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Four blocks from Union Depot. Two blocks from New Postoffice. Modern and fireproof. Over 100 outside rooms. Rates 75c to \$2.00.  
CHAS. G. HOPKINS, Manager.

**Hotel Rowland**  
One hundred and sixty-five rooms, all modern improvements; free phones on every floor.  
Rates: 75c to \$1.50 per day; \$2.50 to \$5.00 per week.  
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Thousands of trained young people needed. Behnke-Walker Business College, Portland, places students in positions. Enroll any time. Free Catalogue.

**BEAUTIFUL RUGS**  
Are made from your OLD CARPETS. Rag Rugs woven all sizes. Mail orders receive prompt and careful attention. Send for booklet.  
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Bought, Sold, Rented and Rebuilt  
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**We Want Immediately**  
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**N. M. UNGAR CO.,**  
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**Hides, Pelts, Cascara, Wool & Mohair**  
We want all you have. Write for Prices and Shipping Tags.  
**THE H. F. NORTON COMPANY,**  
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Will guarantee you top market prices at all times for your Veal, Hogs, Poultry, Eggs, Butter, Hides, Etc. If you have not shipped to us, try us.  
113 Front, PORTLAND, OR.

**Contrary Treatment.**  
"That girl thinks of nothing all day but a fine dressing up!"  
"What she evidently needs is a good dressing down."—Exchange.

**A Hint.**  
Here is a suggestion for a scenario: During courtship he kissed her burning lips. After they were married those same lips frequently roasted him.—Florida Times-Union.

**SHIP** Veal, Pork, Beef, Poultry, Butter, Eggs and Farm Produce.  
to the Old Reliable Everding house with a record of 45 years of Square Dealings, and be assured of TOP MARKET PRICES.  
**F. M. CRONKHITE**  
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**Do Your Own Plumbing**  
By buying direct from us at wholesale prices and save the plumber's profits. Write us today your needs. We will give you our rock-bottom "direct-to-you" prices, f. o. b. rail or boat. We actually save you from 10 to 25 per cent. All goods guaranteed.  
Northwest headquarters for Leader Water Systems and Fuller & Johnson Engines.  
**STARK-DAVIS CO.**  
212 Third Street. Portland, Oregon

P. N. U. No. 6, 1918.

## USE WOOD FOR FUEL

### Many Farmers Can Relieve Heavy Demand for Freight Cars.

## NEEDED FOR WAR SUPPLIES

### In Many States It is Entirely Practicable to Replace Coal with Wood—Saving Would Amount to 70,000 Cars.

(Prepared by the United States Department of Agriculture.)

Farmers frequently are situated so they can profitably supply fuel from their woodlands and thus relieve, to a considerable extent, the heavy demand for coal.

A maximum price for coal has been fixed by the Government. This does not mean, however, that the railroads will be able to transport all of the coal which the consumers may desire or want. Every freight car is performing a heavy duty; and the fewer the cars that are used for coal the greater will be the number available for carrying other war commodities.

Manufacturers, of course, cannot substitute wood for coal; neither can city people, because this would result in even greater railroad congestion. Nor is it likely that in either the South or the West the use of wood for fuel can be greatly increased. But in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, and Missouri it ought to be entirely practicable in many cases to replace coal with wood for fuel. In these 17 states is a rural population of about 20,000,000, which, it is estimated, uses annually about 18,000,000 tons of coal. If, by substituting wood, one-quarter of the coal burned by farmers and one-tenth of the coal burned in villages could be saved, the total saving would amount to nearly 3,000,000 tons, or between 65,000 and 70,000 carloads.

### Reduce Coal Consumption.

It is where team-hauled wood can be used in place of railroad-hauled coal that the change should be made. Farmers who own woodlands and people in villages who can purchase wood from nearby farms are the ones in the best position to reduce their consumption of coal. It is not expected substitution of wood for coal will be complete or universal; for many purposes coal is much more convenient. But for heating many kinds of buildings wood is the more convenient and cheaper fuel. This is particularly true in the case of churches, halls, summer cottages, and other buildings for which heat is required only occasionally; but is then wanted in large volume at short notice.

