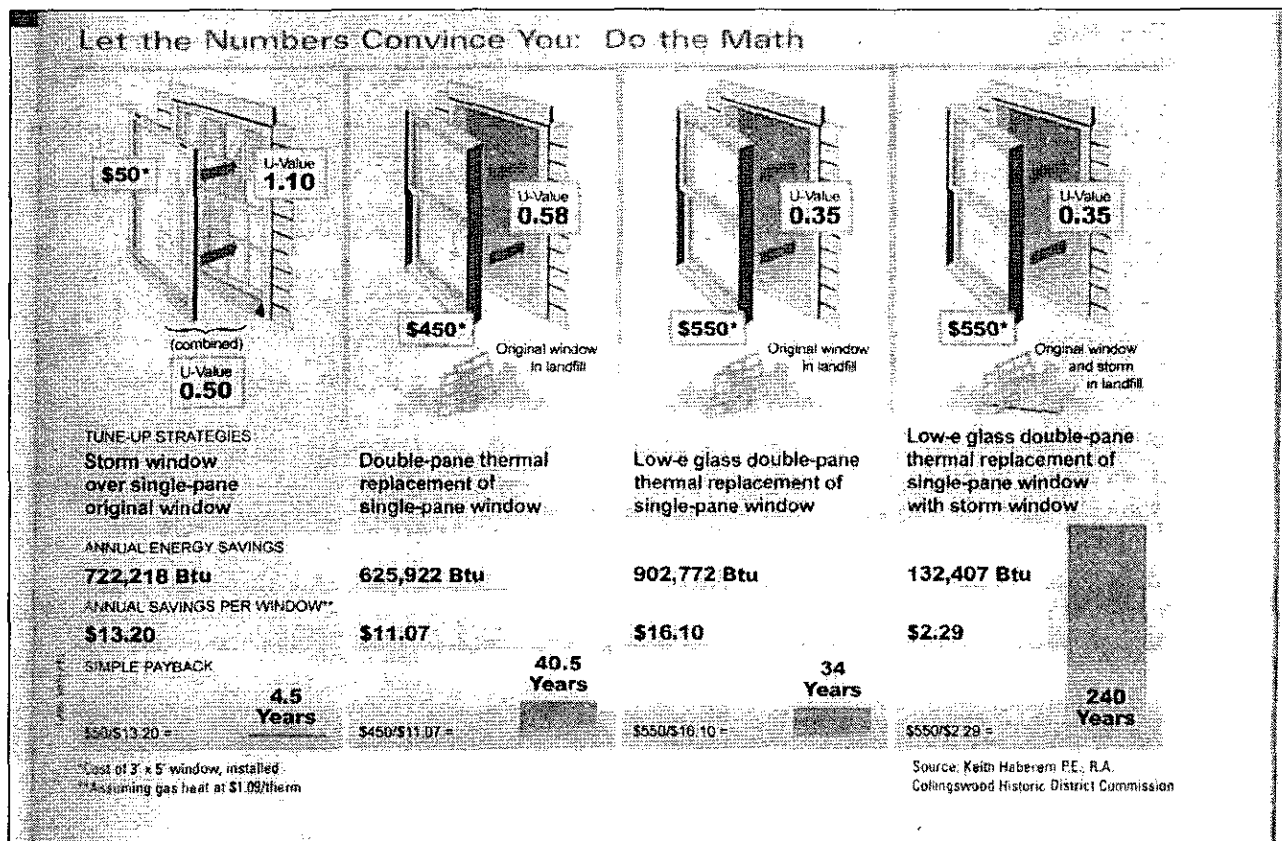


The five part video is available on YouTube (www.youtube.com) In the You Tube search window type in "Simple Steps to Working Windows"

BOOKS Two books on repairing your double hung wooden windows:

Save America's Windows, John Leeke – available from John's superb website www.historichomeworks.com

Working Windows: A Guide to the Repair and Restoration of Wood Windows, Terry Meany Available from www.globepequot.com or any bookseller.



RESOURCES for window rehabilitation

Materials you may not find easily at a home center

- ❖ UGL Glazol Glazing Compound – Glazol is linseed oil based and once it is in place it can be painted within 24 hours – sometimes less. DAP – a commonly available glazing compound, needs 21-28 days to cure for painting.

