

DO YOU KNOW HOW TO CONSERVE COAL IN FURNACE? PURDUE EXPERTS TELL

To Whom It May Concern:

If press reports are correct to the effect that soft coal production is about 45 per cent of normal, and hard coal production somewhat above normal, we can get along if we will only use our fuel economically.

These papers are addressed to local fuel administrators and conservation committees, to managers of small power plants and to domestic users. Large power plants are usually managed by competent engineers, who presumably are making every effort to save fuel.

There is considerable fuel going to waste about the country, principally in the form of dead wood.

Local fuel conservation committees should arrange to purchase this fuel from the owners and put it on the market; if necessary, calling for volunteers to cut and deliver it at a fair compensation.

Usually the owner of such waste fuel should use it to supply his own needs and refrain from burning coal.

Large quantities of waste paper are available. A pound of paper has practically the same heating value as a pound of hard coal; and all such material which is not bought by the paper makers as raw stock should be used as fuel in the present emergency. The first duty of all is therefore to find and use their available supplies of fuel other than coal. The next duty is to use all fuel economically.

In these papers we state methods which are immediately available and in most cases require nothing more than intelligent care on the part of the coal user.

We list first:

FOURTEEN POINTS

COAL SAVING IN DOMESTIC USE

1. Keep your house not over 68 degrees Fahrenheit.
2. Do not heat unused space.
3. Do not cool off house by opening windows or doors. Check fire, shut register or turn off radiators.
4. Furnace or boiler and pipes should be properly insulated, that is, covered with nonconductor of heat.
5. Install window strips and storm windows; stuff up all other cracks.
6. Clean soot and ashes from all heating surfaces daily.
7. Remove all ashes from ash pit daily.
8. Do not control fire by furnace doors; use your dampers.
9. In furnace systems the air ventilation of living rooms of dwellings is usually sufficient from natural leakage. Ventilate sleeping rooms, but do not heat them and keep them shut off from the rest of the house.
10. Test your ashes by sifting. If there is much coal you are shaking your grates too often. Call in an expert if you can not operate without the excessive shaking.
11. Keep a deep fire. Use cooking method of firing unless you can give fire constant attention. (See below.)
12. Install proper dampers so that draft may be properly regulated.
13. Banking at Night—Bank hot furnace thoroughly. Bank steam furnace thoroughly. Hot water can not be banked much.
14. Humidify the air as much as possible by filling the water pan of your furnace every day.

The principal losses during combustion are from gases which are given off as the fuel becomes heated and from unburned fuel lost in the ashes.

TO BURN GASES FROM FUEL. In order to burn the gases four things are necessary:

1. Air enough to burn the fuel.
2. Thorough mixture of gas and air.
3. Heat enough to make the oxygen in the air unite with the gases.
4. Time enough for the air and gas to mix and burn thoroughly.

We give below the best general directions that we can for attaining these four things; but we would recommend that the consumer study his own furnace with these four things in mind. Intelligent study and action on the spot will do much that we can not say.

Pyramid Pile Treatment

The Great Household Treatment for Itching, Bleeding or Freezing Piles.



SEND FOR FREE TRIAL. Almost every family has at least one sufferer who should have a try at the blessed relief afforded by Pyramid Pile Treatment. You can have a free trial by mail or if you cannot wait, get a 60-cent box at any drug store. There is no substitute. Join the happy throng who sing the praises of Pyramid. Use this coupon for free trial.

FREE SAMPLE COUPON

Pyramid Drug Company, 675 Pyramid Bldg., Marshall, Mich.

Kindly send me a free sample of Pyramid Pile Treatment, in plain wrapper.

Name.....

Street.....

City.....State.....

Good Evening!

Have you seen our new

IVORY

XMAS IS COMING



not accomplish through general directions. Smoke from the fire is a sure indication that gases are going off unburned. Therefore, as long as your chimney smokes, you are wasting coal. Domestic coal burning may be divided into two classes:

1. Where the furnace can be cooled frequently; that is, at intervals not longer than two hours.
2. Where the furnace can be tended frequently; that is, at intervals not longer than two hours.