Furnaces are built especially for burning wood in 3 or 4 foot lengths. Short lengths, of course, can readily be burned in an ordinary coal furnace or in a box stove, though this is rather wasteful of fuel. Many furnace manufacturers, however, make a special wood grate for use in their furnaces. One advantage in burning wood is that on moderately cool days the furnace can be run at a lower rate than when coal is used, consuming only enough fuel to remove the chill. When wood is used in a round pot furnace, care should be taken to have each piece lie flat.

If a stove grate is too coarse for wood, a sheet iron cover over a good part of the surface will make it suitable, or a few fire bricks can be used. **Relative Heating Value of Wood and Coal.**

In the matter of heating value, one standard cord of well-seasoned hickory, oak, beech, birch, hard maple, ash, elm, locust, or cherry is approximately equal to one ton (2,000 pounds) of

anthracite coal. It takes a cord and a half of soft maple and two cords of cedar, poplar, or basswood, however, to give the same amount of heat.

One cord of mixed wood well seasoned equals in heating value at least one ton (2,000 pounds) of average-grade bituminous coal.

If the consumer can buy coal at \$8 a ton, it would hardly be worth his while to burn first-class wood at \$8 a cord, except in an open fireplace, because coal is a more convenient fuel. If, however, coal becomes so scarce that it cannot be secured in sufficient quantities, the consumer will, in some cases, have to burn wood at \$10 or even \$15 a cord.

### Methods of Making Cordwood.

The most common method of making cordwood is to cut the trees into 4-foot lengths with the ax and split the larger pieces. The pieces are then piled in a standard cord, which is 8 feet long, 4 feet high, and 4 feet wide. The contents are 128 cubic feet, of which about 70 per cent is wood and 30 per cent air. Wood cut 4 feet long can be sold to brickyards, limekilns, metal-working plants, and other industries, but is too large for household use. This method is used chiefly where the tree growth is comparatively small, as in second growth, because such wood splits easily.

Another method, and one better adapted for old growth hardwoods, which are difficult to split, is to saw the tree into logs of convenient lengths, say from 10 to 15 feet. These are "snaked" out to the edge of the woodland and there sawed and split into lengths proper for the stove or furnace. The sawing is usually done by machine, driven either by gasoline or by electricity. The wood is sawed into 16-inch lengths, as is customary with stove material, three runs are theoretically equivalent to one cord. Actually they contain somewhat more wood, since small pieces can be packed more closely than larger ones.

### Wood a Profitable Farm Crop.

Firewood ought to bring a better profit this year than ever before, on account of the higher prices which are likely to prevail. Wood is a much less perishable crop than many which the farmer raises. When properly piled, the better kinds of wood will last from two to three years, though it steadily deteriorates after the first year. To have the best heating value, as well as to reduce the cost of hauling, wood should be thoroughly seasoned, which means air-drying it from six to eight months. When piled so as to get a good circulation of air, however, 50 per cent of the moisture may be removed in three months. Wood cut in October and November, therefore, may be burned the latter part of the winter.

Formerly it was common practice to have wood cut by contract for from \$1 to \$1.50 per cord. With the present high price of labor, however, the cost may exceed \$2 a cord. The great difficulty in securing farm labor is during the harvesting period. If farmers can secure sufficient labor to harvest their crops, they should be able to keep enough men to cut and haul wood later in the season. In fact, the profitable employment of one or two extra men on the farm during the winter may help to solve labor difficulties during the rush season.

The prices which cordwood will likely bring this year offer an opportunity for the farmer to improve his woodland. Improving the woodland means taking out the poorer trees. In the past this has seldom been practicable, for the inferior wood was not marketable. With wood bringing only from \$4 to \$5 a cord, there is very little opportunity to secure a profit of even \$1 a cord. But with the prices indicated for the coming winter, thinning become practicable over a wide range of country in the vicinity of good markets.

### Life of a Fresh Egg.

Three days is about the life of a fresh egg.

