

LAST DAY TODAY

OF THE REXALL WEEK

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DOES IT PAY TO SHRED STOVER

By C. J. Fillweber, of I H C Service Bureau

Shredded stover increases its feeding value. Prof. Henry of the University of Wisconsin has conducted experiments which show that shredded stover is about 24 per cent more valuable when fed to milk cows than it is in the uncut form. It is also estimated that about 25 per cent of the feeding value of corn stalks is lost by allowing the shocks to stand in the field two months. Allowing corn to stand in the field not only decreases its value, but it increases the difficulties of the cattle.

Just remember that every time you carry an armful of stalks into the barn 20 per cent of the digestible nutrients contained in the feed go for the production of physical energy necessary for doing external work, 43 per cent is used for keeping up the body, and 27 per cent is returned in the milk pail.

If you handle your corn crop properly you will find 37 per cent of the total nutrient in the stalks, and 63 per cent in the ear, but if you allow the shocks to stand in the field to be beaten by the winter's storms, you can expect to lose anywhere from 25 per cent to 50 per cent of the total feeding value of the stalks. On the average acre from two to three tons of stover are grown. In the stalks produced on an acre of average corn, there are approximately 85 pounds of protein, 1,500 pounds of carbohydrates, and 22 pounds of ether extract. A steer weighing 1,000 pounds requires one-half of a pound of protein, 6 pounds of carbohydrates, and about one-tenth of a pound of ether extract daily. Figured to an exactness, there are carbohydrates enough in an acre of corn to last a steer ten months, ether extract enough to keep him in proper condition for eight months, and pro-

tein in sufficient quantity to sustain him for six months.

Probably the only argument against shredding is the cost of preparation. When figured in dollars and cents, the cost of husking and shredding with a machine is practically the same as for hand work. Figures compiled by men who feed whole stalks, by users of shredded stover, and by the owners of machines give the following facts:

Cost of husking 25 acres of shocked corn, and getting the fodder in a stack. The quality of corn used for the basis of the following tables is slightly above the average, forty bushels to the acre being taken as a standard. The cost of labor is figured at current rates.

Cost of husking 1,000 bushels by hand at 4 cents a bushel. \$40 00
Board for man during husking, averaging 50 bushels per day, for 21 days at \$4.50 per week. 13 50
Cost of handling husked corn and fodder from the field, men and team, 5 days at \$2.00 per day each for the men, and \$1.50 for the team. 27 50
Board for 2 men for 5 days, at 75 cents per day. 7 50
Board for team for 5 days at 50 cents per day. 2 50

Total cost of setting corn in crib and fodder in stack. \$91 00

Cost of husking and shredding 25 acres of corn, figuring the yield at 40 bushels per acre, and an average day's work at 800 bushels. A ten-roll husker and shredder working under ideal conditions has husked 1,000 bushels of corn in a day, but to be conservative we are reducing these figures considerably. We are also figuring the cost of doing the husking and shredding strictly on a bushel basis. In many localities owners of huskers and shredders prefer to work by the day rather than by the bushel.

For hire of husker and shred-

der, including the services of engine, 1,000 bushels at 4 cents. \$40 00
Three men pitching in the field, 1 1/2 days at \$2.00 each per day. 7 50
Six men to haul stover from the field, 1 1/2 days at \$2.00 each per day. 15 00
Six teams and wagons for drawing stover to the machine, 1 1/2 days at \$1.50 per day per team. 11 25
Fuel. 5 60
One man for shovelling corn into crib, 1 1/2 days at \$2.00 per day. 2 50
Board for fourteen men, 1 1/2 days at 75 cents per day. 13 15
Feed required for six teams, 1 1/2 days at 50 cents per team. 3 75

Total. \$98.75

\$98.75 minus \$91.00 equals \$7.75 or cost of shredded stover. Since two tons of stover are produced on an acre, and twenty-five acres are shredded, fifty tons of shredded stover are secured. As \$7.75 was the cost of the shredded stover, the expense of doing the work with a machine when distributed amounts to approximately 16 cents per ton more than the cost of husking by hand and of stacking the corn stalks. Besides less space is required for storing the shredded stover.

