

# WRIGLEYS

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affords benefit as well as pleasure. Healthful exercise for the teeth and a spur to digestion. A long-lasting refreshment, soothing to nerves and stomach.

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"What's your opinion of civilization?" "I think it's a good idea. Some body ought to start it."

Positive, but; comparative, better; superlative, better, not.

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"Concrete Around the Home" tells in everyday language how to use concrete for building drives, walks, steps, porches, and other permanent improvements which every home needs. Complete instructions make it easy to estimate the materials and to mix, place, and finish the concrete for these improvements.

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# DAIRY DAIRY

## GREEN FEEDS FOR DAIRY-COW RATION

Green rye and green cowpeas may be fed to dairy cows immediately after milking without unfavorably affecting either the flavor or odor of the milk. This fact was developed by a series of feeding experiments carried on by the United States Department of Agriculture to determine whether feeding green rye or green cowpeas affects the flavor and odor of milk, and to ascertain how these feeds may be fed and the milk handled so as to minimize any objectionable effects on the quality of the product.

The investigation relative to the feeding of green rye was conducted with ten Holstein and ten Jersey cows representative of their respective breeds, and giving milk relatively free from abnormal flavors and odors. The average weight of the Jersey cows was 976 pounds, and that of the Holsteins 1,271 pounds. The stage of lactation varied from fresh cows to those nearing the end of their lactation period.

The cutting of the rye used in the experiments was begun when it was about 15 inches in height, before it had headed. In addition to the green rye, the cows were fed, in proportion to their milk production, varying quantities of a grain mixture containing two pounds each of hominy feed, bran, and oats, and one pound each of cottonseed meal and linseed meal. In addition to the grain mixture, the cows were fed as much alfalfa hay as they would readily consume, the average quantity of hay consumed daily per cow being 12.3 pounds.

The cows were separated into groups of five. One group received only the hay and grain ration and were known as checks. The other three groups received, respectively, in addition to the hay and grain ration, the following quantities of green rye:

15 pounds one hour before milking.  
30 pounds one hour before milking.  
30 pounds immediately after milking.

This plan of feeding was followed for four consecutive days, but on the fifth day the rye was omitted from the ration. The cows were then interchanged in order to equalize any abnormal results caused by the milk of an individual animal, and the feeding of green rye was resumed.

Samples were taken from the milk of each cow at the time of milking, and cooled, but not aerated. The samples were examined for flavor and odor by experienced judges, who had no knowledge as to which cow produced a particular sample.

These exhaustive experiments disclosed the fact that as much as 30 pounds of green rye may be fed to dairy cows immediately after milking without producing noticeable effect on either the flavor or odor of the milk.

In similar feeding experiments with green cowpeas, 30 pounds of this feed was consumed by dairy cows immediately after milking without producing any pronounced objectionable flavor or odor in the milk. Green cowpeas tend to affect more unfavorably the flavor and odor of the milk than does green rye.

## Cow's Individuality

### Limits Amount of Feed

Wheat has about the same value as corn as a dairy feed, while oats has a value of 10 per cent less than corn pound for pound. The amount of feed which should be fed a cow depends in the first place upon individuality. Size of the animal, amount of milk produced and butter-fat content of the milk also bear important relationships to the amount of feed necessary. A grain mixture should be fed in the proportion of one pound to each three pounds of milk produced daily by the cow. If the cow produces more than five gallons of milk a day, however, feed at the rate of one pound of grain mixture to each four pounds of milk. Under most circumstances feed all the roughage she will eat up clean. Only if she tends to become overfat should the quantity of roughage be restricted. Feed all she will respond to in milk production. When she begins to put on flesh cut down the grain.

## Bloody Milk Is Due to Ruptured Blood Vessel

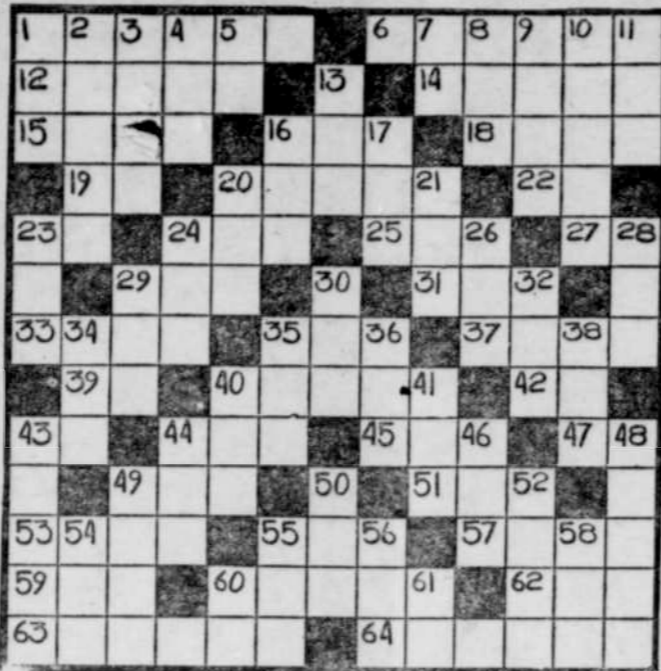
When a cow gives bloody milk, it is due to a rupture of a small blood vessel in the udder. When a cow is fresh, it usually is due to the swelling in the udder, but when it occurs later in the lactation it usually is due to an injury to the udder. When it is due to an inflammation, the trouble is over as soon as the inflammation leaves the udder, but when it is caused by injury, the cause must first be removed before a cure can be effected.