FREQUENT COALING

Carry the fire as nearly level with the bottom of the furnace door as possible, all the way across the fire-box.

Place a small quantity of coal, a half shovel full or a few small lumps, or one lump (say of about 100 cubic inches) right in the middle of the fire. In firing lump coal, the size of the lump may be increased in proportion to the length of time that the fire must be left without attention.

The four necessities are supplied as follows: Air passes in the ash pit door, through the grate and up through the fire. With soft coal supply air above the fire by leaving the drafts in the furnace door wide open. With anthracite close the drafts in the furnace doors, unless an unusually heavy charge is fired. These instructions are capable of improvement by capable manipulation of the individual furnace.

Hot air rises from the fire all around the fresh coal and mixes with the gases coming off the coal.

The fire under and around the fresh fuel supplies the heat. Time should be afforded by holding the gases in the firebox as long as possible by not opening the ash pit door and the dampers any more than

Scoffers and Doubters

Why Let Prejudice Blind You to a Life of Rheumatic Torture?

Be fair to yourself, you sufferers from rheumatism, no matter what form. Get from your druggist a package of Rheuma, the guaranteed prescription. Use the entire bottle, and if you don't think it has given you quick and satisfying relief, say so, and you can have your money back.

Then state the Rheuma treatment today. It's a reputable physician's prescription, altogether different from remedies usually prescribed—free from narcotics, and perfectly harmless.

Rheuma acts on the kidneys and helps to force the uric acid from the swollen joints and other lodging places. It will please you in a day and make you hopeful and happy in a week or money refunded.

Rheuma has released from bondage rheumatic sufferers who thought nothing would give relief. It should do as much for you—it seldom fails.—Adv.

is necessary to keep the house comfortable.

AT NIGHT

For Hot Air and Steam. In Mild Weather—if possible, do not put on any fresh coal for an hour or two before going to bed. Then cover the fire uniformly with ashes all over, until no fire can be seen. Close ash pit and furnace doors. Close drafts in furnace door, close ash pit damper, open check draft and close damper in flue leading to chimney. In the morning shake the grate slightly and resume firing as above instructed.

In Moderate Weather—if possible, do not put on any fresh coal for an hour or two before going to bed. Then cover fire over with anthracite coal of nut or pea size or with coke of similar size, if either is available; if not, leave the fire bare. Close ash pit and furnace doors and so forth, as directed above for mild weather. In the morning shake the grate only as much as necessary and resume firing as above instructed. To insure comfort to the family arising have member shake the grate and resume firing about one hour before the rest get up.

In Severe Weather—Fire as for prolonged inattention under which ever system of firing is used. When very fine coal is burned in a strong draft, it may pay to wet it enough to keep the fine coal from being carried bodily out of the chimney by the draft; that is, dampen the coal slightly—enough to make it stick together. Shelter your coal from snow and rain. Too much air wastes fuel as well as too little.

If the domestic user keeps his fire-box full of ashes and coal up to the bottom of the fire door and checks the draft on his furnace promptly, as soon as the house reaches a comfortable temperature, he will probably not use too much air.

GEORGE H. SHEPARD, Professor of Industrial Engineering and Management. GEORGE CARL KING.

DON'T BE WITHOUT SLOAN'S LINIMENT

Keep it handy—it knows no equal in relieving pains and aches

SLOAN'S LINIMENT has been sold for 38 years. Today, it is more popular than ever. There can be but one answer—it produces results.

Applied without rubbing, it penetrates to the afflicted part, bringing relief from rheumatic twinges, sciatica, sore, stiff, strained muscles, lame back, and other exterior pains and sprains and the result of exposure. It leaves no mark, stains, clogs pores.

Get a large bottle for greater economy. Keep it handy for use when needed. Your druggist has it. Three sizes—35c., 70c., \$1.40

Sloan's
Liniment
Keep it handy

Assistant Professor of Engineering Design. RALPH H. NOLAN, Assistant Professor of Heating and Ventilation. Purdue University.

