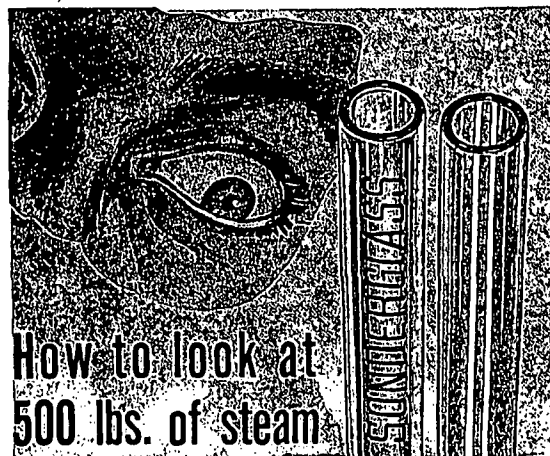




How to look at
500 lbs. of steam
safely

Safeguard your eyes from scalding steam and flying glass. Watch your water level safely through SONDERGLASS, the safe gauge glass. Virtually two tubes in one . . . the outer hardened to resist cold drafts and erosion . . . the inner to withstand great heat.

Sonderglass has been dipped into 450°F oil and repeatedly plunged into cold water without spalling or cracking. Today, equip your boilers with the safe glass — Sonderglass — and enjoy the satisfaction of knowing that you have the best.

SONDERGLASS

THE SAFE GAUGE GLASS



NEW PRESSURIZED SPRAGRIP

First Effective Treatment
for V Belts



Spragrip is an entirely new development and unlike any other belt dressing you have ever used. It is a permanent type dressing that gives an immediate power boost and will not lose its grip due to aging, oxidizing, glazing or drying out on the belt. Treat your V, flat, round, leather, rubber or fabric belts the easy way. Just press the button on the modern pressurized can of Spragrip and safely spray hard-to-reach sheaves and belts with this power boosting formula. The same formula is packaged in spout applicator cans under the trade name Belt-Flo. Money back guarantee. Write the A. W. Chesterton Co., Everett 49, Mass. for full information.

WHERE TO BUY SONDERGLASS

Alabama
Young & Voss, Mo.
Ala. Mch. & Sup., Dothan
Turner Sup. Co., Mobile
Ala. Mch., Montgomery

Arizona
McConkey, Ducker, Phoenix
Globe Mch., Globe
Ariz. Mch. Sup., Prescott

Arkansas
Mills & Miller Sup.,
No. Little Rock

California
Valley Pipe & Sup., Fresno
Jefferson Sup., A.
Western Ind. Sup., Sacra.
Mission Pipe & Sup.,
San Diego
W. E. Muellet, S. F.

Connecticut
Howley Mch., Bridgeport
W. S. Holmes, Danbury
Cuningham Sup., Midd.
Gordon Pkg. & Sup.,
New Haven
Albert Transm., Plainville
M. J. Daley & Sons,
Waterbury

Florida
Mills & Miller Sup.,
Lakeland
Compton & Barker,
Tampa
Compton & Barker,
Miami
Farquhar Mch., Jacksonville
Prucis, Mill Sup., Pasco

Georgia
Frederick Sup., Atlanta
S. David Farson,
Augusta
C. W. Farmer, Macon
Batterby Mch., Rome
Savannah Ship Chand.,
Savannah
Geo. Mch. & Sup., Albany
T. Moore Sup., Thomas

Indiana
Indiana Pipe & Sup.,
Indianapolis
Industrial Sup.,
Terre Haute

Illinois
Grt. Westn. Sup., Chicago

Kentucky
P. A. Vogel & Sons,
Louisville

Kansas
Capital Iron Wks., Topeka
Garst-Temple Sup., Wichita

Louisiana
Peabody Sup., Shreveport
Ind. Mch. & Sup.,
Baton Rouge
Standard Sup. & Mch.,
New Orleans

Massachusetts
Fred C. McCloskey Sup.,
Springfield
Fall River Steam, F. R.

Maryland
Matt. Eng. Co., Baltimore

Michigan
Kranzle Anderson, Detroit
I. W. Self Co., Houghton

Minnesota
Goodwin Co., Minn.

