

LIFE OF MINE PROPS.

An Enormous Saving in the Cost of Coal Mining Can be Effected by the use of Preservatives.

One of the biggest expenses connected with coal mining is found in the mine timbers used to support the various gangways. Their destruction by decay and breaking costs many hundreds of thousands of dollars annually and in some cases the loss of human life. Mine operators are fully familiar with these losses. They know also that the seasoning and the preservative treatment of timber add to its life in service in the mine. But it has only recently been established by experiment that effective seasoning and treating with creosote, carbolinum, and zinc chloride as wood preservatives can be secured at a cost so slight in proportion to the greatly increased life of the props as to effect a material saving. The experiment carried on during the past few months by the Philadelphia and Reading Coal and Iron Company, at its collieries near Pottsville, Pa., under the direction of a member in the Forest Service, has resulted in an economy which demonstrates that the preservation of mine props can be put on a firm commercial basis.

In the loss of mine timbers at least 60 per cent are destroyed by decay and the remainder by crush. The percentage charged to decay should be even higher, because many of the timbers which break have already been weakened by decay. Decay is probably the cause of 75 per cent of all failures in mine timbers. Decay in props is principally caused by wood-destroying fungi. Warm, moist air, together with certain gases always found in mines, greatly favors the development of these fungi. Ventilation is an enormous factor. Timber in the vicinity of shafts and slopes where there is abundance of fresh air lasts longer than that deeper in the mines. The variation of moisture and temperature within mines is so wide that timbers may decay in eight months or may last several years. Timbers that are constantly wet or constantly dry last longer than those subjected to an alternation of these conditions.

Insects play a very considerable part in the destruction of mine timbers. Many forms are found, including bark borers, ants, and timber worms. Their presence may be due to allowing logs to lie unpeeled for a considerable time after felling. Insect-infested timber is frequently overlooked by the inspectors and allowed to go inside the mines. Ants and cerambycid borers may attack props after they go in the mine. There decay spreads rapidly, and the destructive work of the insects appears to be in no way affected by the lack of light or by presence of gases. Creosote and carbolinum are effective insecticides and stop the work of the wood-borers.

A mine prop is composed of three parts, which together form a "set"—two uprights, called legs, across the top of which is a crosspiece, called a collar. After a prop is decayed sufficiently to necessitate its removal, it is replaced. At times, when only one leg is decayed, that

leg alone is removed and replaced by a new one. Frequently, however, the whole set is replaced, and this involves the destruction of all the logs by sawing them in two to remove them.

Various materials and methods for preservative treatment have been tried, and up to the present time all have proved efficient. Only time will show which are the most satisfactory from the practical point of view. Applied with a brush, creosote and carbolinum give an excellent penetration in solid wood, frequently averaging from one-fourth to one-half an inch. The amount of oil that seasoned loblolly pine takes from a brush application is surprising, especially in the end grain. Little difference in penetration has as yet been noted between creosote and carbolinum, though the latter seems better on absolutely green timber. All brush treatments were applied hot and in two coats. The second coat absorbed practically as much oil as the first.

Open-tank treatment has succeeded beyond all expectations. This consists of an immersion of the timbers for several hours in preservative and then allowing them to cool to atmospheric temperature. While the feasibility of the open-tank treatment has been demonstrated, there is much yet to be learned. The cost may be reduced by shortening the immersion and thus consuming less fluid. A very heavy treatment is not necessary. The best preservative approximately double the serviceable life of railway ties and may be counted on to do the same or better for mine props. Seasoned and treated props, which were put in alongside of the old-style props, unseasoned and unpeeled, are as sound as ever, while the others are already showing signs of fungous growth and decay.

Most of the props in the collieries investigated are loblolly pine; Pennsylvania pitch pine furnishes 20 per cent; black and red oak, 10 per cent. The loblolly pine comes from Maryland and Virginia; the pitch pine from north-central Pennsylvania, and the oak largely from New Jersey and Pennsylvania. The experiments have been mainly on loblolly pine, the wood most used.