Report Urges Development of Pacific Coast Yards

WASHINGTON, Dec. 9.—Development of Pacific Coast naval shore establishment during the next five years at a cost of \$158,000,000 is recommended in the report of the special board headed by Rear Admiral J. S. McKean sent last year to check up on its previous program. Deep water fleet bases at Bremerton, Wash., at a cost of \$44,000,000, and at San Francisco, at a cost of \$51,000,000, are the chief items proposed, the San Francisco project as previously outlined by the Helm board having been increased by proposed destroyer and submarine basins.

The report urged establishment within three years of the base at San Francisco, saying that with the Bremerton base it would provide two deep-water stations for the capital ships, the minimum required for efficient operation of the Pacific fleet. In addition, expansion of facilities at San Diego to provide a complete operating

This Blouse



of Georgetown, elaborately trimmed and hemstitched will make a most welcomed Christmas Gift for women.

Large assortments and a truly wonderful selection will be found at Popular Prices at—

The Fashion Shop
618 MAIN

base for southern California was recommended to include fleet supply facilities and a repair base for the smaller ships. Advantages of this point as a base for maneuvers and target practice were emphasized. The board agreed with the Helm Commission (1917) that insufficient depth of water rendered the Mare Island yard unavailable for development as a base in San Francisco harbor and favored Alameda site over that at Hunter Point, although withholding final decision pending further sub-surface exploration.

STOCKHOLDERS MAY GET DIVIDENDS IN BOURBON

CHICAGO, Dec. 9.—Rumored possibility that dividends of the United States Food Products company, legal successor to the former Distillers' Securities corporation, would be distributed in the form of distilled liquor in-

A Real Hair Saver and Beautifier

Found at Last—Shows Results at Once or Nothing to Pay

If your hair is thinning out, prematurely gray, brittle, lifeless, full of dandruff, or your head itches like mad, quick action must be taken to save your hair.

Don't wait until the hair root is dead, for then nothing can help you. Get from any good druggist today a bottle of Parisian sage—it doesn't cost much and there's nothing else you could use that's so simple, safe and effective.

You will surely be delighted with the first application. Your hair will seem much more abundant and radiant with life and beauty—all itching ceases and your scalp feels cool and comfortable.

Parisian sage is in great demand by discriminating women because it is delicately perfumed, does not color or streak the hair, and keeps it lustrous, soft and fluffy.

Be sure you get the genuine Parisian sage (Glorious). This is guaranteed to give perfect satisfaction or money refunded.—Adv.

DR. LEE C. HOOVER
Veterinarian
Phone 1399 20 S. 12th St.

NOTICE OF REMOVAL

The Valier and Spies Milling Co. has moved from corner N. 5th and D St., to 33 N. 9th St. Opposite the Post office.

stead of currency caused much comment here today. One broker estimated that on a conservative basis such action might release 1,500,000 gallons of bourbon whiskey as dividends on the 307,728 shares of the corporation's stock.

CHICAGO PAPERS CUT SIZE CHICAGO, Ill., Dec. 9.—Local publishers of daily newspapers, to aid in conservation of coal in addition to seeking to relieve the white paper shortage, began today reducing the size of their publications. The reduction will be equal to 10 per cent greater than the wartime restrictions of the war industries board.

A Home Recipe for Wrinkled, Saggy Skin

The famous saxonite lotion recommended by beauty specialists for removing wrinkles and for reducing distended pores, can easily be made at home. Ask your druggist for saxonite in powdered form, one ounce, and a half pint of witch hazel. Dissolve the powder in the witch hazel and bathe the face, neck and hands in the solution. Results are remarkable, and instantaneous. The skin tightens, and this naturally reduces the wrinkles, as well as creases or folds about the neck, cheeks or hands. The tissue beneath the skin also becomes firmer and more solid.

One feels much more refreshed and exhilarated after using this wonderful preparation. Many women look five or ten years younger after using it a short time.—Adv.

Try WHELAN'S
"So Far Ahead It's Lonesome"

Insist on the package with the wheel on. It's your protection.