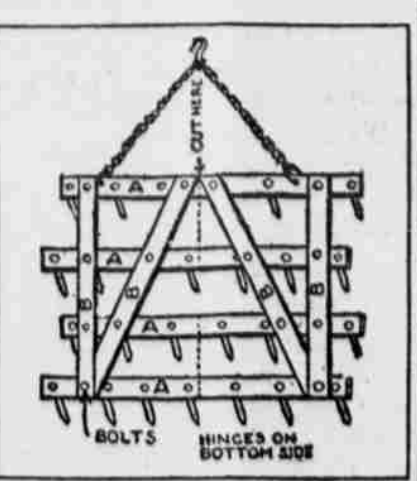
## MAKING A SECTION HARROW

### Any Farmer Handy With Tools Can Put It Together at Home—It Can Be Folded Up.

A writer in Southern Peoriaist in giving a plan for making a section harrow says:

Take four pieces, 24x3 inches, 4 feet long, marked A; three pieces 24x3 inches, 8 feet long, marked B; two pieces 24x3 inches, 4 feet long, marked C; 25 feet of 1/2-inch steel rod for teeth; four strap hinges to fasten on underside. Bore seven holes in each piece, a little smaller than the teeth, equal distance apart. After driving the teeth arrange the swivel bars after the manner of a section harrow, and then fasten the braces as shown. Place hooks or chains equal distance from center for hitch chain. Now cut the harrow through center and fasten the hinges on the under side. If teeth are in the way punch hole in hinge for teeth. Put on the hitch chain, and the harrow is ready for work. Any man handy with tools can make this tool, and it can be

folded up and carried anywhere. All I bought for mine was the hinges; made the teeth from old rake teeth. This harrow placed over a row, and



Cheap Section Harrow.

a little weight added, will do better work than any tool I ever saw. Laid flat with man on it it is equal to an iron harrow.

## Protecting Your Children

### The long, hard school term drains the vitality of growing children and you wonder why they are listless, puny and pale.

### Every school child will show marked improvement in health and growth if given

**SCOTT'S EMULSION**

Its rich, uniform cod liver oil gets into their blood and gives them vim, snap and zest. It creates strength to resist school sicknesses, overcome pinched faces, sallow complexions and dull eyes. High authorities have established again and again that cod liver oil promotes growth and energizes the body and brain.

The imported Norwegian cod liver oil always used in Scott's Emulsion is now refined in our own American laboratories which guarantees it free from impurities. Scott & Bowne, Bloomfield, N. J. 17-15

**VAUGHAN'S PORTABLE DRAG SAW**  
Cuts 20 Cords in 10 Hours  
THE ORIGINAL. THE LIGHTEST. THE STRONGEST. HAS MANY IMITATORS, BUT NO EQUALS. Write for information.  
**Vaughan Motor Works, 475 E. MAIN**  
PORTLAND, OREGON.

## THE LAST EXAMINATION OF WAR'S DRAFT.

Many a man has fallen down because a test of his water showed unmistakably that he had kidney disease.

The kidneys are the scavengers and they work day and night in separating the poisons from the blood. Their signals of distress are easily recognized and include such symptoms as backache, depression, drowsiness, irritability, headaches, dizziness, rheumatic twinges, dropsy, gout.

"The very best way to restore the kidneys to their normal state of health and cure such symptoms," says Dr. Pierce, of Invalids' Hotel, Buffalo, N. Y., "is to drink plenty of water and obtain from your favorite pharmacy a small amount of An-u-ric, double strength, which is dispensed by almost every druggist." You will find An-u-ric more potent than lithia, dissolve uric acid as water does sugar.

Send Dr. Pierce 10c for trial pkg. and ask for advice if there is need.—Adv.

### Made Dad Proud

The old sea captain, in brass buttons, sat smoking comfortably by his fireside, when Jack, his sailor son, burst in upon him.  
"Weather too rough," explained the son, "So we've put in for a day."  
"Too rough!" exclaimed Mr. Tar, with visions of his own days on the briny.  
"Why, sir, I was once sailing round the cape when a storm came on and it blew down the mainmast and the mizenmast was swept away, but we didn't even think of putting in."  
"Well, you see," explained the son, "this storm was so bad it blew the anchors off the captain's buttons, took the paint off the ship's bow and—"  
"Stop!" cried the old man. "You do me credit, Jack—you do me credit!"  
—Milwaukee News.