There is practically no loss or waste of leaves or husks, and the stalks are in an excellent condition for bedding. They not only act as an absorbent, a pound of absorbent stover absorbing 2.5 pound of liquid, but the vegetable matter when returned to the soil forms manure. The fertilizing value of the stalks harvested on an acre are worth about \$7.00, or about \$175.00 worth of fertilizer can be returned to the field.

PICKS WALKING SUCCESSOR.

Goulding, Champion, Thinks Gylke Will Surpass His Marks.
George Goulding, the champion heel and toe walker of the world, now living in Toronto, is of the opinion that

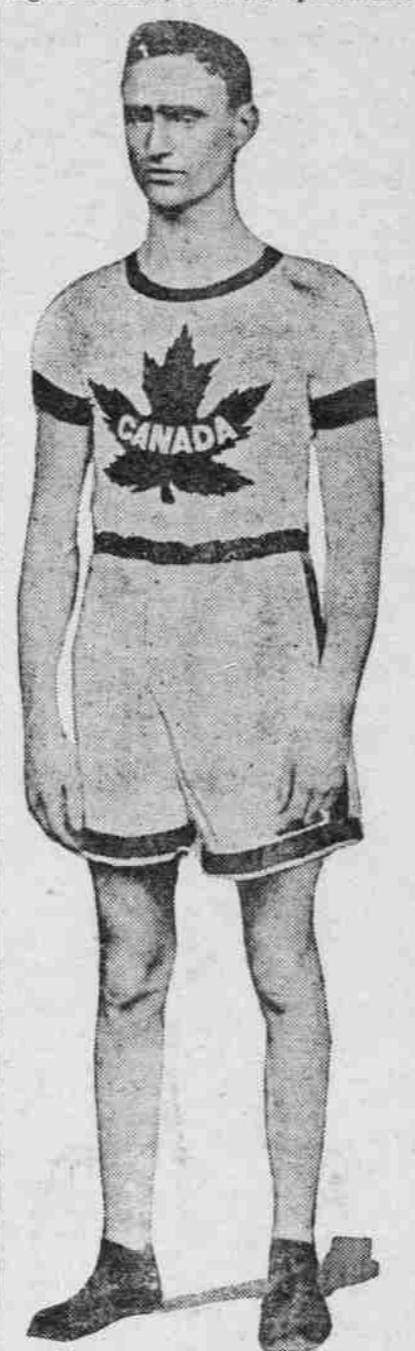


Photo by American Press Association.
GEORGE GOULDING, WORLD'S CHAMPION WALKER.

there is a walker in Denmark who sooner or later will succeed him as champion.

His name is V. E. Gylke. He competed in the 10,000 meter walk at the Stockholm Olympic games, making a good showing. The Dane is a natural walker, with a smooth and finished style.

Goulding announced a short time ago that he intended to quit. He is considered the greatest walker that ever put on a shoe and is the holder of many world's records.

Plan New Race Track in Kansas.
Kansas City (Mo.) horsemen plan a new race track and clubhouse.

SHALL I PLOW OR DISK?

George Duncan Tilley, Alberta, writes as follows "Referring to your ad. in Calgary Herald about giving advice on crops, etc., I should like to have your suggestions on some points. On prairie soil broken for the first time in the fall of 1911, I have harvested forty-nine acres of wheat and forty acres of corn. The land was plowed five inches deep. In preparing the land for next year's crop, do you think that disking the stubble would be sufficient, or should the land be plowed? What crops should follow wheat and oats?"