The Louisa National Bank.

The place to deposit your money is in the Louisa National Bank, which has a capital of \$50,000.00, surplus and profits of \$5,000.00, and a security of \$105,000.00 for depositors. Insurance of every kind against loss. Our business is conducted upon a conservative basis. Security is the first thing to consider in placing your money for safe keeping.

We are at your service and have every modern facility for handling your business. You are invited to open an account with us.

THE LOUISA NATIONAL BANK,
Louisa, Ky.
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AUGUSTUS SNYDER.

RAILROAD WATCHES.

New supply of 17, 19 and 21 jeweled watches just received at Conley's store. These watches are suitable for railroad men or others who want accurate time. Some of them were bought at less than regular price and will be sold accordingly.

TO POLICY HOLDERS.

Insurance Fight is Nearing a Close and Holders Should Vote.

Big Sandy News:—

I am requested by the International Policyholders Committee to make a personal appeal to you that will aid in bringing out the policyholders' votes for Directors in the New York Life and Mutual Life Insurance Companies in the election now in progress. Up to this time about 40 per cent of the policyholders in these Companies have voted, although every reasonable effort has been made to interest them so far as the means at the disposal of the Committee permit. It to make this effort.

You understand, of course, that the Committee has relied upon voluntary contributions for its work, and has been hampered in every direction by the Companies. The Committee has had no funds to make a personal canvass of the policyholders, whereas, on the other hand, the insurance companies have converted their organizations of over 20,000 agents and other employes into a vast campaign machine, spreading false and misleading statements in every direction. The last day for depositing the votes in the office of the Company in New York is December 15th. No vote that arrives after that date can be counted.

The result of the election depends on the uncast vote. Almost every vote procurable by the personal influence of the agents of the companies has been secured. The votes not yet cast belong mainly to the policyholders' tickets, and we want to enlist your assistance in this public movement to bring out that vote.

We are particularly anxious through the press to correct the misrepresentations that are being spread broadcast by agents and canvassers paid with policyholders' money, such as that Tom Lawson, or Tom Ryan, or any other Tom, Dick or Harry is behind this movement. It seems almost incredible that any one should for a moment believe that such men as Richard Olney, Judge George Gray, Dr. Conwell, Judge Parker, Charles Emery Smith, General Benjamin F. Tracy, Edgar E. Clark, Governors of six States, Congressmen, Members of the Houses of Lords and Parliament, and many other men of large business affairs that constitute this Committee, should be animated by a single selfish or ulterior motive.

The success of this movement is a vindication that the people of this country are at all times able and willing to take care of their own affairs.

This is the last appeal the Committee will be able to make to you. The press has supported this movement with almost one voice. But for its magnificent work, nothing whatever could have been accomplished. We have not had a dollar to spend in advertising.

We ask you to give such prominence as you feel possible to the fact that the policyholders are now being given the last opportunity to vote, and to urge them to do so.

Yours very truly,
International Policyholders Committee,
G. R. Scrugham,
Manager.

FAVORED BY BOTH PARTIES.

Republicans and Democrats alike praise Foley's Honey and Tar for coughs, colds and all throat and lung diseases, as no other remedy can compare with it. It is safe and sure. F. T. Slater, merchant, 171 Main St., Gloucester, Mass., writes "Foley's Honey and Tar cured me of a very bad cough which I had for three months though other remedies failed to benefit me. I can highly recommend it for coughs and colds." For sale by Louisa rug Co.

Engine, Boilers, &c. For Sale.

Having displaced its steam engine and boilers with a gas engine, the Big Sandy Milling Co. offers them for sale. The engine is 64 horse power and the boilers are of proportionate size. Also, a lot of pulleys of different sizes and a number of cog wheels. Also, 10,000 second hand bricks. Here is a good chance to get equipment cheap. Apply to John G. Burns, Manager.