Your Grocer sells it—If not Call us

OMER G. WHELAN

"THE FEED MAN" 31-33 So. 6th St. Phone 1679

A Woman's Right is to enjoy good health. The secret of good health is chiefly to maintain normal activity of the stomach, bowels, liver, skin and kidneys.

BEECHAM'S PILLS
Largest Sale of Any Medicine in the World. Sold everywhere. In boxes, 10c., 25c.



JAZBO JIM Says:

When yo all am lookin' at de paper jes remember dat deres gwan to be some good Christmas saving news in a ad dat will run. Better look fo it cause it will sabe yo all money on Xmas shopping

PALLADIUM WANT ADS PAY

Owl Drug Co.

SUCCESSORS TO THE ROSS DRUG CO., 712 MAIN

FRESH GOODS—QUICK SERVICE—LOW PRICES

Buy at the Owl Drug Co. once and you will always come here thereafter. Our many customers find this the best Drug Store at which to do their buying. The merchandise is fresher and prices lower—that is the reason.

CIGARS—CIGARETTES—TOBACCO—SNUFF

A FEW OF OUR REGULAR BARGAINS SHOP EARLY

Apollo and Lowney's Candies

- \$1.25 Vinol98¢
- 60c Syrup of Figs.....48¢
- 35c Castoria29¢
- 60c Laxative47¢
- 25c Pond's Vanishing Cream23¢
- 50c Pond's Vanishing Cream45¢
- 35c Danderine31¢
- \$1.10 Miles Nervine.....95¢
- \$1.15 Wine of Cardui.....95¢
- 60c Listerine43¢
- 30c Listerine23¢
- 60c Mustorole48¢
- 30c Mustorole24¢
- 30c Sanitol Tooth Powder24¢
- 35c Peterson's Ointment32¢
- 25c Beecham's Pills22¢
- 60c Canthrox51¢
- 30c Celery King26¢
- 50c Pebeco Tooth Paste45¢
- 60c Glover's Mange Cure59¢
- 35c Senreco Tooth Paste29¢
- 50c De Witt's Kidney Pills34¢

- 30c Bromo Seltzer25¢
- 60c Bromo Seltzer49¢
- 50c Drake's Croup38¢
- 60c Listerine43¢
- 65c Doan's Kidney Pills49¢
- \$1.50 Scott's Emulsion for\$1.26
- 75c Scott's Emulsion86¢
- \$1.00 Nujol89¢
- 50c Eatonie42¢

DURHAM DUPLEX DEMONSTRATORS

9c

- 35c Gets It Corn Remedy28¢
- 90c Parment80¢
- 75c Wyeth's Sage and Sulphur63¢
- 25c Mentholatum21¢
- 50c Mentholatum42¢
- 25c Nature's Remedy Tablets21¢

- 50c Horlick's Malted Milk39¢
- 25c Swansdown Powder21¢
- 25c Creme De Meridor21¢
- 50c Creme De Meridor42¢
- 40c Pompeian Night Cream33¢
- \$1.93 S. S. S.\$1.48
- \$1.10 S. S. S.83¢
- 85c Jad Salts69¢
- 35c Castoria29¢
- \$1.00 Nuxated Iron.....89¢
- 25c Laxa-Pirin Tablets21¢
- 30c Laxative Bromo Quinine23¢
- 25c Nature's Remedy21¢
- 60c Sal Hepatica47¢
- 30c Vick's Salve24¢
- 25c Carter's Liver Pills18¢
- 60c Swamp Root48¢
- 25c Phenolax Wafers19¢
- \$1.00 Squibbs Oil.....85¢
- 75c Bellans63¢
- \$1.25 Pinkham's Compound95¢

Waterman and Parker Fountain Pens

You will be pleased with our free public service. Stamps at all times, free telephone and late directory.

—MEET YOUR FRIENDS AT THE—

Owl Drug Co.