As a general practice, the land should be plowed once a year unless there are unusual climatic conditions. If there had been practically no rain and the ground was very loose, you might get satisfactory results by only disking. However, it has been the mistake of a great many in the northwestern territory to think that they could raise satisfactory crops without doing the amount of work on the land that they should do. The result has been that in many places they have worn the land out much more rapidly than was necessary. It is advisable not to begin the practice of only disking. Better try plowing again.

You will perhaps not need to plow the ground any deeper than it was plowed last year, but ordinarily the result will warrant your doing this by leaving a part of your ground and only disking it, and if you do we would be very pleased to know the result.

One of the drawbacks to Canadian farming is a lack of system of crop rotation. By all means plan on a rotation of crops, which will include wheat, oats, and barley, and some leguminous crop. This may be clover, alfalfa, Canadian field peas, or some other similar crop that will do well in

your specific locality, if you can grow corn, it would be well to include this in your rotation.

We have mailed to you under separate cover a copy of our booklet "For Better Crops" and assure you that you will not be able to spend your evenings to better advantage than in reading this book carefully. We would call your attention especially to the first article by Professor Hopkins, who is the most noted authority on soil fertilization.

The Color of Flames.

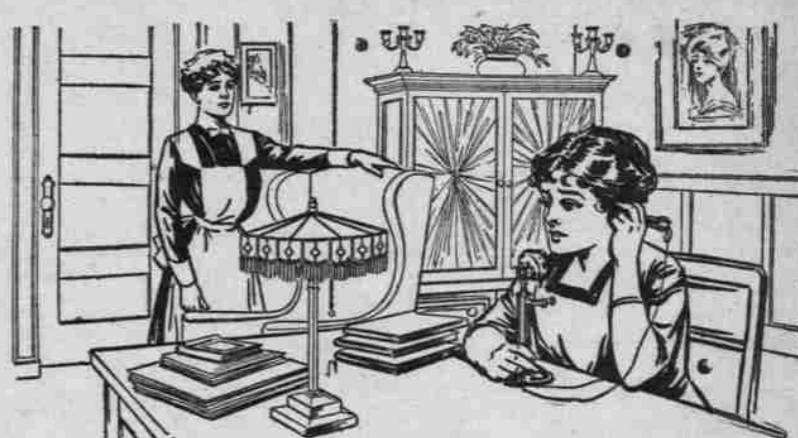
You have often noticed the many tinted bars and bands that rise in the shape of "forked tongues of flames" from wood burning in the grate. It is ten to one, however, that you never have thought to figure on the cause of the variegated hues presented by flames. To bring the matter quickly to the point, we will say that the many colors are the result of combustion among the different elements of the wood. The light blue is from the hydrogen and the white from the carbon; the violet is from the manganese, the red from the magnesium and the yellow from the soda, which are constituent parts of the wood.

How It Happens.

No woman ever grows stout. Her dresses become too small for her.—Lippincott's Magazine.

IMPORTANCE OF PLAY.

To the decree that mankind shall work for its daily bread is added the decree that mankind shall play for the salvation of both its body and soul—a decree so unwrought in the very constitution of man that there is no greater danger to mankind, especially in its state of childhood, than the prevention or misdirection of play.—Richard Watson Gilder.



Please Come at Once!

OH, Doctor, the baby has had another of those attacks, and I'm frightened half to death. What can I do? Please come at once; won't you, Doctor?

When the family physician gets a telephone message from a mother he tells her what to do and gets to the house as soon as possible.

The Bell Telephone saves the precious minutes which often means life or death to the sufferer.



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Published Tomorrow in

THE MORNING ENTERPRISE

ELECTRIC!

It answers the puzzling question, of "What will I get her?"

We have a display of Electric conveniences that will gladden the heart of any woman.

Only those who have some labor saving electric utensils can appreciate their work; below we give just a suggestive list: Electric Chafing Dish, Electric Discs, Electric Toasters, Electric Irons, Electric Percolator, Electric Table Lamps.

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