WANTED FOR U. S. ARMY:—

Abled bodied unmarried men between ages of 21 and 35, citizens of United States of good character and temperate habits, who can speak, read and write English. For information apply to Recruiting Officer, Main Street, Louisa, Ky.

LUMBER WANTED.

We are in the market for Oak, Poplar, Ash and Sugar-tree Lumber. The Ohio Valley Furniture Co., Manchester, Ohio.

Proposed Amendments.

Ten proposed amendments for the next Kentucky Legislature to consider were recommended by Thomas D. Osborne, president of the State Conference of Charities and Corrections, at the opening session of that body held in the Charity Organization building, 221 East Walnut st., Louisville.

These proposed enactments provide for the founding of a woman's reformatory; prohibition of marriages among degenerates, the feeble-minded, the imbecile, the insane and the blind; the establishment of the cottage system, as far as possible, in all charitable institutions; that the State Board of Charities shall have supervision of all jails; the changing of the names "almshouses" and "poor houses" to Homes for the Aged; life imprisonment for all confirmed criminals and degenerates; the surgeons for the purpose of making providing of all State prisons with sterile all confirmed criminals, degenerates and rapists; that insurance departments be asked to take up the matter or arrangement of a system of workmen's insurance, the present alleged industrial insurance being too costly; shorter hours of labor so that men, women and children shall not be robbed of the right or leisure for family enjoyment; the appointment by the Governor of one person from each State institution to attend the State Conference of Charities and Corrections and that his actual traveling expense be paid by the State.

MEN PAST SIXTY IN DANGER.

More than half of mankind over sixty years of age suffer from kidney and bladder disorders, usually enlargement of prostate gland. This is both painful and dangerous, and Foley's Kidney Cure should be taken at the first sign of danger, as it corrects irregularities and has cured many old men of this disease. Mr. Rodney Barnett, of Rock Port, Mo., writes: "I suffered with enlarged prostate gland and kidney trouble for years and after taking two bottles of Foley's Kidney Cure, I feel better than I have for twenty years although I am now 91 years old." Sold by Louisa Drug Co.

FOR SALE:—Good 4 - room house, weather-boarded and plastered, good-sized lot. Price \$700. Apply to R. A. Bickell or M. F. Conley.

Buy a lot in Louisa while you can get it cheap and on easy terms. Lots are not plentiful here and those that can be bought will be higher in a short time. Conley and Bickell have a few left. Terms so easy that a laboring man can soon own his own.

FOR SALE.

20-horse power boiler and engine, on wheels, made by Geyser Mfg. Co. Good as new, with new saw-mill. Terms and prices very reasonable. MONT HOLT, Louisa, Ky.

For Sale:—2 spans of mules and two wagons. 1 span will be two years old next spring. The oldest is 6 years of age. D. C. Hughes, R. F. D., Louisa, Ky.

See the grand display of Ladies' and Children's hats, wraps, skirts and a thousand more fall and winter articles now on display at Justice's.

Our Big Clubbing Offer.

By special arrangement with the Southern Agriculturist, the popular semi-monthly farm paper of Nashville, Tenn., we are able to give our readers the advantage of a clubbing offer which we believe is the most liberal ever made by any newspaper in the South.

The Southern Agriculturist, a great semi-monthly farm paper goes twice every month into 50,000 southern homes, and the regular price is 50 cents a year. It is edited by southern men and women to suit southern conditions, and is just what our farmers need. It answers free of charge any question a subscriber may ask, and its advice is given in a plain, practical way which any farmer can understand. All departments of farm life are covered, including delightful home and children pages.

HERE IS OUR SPECIAL OFFER:

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| Big Sandy News |\$1.00 |
| Southern Agriculturist |50 |
| Nashville Weekly American |50 |
| Southern Fruit Grower |50 |
| Total regular price |\$3.00 |

We will send you all five of the above papers a whole year for only \$1.00.