712 MAIN

PHONE 1217

Wednesday Coupon Sale

COUPON

Boys' \$10 Corduroy Roy Suits\$7.75
Suits 7 to 15 years, dark drab, close cord, well tailored, Norfolk style, suits with coupon\$7.75

COUPON

\$2.50 SUIT CASES\$1.88
Leatherette, black finish, re-enforced corners, strong handle, durable lock, large size, with coupon for\$1.88

COUPON

Children's \$1.25 Leather Mitts\$1.12
Dress mittens with fur trimming, warm lining, special value, with coupon\$1.12

COUPON

Mary Garden SACHET POWDER.....93¢
An acceptable gift, bottle of Mary Garden Sachet Powder, save, with coupon93¢

COUPON

1919 CROP NUTS, Pound36¢
Brazilian or Almonds, selected hand selected, guaranteed fresh nuts, with coupon, lb.36¢

COUPON

RAYO PEANUT BUTTER, Pound29¢
In tin pails, guaranteed under pure food law, excellent quality, with coupon29¢

COUPON

\$1.00 O-CEDAR 79¢
Genuine O-Cedar Mops, complete with stick, save 21c, with coupon for79¢

COUPON

18c COTTON BATS12¢
Direct from cotton fields, Dixie land, comfort cotton at wholesale price, with coupon12¢

COUPON

Men's \$2.50 DRESS SHIRTS.....\$2.19
New 1919 patterns, neat fast colored striped shirtings, cut full size, buy for Xmas with coupon\$2.19

COUPON

Under-selling Prices on all Toys

COUPON

Boys' Khaki PLAY SUITS.....\$2.88
Soldier or Scout Suits, complete with cap and leggings, sizes 2 to 12 years, with coupon\$2.88

COUPON

Men's \$1.00 SILK TIES75¢
Large figured Silk Four in Hand newest coloring with coupon75¢

COUPON

\$4.00 LARGE BED BLANKETS\$3.49
Full bed size, grey or tan, colored border, double blanket, with coupon\$3.49

COUPON

\$5.50 PLAID BLANKETS\$4.85
Bright plaid soft fleece finish, full size double blanket, special with coupon\$4.85

COUPON

Women's \$1.50 House Slippers.....\$1.19
Fancy knitted wool in assorted colors, come early, small lot with coupon\$1.19

COUPON

Women's 39c LISLE HOSE33¢
Dark brown cotton lisle, re-enforced heel and toe, special, with coupon33¢

COUPON

Women's \$1.75 UNION SUITS.....\$1.49
Medium fleece lined, high neck and long sleeves, in all sizes with coupon\$1.49

COUPON

DOLL CARRIAGES88¢
Folding metal frame doll carriages, just right for baby, with coupon for88¢

COUPON

Men's 75c SILK HANDKERCHIEFS.....63¢
Fast colored beautiful silk handkerchiefs, make fine Xmas presents, with coupon63¢

COUPON

Men's 59c DRESS SUSPENDERS.....51¢
Pure gum elastic, genuine leather, button attachments, with coupon for51¢

COUPON

50c TEA APRONS39¢
White lawn with lace insertion and ribbon trimmed, with coupon39¢

COUPON

MEN'S SUP- PORTER SETS65¢
In Xmas box, one pair Paris silk hose supporters and arm bands, with coupon65¢

COUPON

Women's \$1.50 House Slippers.....\$1.19
Fancy knitted wool in assorted colors, come early, small lot with coupon\$1.19

COUPON

\$1.25 DRESSED DOLL89¢
Unbreakable, fancy dressed doll, buy now for Xmas, with coupon 89¢

COUPON

MECHANICAL TRAINS98¢
Circular track with clock work engine and cars, special, with coupon98¢

COUPON

\$2.00 BOUDOIR SILKS\$1.49
Geco silk dressing sacque and cap, lace trimmed, dainty Xmas present, with coupon\$1.49

COUPON

50c BOX OF HANDKERCHIEFS.....31¢
Three fancy embroidered handkerchiefs in attractive Xmas box, with coupon31¢

COUPON

\$4.00 Crepe De Chine Waists.....\$2.98
White or flesh, less than price of material, exceptional value, for Wednesday, with coupon\$2.98

COUPON

\$1.25 TABLE SQUARES\$1.10
White washable materials, 30 in. square, lace medallion centers and lace edge with coupon\$1.10