To Dyspeptics: Others have found a steady course of Garfield Tea a pleasant means of regaining health. Why not you?—Adv.

### Deleted.

"This letter was deleted by the censor. So says the official stamp."  
"Then I guess it's safe to read it. Them letters must pass through queer channels, I s'pose, and the censor ain't going to let us run the risk of ketching something or other."—Louisville Courier-Journal.

### TO BREAK IN NEW SHOES ALWAYS USE

Allen's Foot-Ease, the antiseptic powder. It prevents tightness and blistering. Relieves Corns, Bunions, and Swollen, Aching Feet. Gives rest and comfort. Accept no substitute. Sample FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

### A Welcome Opportunity.

"I enjoyed that state paper very much," remarked Senator Sorghum.  
"In a patriotic spirit?"  
"Yes; and in a personal spirit, too. It's the first time I've had a chance to say 'that's good' while listening to a speech as often as I do in a poker game."—Washington Star.

### Just So.

"Incarcerating offenders is the wrong idea. We ought to try to prevent crime."  
"Just so," said the old-fashioned judge. "And you can prevent lots of crime by putting the right people in jail."—Louisville Courier-Journal.

### One Deduction.

"They say you can tell Halloween fortunes with flour and molasses."  
"Think you can?"  
"Well, it seems safe to hazard this much of a guess. Anybody who has flour and molasses to spare must be rich."—Louisville Courier-Journal.

For Constipation, Biliousness, Liver and Kidney troubles, take Garfield Tea.—Adv.

### The Difference.

He—Do you know, I generally dance on an impulse.  
She—You didn't last night; you danced on my feet.—Baltimore American.

### To Repel Boarders.

The government has commended prunes; but as it is taking only the large and middle sized ones, boarding house stocks are safe.—New York Sun.

## Sure! High Heels Cause Corns But Who Cares Now

You reckless men and women who are pestered with corns and who have at least once a week invited an awful death from lockjaw or blood poison are now told by a Cincinnati authority to use a drug called freezone, which the moment a few drops are applied to any corn or callous the soreness is relieved and soon the entire corn or callous, root and all, lifts off with the fingers.

Freezone dries the moment it is applied, and simply shrivels the corn or callous without inflaming or even irritating the surrounding tissue or skin. A small bottle of freezone will cost very little at any of the drug stores, but will positively rid one's feet of every hard or soft corn or hardened callous. If your druggist hasn't any freezone he can get it at any wholesale drug house for you.—Adv.

### Finish of the Trip.

"That actor is very pompous. He says he has 'arrived.'"

"He has," replied the manager. "This is where he gets off."—Washington Star.

### Why do people seem to think that blondes are frivolous?"

"Don't know, unless they conclude it is natural for them to be light-headed."—Baltimore American.

### GARGET or CAKED UDDER in COWS

can be overcome by feeding cow tonic to purify the blood and applying Dr. David Roberts' BADGER BALM, Price, 50c. A soothing and healing ointment. Excellent for sore teats and inflamed udders. Read the Practical Home Veterinary. Send for free booklet on Abortion in Cows. If no dealer in your town write Dr. David Roberts' Vet. Co., 100 Grand Ave., Waukegan, Wis.

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Is the result of using Petaluma Incubators and Brooders. That's the kind you want. Write for our big Free Catalog No. 60.

PETALUMA INCUBATOR CO. Petaluma, California

### WEEKS' BREAK-UP-A-A-COLD TABLETS

25c  
The quickest way to break up a cold. Get the genuine at any drug store.

### Why Bald So Young

Rub Dandruff and Itching with Cuticura Ointment Shampoo with Cuticura Soap. Sold everywhere. Send 25c for Ointment 25c-50c.

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Sore Eyes, Eyes Inflamed by Sun, Dust and Wind quickly relieved by Murine. Try it in your Eyes and in Baby's Eyes.

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Murine Eye Remedy At Your Druggist's or by mail, 50c per bottle. Murine Eye Salve, in Tubes 25c. For Book of the Eye—Free. Ask Murine Eye Remedy Co., Chicago

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