When the blood comes away in lumps, there is an infection in the quarter and the quarter will usually be lost.

## When Bull Is Impotent

There is no particular age at which a bull becomes impotent. This factor is governed much by the amount of service he is called upon to render and also upon the way he is fed. Pampered, fat animals sometimes become impotent earlier than seven years and some remain serviceable much later. Not too fat, plenty of exercise, and regulation of the service to one and not permitted too many cows at one time, many bulls will last much longer than this.

## CROSS-WORD PUZZLE



(Copyright, 1925.)

### Horizontal.

- 1—Made of wood
- 6—Cotton cloth printed with flowers and often glazed
- 12—Pointed at a goal
- 14—A top
- 15—A thick slice of anything
- 16—The assam silkworm
- 18—A native of one of the Slavic states
- 19—A prefix signifying agency
- 20—To attire
- 22—Township (abbr.)
- 23—A European fresh water fish
- 24—A popular dessert food
- 25—In the midst of
- 27—Therefore
- 31—The head (slang)
- 33—A burglar (slang)
- 35—A head covering
- 37—Not had
- 39—Another form of "I"
- 40—To bet
- 42—Athletic association (abbr.)
- 43—White
- 44—A name descendant
- 45—A baseball implement
- 47—France (abbr.)
- 49—A cooking vessel
- 51—A kind of bread
- 53—To proceed methodically
- 55—To entangle
- 57—Became alive
- 59—A snake-like fish
- 60—A courtyard in a Spanish house
- 62—An habitual drunkard
- 63—Was in need of
- 64—Candles

### Vertical.

- 1—Part of the verb "to be"
- 2—Lubricated
- 3—First name of a Persian poet
- 4—A debutante (slang)
- 5—A man's name shortened
- 7—High school (abbr.)
- 8—Belonging to it
- 9—Nest cattle (Scotch)
- 10—Eunares
- 11—A famous race horse
- 13—Part of the verb "to be"
- 16—Before

- 17—A distinctive theory
- 20—Performed
- 21—Transgression
- 23—A clinging vine
- 24—A dirty animal
- 26—A domestic animal
- 28—Aged
- 29—To grow old
- 30—Same as 24 vertical
- 32—A round scarf of fur or feathers
- 34—Printer's measure
- 35—Pallid
- 36—A jewel
- 38—A smapleton
- 40—Triumphed
- 41—Part of an umbrella
- 43—Quivering
- 44—Sorrowful
- 46—A large container for water
- 48—Talks extravagantly
- 49—One extremity of the sphere
- 50—A head covering
- 52—Part of the face
- 54—Opposed to "weather" (naut.)
- 55—Crazy
- 56—It is (contraction)
- 58—To decay
- 60—A Greek letter
- 61—Owe (reformed spelling)

The solution will appear in next issue.

### Solution of Last Week's Puzzle.



## HOW TO SOLVE A CROSS-WORD PUZZLE

When the correct letters are placed in the white spaces this puzzle will spell words both vertically and horizontally. The first letter in each word is indicated by a number, which refers to the definition listed below the puzzle. Thus No. 1 under the column headed "horizontal" defines a word which will fill the white spaces up to the first black square to the right, and a number under "vertical" defines a word which will fill the white squares to the next black one below. No letters go in the black spaces. All words used are dictionary words, except proper names, abbreviations, slang, initials, technical terms and obsolete forms are indicated in the definitions.

## QUARRELS

By THOMAS ARKLE CLARK

PAYTON and his wife had quarreled a little that morning, and all the day they had been unhappy as a consequence. They had been married a good long time, and had come to depend upon each other more than is ordinarily true of married people. They loved each other very dearly, and still told each other so, though, as I have said, they had been married for a long time.

It was a foolish little quarrel that they had had. She had criticized him at the breakfast table for the way in which he was using his napkin or some such carelessness, and he, more sensitive than most men, had answered back rather sharply, and so they had quarreled. He might have turned it off with a laugh, as he often did, or she might have smiled back at his quick retort and kissed him after breakfast as was her custom, but instead her eyes filled with tears, and she left the table hastily with him feeling the aggrieved rather than the aggressor. All day they had gone about unhappy, each one too proud or too much hurt to patch up the foolish quarrel.

The years were going for Payton and his wife. They knew very well that the time they had been together was longer than the time they could hope to be, and they regretted the swiftness of the passing years. They knew that the time would come when one would go and there would be only one left, and they knew how dreary it would all be, how, as one or the other sat alone, he would think back to these foolish days and regret each moment they had not spent in happiness together. And yet they had quarreled, quarreled over a trifling thing that did not matter either way, and they had lost out of their life together one day that might have been full of happy thoughts, of sweet associations, and left to both of them pleasant memories.