Available on the shelf by the quart or by order at most True-Value or Ace hardware stores.
Also available from (\$19.34/gallon + shipping):

e-Hardware-Store.com

P.O. Box 311024, Miami

33231, Florida

United States

PHONE: 786-462-0677

E-Mail: orders@e-hardware-store.com

- ❖ Samson Red Spot Sash Rope – Aetna - #7 (7/32") or #8 (1/4") – available off the shelf at many True Value Hardware stores. Best price online (\$10.28 + shipping for 100 foot roll) is:

Reliable Paper Inc

1030 A Northpoint Pkwy SE

Acworth, GA 30102-3133

678-324-3099

www.reliablepaper.com/

- ❖ Abatron – Highland woodworking (better price than www.abatron.com)

- wood consolidant (Liquid Wood) \$42.99 quart and

- filler (WoodEpoxy) \$62.99/half gallon

- PLUS shipping

- www.highlandwoodworking.com

1045 N. Highland Ave. NE

Atlanta, GA 30306

800.241.6748

- ❖ Weatherstripping – spring bronze

- www.kilianhardware.com

- www.springbronze.com

- If you buy the large coils (100 feet) remember to buy the little nails also – smaller quantities are packaged with the nails – large coils are not.

- 100 ft - \$68.00/100 ft + 5 packages of nails for \$4.50

- Kilian Hardware Co.

8450 Germantown Avenue

Philadelphia, PA 19118

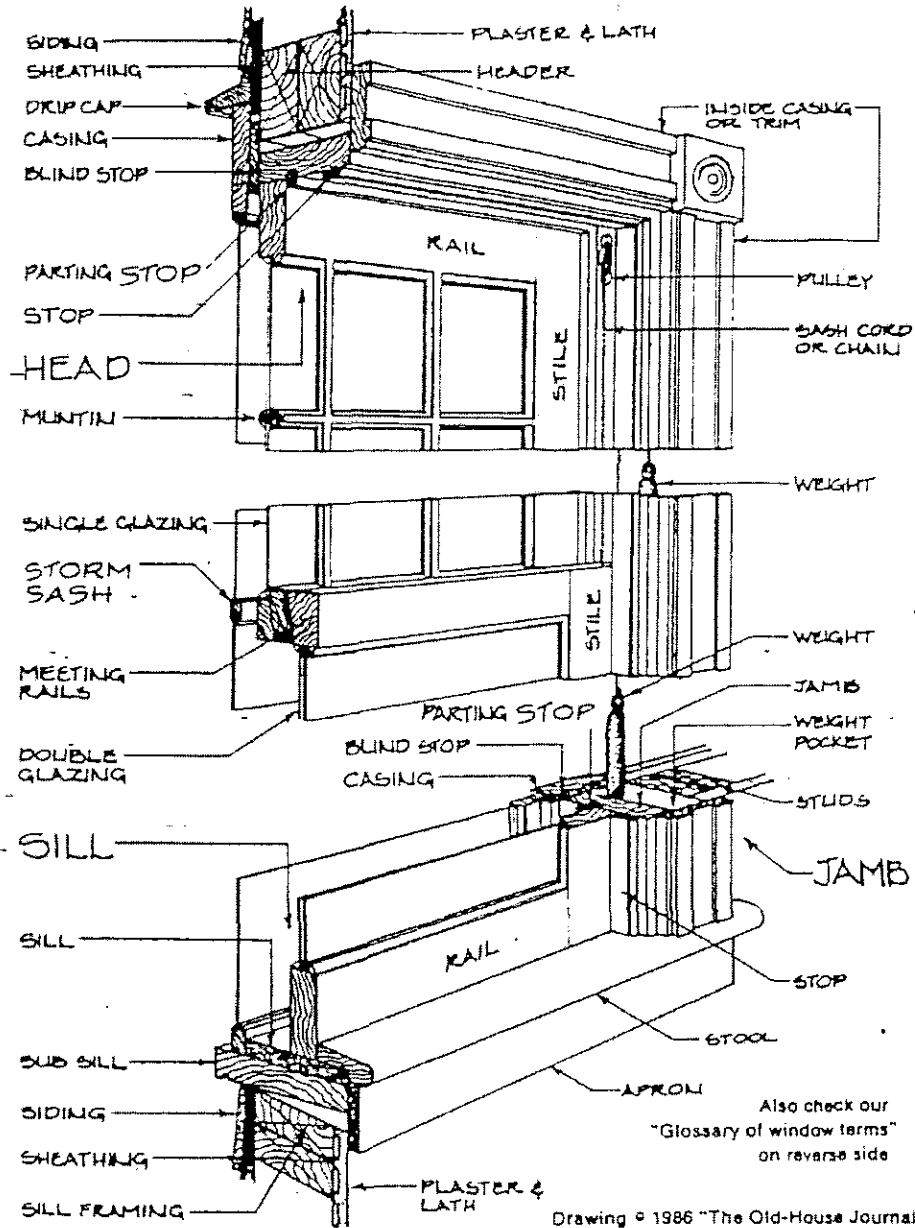
Phone: 215-247-0945 - they are wonderful with phone orders!

(Please call during business hours and Saturdays for immediate attention!)