These papers are all southern publications and each is a leader in its particular field. Order this club and you will get a big year's reading at nominal cost.

BIG SANDY NEWS.

PILLS AND PISEN

Is not all we sell—not by a jugful. Besides supplying the needs of the sick people we cater to the wants of well ones who like good

Toilet Soaps, Excellent Perfumes

Face Powders and Skin Foods and Lotions.

COMBS, BRUSHES, TOILET ARTICLES, ETC

Fine Cigars and Tobacco

A. M. HUGHES, Druggist.
Louisa, - Kentucky.

REMOVAL

KENTUCKY NORMAL COLLEGE, (INC.)
Has Removed from Prestonsburg to

Louisa, Kentucky.

Where it is now in session with large enrollment. The only school of its kind in Eastern Kentucky conducted according to the principles of **Independent Normalism** FOURTEEN YEARS OF SUCCESS

Classes in College, Normal, Business, Stenography, Common School, Elocution, Music and Bible Study Departments were in regular operation last session (Winter 1906) Authorized by State of Kentucky to

Grant Diplomas and Confer all Degrees.

Christian but not Sectarian

For Further Information address,

W. M. BYINGTON, Pres.

LOUISA, KY

Farms for Sale.

3 adjoining farms 2 1/2 miles from Webbsville, 1 of 200 acres has 2 good dwellings, storehouse and all out-buildings, plenty of water, orchard, 50 acres in grass, 150 acres cleared, plenty of timber to keep up the place.

Another, that of 105 acres, 50 of it cleared, 30 acres in grass. 2 dwellings, plenty of good springs.

Also, 190 acres, 75 acres cleared, 40 acres in grass, mostly fresh. 20 acres of bottom on all these tracts. Will sell these places all together, or separately.

Also, have a good saw and grist mill on the place which will be sold with it, or separately. Good engine and boiler and good barns.

Terms cash. For further information apply to Big Sandy News, Louisa, Ky.

FARM FOR SALE.

120 acres, 12 acres level, 25 acres cleared. 2 dwelling houses of 3 rooms each, store house of good size. Good well, never goes dry. Good orchard, apples, peaches and pears. 2 miles from railroad, 1/2 mile from school house. Farm also has good coal which is opened. Will sell for cash. Price \$1500. Apply to Big Sandy News

LOOK OUT FOR PAINT!

Be sure that you don't get stuck on it. There are many inferior kinds on the market. Use only a good quality in painting your house. It is economy to do so. We guarantee what we sell to be just as we tell you. See us before buying elsewhere. Snyder Hardware Co., Louisa.

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One Year and a Fac-simile copy of The Declaration of

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Printed on Marble Paper and

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All for \$2.50

This combination gives you your own home paper for local news, and

The Cincinnati Post

the foremost metropolitan daily newspaper in the Middle West for all the news of the world with complete and accurate markets.

The Agricultural Epitomis

is a splendid farm paper and a copy of The Declaration of Independence, is something that should be in every home.

SUBSCRIBE TO-DAY.

Send your orders for rubber stamps to the Big Sandy News. Single line stamps not over three inches in length, 10c. Others in proportion.



To Heat Cold Rooms Quickly

Every house has its cold room. Abnormal weather conditions, inadequate stove or furnace heat often result in some particular part of the house being cold and cheerless. You can make home warm and cheerful with the

PERFECTION Oil Heater
(Equipped with Smokeless Device)

Carry it about from room to room. Turn wick high or low—there's no danger. Smokeless device prevents smoke and smell. Easy to operate as a lamp. All parts easily cleaned. Brass oil font beautifully embossed. Holds 3 quarts of oil and burns 6 hours. Gives intense heat. Two finishes—nickel and japan. Handsome, useful, reliable. Every heater warranted. If not at your dealer's write our nearest agency for descriptive circular.

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