Mississippi
Geo. Sup. & Mch.,
Meriden

Missouri
L. C. Postinger, Kan. City
Rubber Prod. Co., St. Louis

Nebraska
Interstate Mch., Omaha

New Jersey
John Simons Co., Newark
Warren, Balderton, Trenton
A. J. Hoffman Sup.,
Paterson

New York
J. M. Warner, Troy
Chas. Miller & Son, Utica
Monaco Pipe & Sup.,
New York City
Chas. Miller & Son,
Schenectady
Burr Pipe Sup., Syracuse
B. F. Gilman Co., Eliza
Reel-Neel Co., Buffalo

North Carolina
Tidewater Sup., Asheville
Spartan Sup. Co., Raleigh
Barnhart Sup. Co., Raleigh
Curtis-Warren, Mt. Airy
Carroll Pipe & Sup.,
New Bern
Holand Co.,
Winston-Salem
Textile Mill Sup.,
Charlotte

Ohio
Assoc. Sups., Sandusky
Zimmerman Pipe, Cincinnati
A. J. Gilman Co., Dayton
Ohio Pipe, Findlay

Oregon
Morris Sup. Co., Port

Pennsylvania
E. Keeler Co.,
Williamsport
Paul B. Hurrell, Philadelphia
Sammy, Filler & Todd,
Pittsburgh
Reading Fdy. & Mch.,
Reading
Chas. E. Scott, Scranton
H. P. Weller Sup., Erie
Eaton Pipe Sup.,
Wilkes-Barre

Rhode Island
A. I. Sup., Providence

South Carolina
Sunter Mch., Sumter
Allen & Webb, Charleston
Pae Mch. & Sup., Greenville
Columbia Sup., Columbia

Tennessee
Dawson Prod., Chattanooga
Amer. Rad. & Spn.,
Savannah, Georgia
C. M. McCloskey Co.,
Tomball
John Beuchard Sons,
Nashville

Texas
Hornby Mch. Mch.,
Wichita Falls
The Murray Co., Dallas
Wall Mch. & Sup.,
Fort Worth
Peele Iron & Steel, Waco

Utah
Schieren-Jarvis, Salt Lake

Virginia
Barker-Jennings, Lynchburg
A. Lynn Thomas,
Richmond
McDonald Co., Roanoke
Appomattox Iron Wks.,
Pittsburgh

Washington
Poland & Co., Spokane
Steam Sup. & Mch.,
Seattle
Yakima Mch. Co., Yakima
The Lloyd Co., Everett

Canada
Lytle Eng. Co., Montreal
Bell Marine, Port Colborne

A. W. CHESTERTON CO.
6 ASHLAND ST., EVERETT 49, MASS.

PLANT OPERATION and MAINTENANCE SECTION



RECORDS for maintenance department, like the above, are quickly tabulated on this high-speed calculator by this girl

COST OF REPAIRS AND MAINTENANCE		JULY 1953	
DATE	DESCRIPTION	AMOUNT	TOTAL
7/1	Change oil & grease	5.13	
7/2	Change oil & grease	5.13	
7/3	Change oil & grease	5.13	
7/4	Change oil & grease	5.13	
7/5	Change oil & grease	5.13	
7/6	Change oil & grease	5.13	
7/7	Change oil & grease	5.13	
7/8	Change oil & grease	5.13	
7/9	Change oil & grease	5.13	
7/10	Change oil & grease	5.13	
7/11	Change oil & grease	5.13	
7/12	Change oil & grease	5.13	
7/13	Change oil & grease	5.13	
7/14	Change oil & grease	5.13	
7/15	Change oil & grease	5.13	
7/16	Change oil & grease	5.13	
7/17	Change oil & grease	5.13	
7/18	Change oil & grease	5.13	
7/19	Change oil & grease	5.13	
7/20	Change oil & grease	5.13	
7/21	Change oil & grease	5.13	
7/22	Change oil & grease	5.13	
7/23	Change oil & grease	5.13	
7/24	Change oil & grease	5.13	
7/25	Change oil & grease	5.13	
7/26	Change oil & grease	5.13	
7/27	Change oil & grease	5.13	
7/28	Change oil & grease	5.13	
7/29	Change oil & grease	5.13	
7/30	Change oil & grease	5.13	
7/31	Change oil & grease	5.13	
TOTAL		158.10	

"Cards Slash Maintenance"

says Sharon J. Ellis, Production Vice-President, Thermoid Corp

Spotlight is thrown on high maintenance costs
Careless operating methods
found from cards
Inefficient machinery is repaired because of records
Incentive pay is higher—also
Over 60% is saved on maintenance bookkeeping

PLANT-MAINTENANCE COSTS are cut to the bone with accurate cost-accounting equipment at Thermoid Co., in Trenton, N. J. We had to adopt such a system because maintenance is complicated by the many items we manufacture. For 70 years we have made rubber products, such as conveyor belts, automotive and industrial hose, power-transmission belts, and miscellaneous molded-rubber products. Other items have been gradually added until, today, industrial and automotive friction materials form a large part of production. Besides all this, our adjoining textile mill on 25 acres makes rubber-backed carpeting for automobiles. That all takes maintenance.

Card System. The key to successful maintenance is work assignment by time and material cards. And here is the system that helped solve our problems. Foremen desiring maintenance or repair work phones the chief maintenance dispatcher. He gives dispatcher the machine number (each machine is tagged with a number) to be repaired. Dispatcher then makes up a time card for each job. Card shows machine number, order number, and clock number of maintenance man to perform the work. Each maintenance man has in his own card box a bank of "work ahead" cards, from which he works. These are