Fax: 215-247-1870

(Best to call for quotes and technical information!)

Guide to window jargon . . .



Also check our "Glossary of window terms" on reverse side

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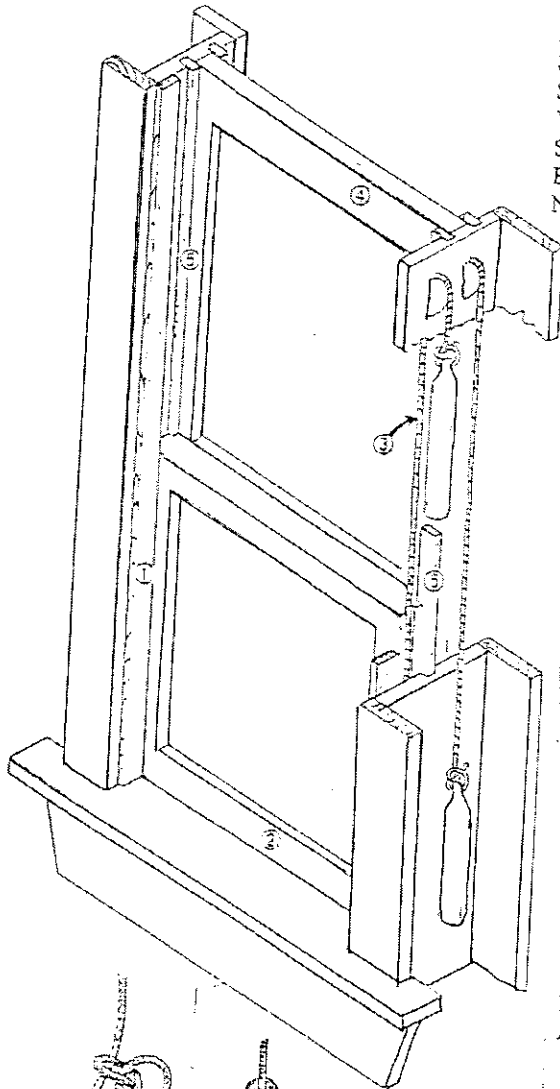
Sash ropes and weights hold windows open. They are relatively easy to repair for a low cost. While you have the window apart to repair the sash ropes, you might consider new putty at the same time. ALWAYS replace both ropes even if only one is broken.

5 part "How-to" video "SIMPLE STEPS TO WORKING WINDOWS" available on You Tube - put the title in the search window at www.YouTube.com

TIP SHEET

SASH ROPE REPLACEMENT

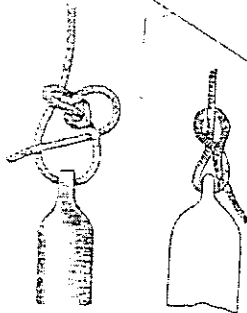
- ① STOP
- ② LOWER SASH
- ③ SASH CORD OR ROPE
- ④ TOP SASH
- ⑤ PARTING STRIPS



SASH ROPE REPLACEMENT

- | | |
|--------------------|------------------------|
| Tools: | Material: |
| Flat blade metal | Sash rope – COTTON |
| putty knife | 1-1½ nails WITH heads |
| Hammer | |
| Screwdriver | Optional: |
| Scissors | Wax or hard soap |
| Yardstick | Screws and washers to |
| Small pry bar | replace nails on stops |
| Box knife | |
| Needle nose pliers | |

1. Remove front stops: remove screws – score paint with box knife, use putty knife or small pry bar from back to minimize damage.
2. Take the lower sash out. If the rope is still attached, grab the knot with needle nose pliers and pull – the knot should be nailed in place.
3. Open the sash pocket by removing the screw and prying gently on the lower edge. Pull Sash weight out of pocket.
4. Measure the rope – be sure and include enough for a knot in the sash and the knots on the sash weight.
5. Feed end of sash rope over top of pulley – use string and weight or a length of sash chain to pull rope down to bottom of sash pocket.
6. Tie rope to sash weight.
7. If you are doing both sides (**HIGHLY RECOMMENDED!!**) repeat steps 3-7 for opposite side.
8. Tie a firm knot in end of sash rope.
9. Place knot into hole in sash. Drive a small nail with a head through the knot into the sash. Repeat on opposite side.
10. Put sash back into frame.
11. Re-attach stop. *If stop was attached with nails, consider replacing the nails with screw and washer combinations to make window repairs easier in the future.*
12. *Rub wax or hard soap on outer edge of sash before reinstalling for lubrication.*



SASH ROPE KNOTS

5 part "How-to" video "SIMPLE STEPS TO WORKING WINDOWS" available on You Tube - put the title in the search window at www.YouTube.com

Revised 01/2006