They saw how foolish it is for those who love each other to take offense even at hasty, unkind words, for usually no unkindness is really meant, and those who love each other will never have too many days together and should have on these, if possible, nothing to regret.

Quarrels there must be perhaps, but they should be between those who do not love each other, who do not understand each other, whose paths cross

so seldom that the quarrel interrupts no close association, breaks no friendship, leaves no haunting regrets. Friends cannot afford to quarrel—life is too short, the period of friendship and love is all too brief to permit even a day or an hour to interrupt its even way. It is better to ignore the hasty word, to adjust the misunderstanding at once, and to be happy while the days last. Quarrels only make us unhappy.

(©, 1925, Western Newspaper Union.)

## OLD BOOKS HAVE NOT LOST CHARM

Although attics are quite passe in these days of space conservation, and such antiques as old sofas are only found in second-hand stores, the literature that flourished in the same period, especially that of interest to children, hasn't followed the same path of oblivion, says the Wisconsin Library Bulletin.

When dad and mother were boy and girl, and even when older brother and sister were young, several apples, a copy of "Tom Sawyer" or "Little Women," the old sofa in the attic and the rain pattering on the roof were all that was necessary for a pleasant afternoon. Or in summer, when dandelions needed to be picked, or the dishes washed, the loft in the barn, with "Twenty Thousand Leagues Under the Sea" or "Nelly's Silver Mine," was a mighty attractive place. Youngsters haven't changed much today, for the books that were dear to the old folks in their childhood are just as much read now.

## Historic African Region

The Gold Coast region, long famed in history and fiction, is a portion of Guinea, on the west coast of Africa. Here gold was found, and the country became the mecca of the adventurous and seekers after fortune. The Gold coast is bounded on the east by the Slave coast and on the west by the Ivory coast, and has a coast line of about 350 miles.—Kansas City Star.

## Agricultural Pests

The ten most injurious insect pests in the United States, as selected by the votes of eleven government entomologists, are the boll weevil, Hessian fly, codling moth, corn earworm, mosquitoes, chinch bug, Colorado potato beetle, grasshoppers, the house fly and the San Jose scale.



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## What Is a Corn Club?

The method employed to help the farmer raise better corn was the subject for discussion in the geography class. In answer to the question, "What is a corn club?" one of the girls replied: "It's the cob with no corn on it."

## "DIAMOND DYE" ANY GARMENT, DRAPERY

### Just Dip to Tint or Boil to Dye



Each 15-cent package contains directions so simple any woman can tint soft, delicate shades or dye rich, permanent colors in lingerie, silks, ribbons, skirts, waists, dresses, coats, stockings, sweaters, draperies, coverings, hangings—everything!

Buy Diamond Dyes—no other kind—and tell your druggist whether the material you wish to color is wool or silk, or whether it is linen, cotton or mixed goods.

## Radio for South Seas

Receiving sets are to be distributed by a British missionary to natives in the South Sea Islands. Coconut palms, 80 to 90 feet high, are to be used for aerial masts.

Did you ever have a pair of soles outlast the uppers? If not, you have never worn USKIDE Soles. People write that they can't wear USKIDE out. It is the Wonder Sole for Wear! Made by the world's largest rubber manufacturer, the United States Rubber Company. Comfortable, healthful, waterproof, good-looking. Tell your repairman to put USKIDE Soles on your shoes. Buy new shoes with USKIDE Soles. USKIDE will cut your shoe bills down. Get genuine USKIDE. The name is on the sole.—Adv.

## Form-Fitting

Dorn—I'll bet the mosquitoes nearly ruined your fishing trip.  
Dumbbell—Oh, no; when we got in that pup tent of ours, there wasn't any room for mosquitoes.—Life.

Shave With Cuticura Soap  
And double your razor efficiency as well as promote skin purity, skin comfort and skin health. No mug, no slimy soap, no germs, no waste, no irritation even when shaved twice daily. One soap for all uses—shaving, bathing and shampooing.—Advertisement.

## Verification

Officer—Say! You can't swim there!  
Bather—I know I can't. I'm drowning!

## Mule "Swap" Brought

### Fortune to Lucky Man

Eleven years ago Joseph Beach of Caldwell, N. J., drove his bulky mule, Maud, down the streets of the village, and met John Gosman. They stopped to talk. Then Gosman noticed the idling Maud.

"How'll you swap, Joe?" asked Gosman.

"Can't say, John," replied Beach.

"What you got?"

"Got a piece of land down Florida way; Palm Beach or West Palm Beach, some such a place," Gosman answered.

"Worth \$75, you reckon?" Beach asked.

"Guess so, let's swap," Gosman replied.

And they signed the papers.

Beach is departing for West Palm Beach soon to look at the property, for which he has been offered a small fortune.

Maud is dead.—New York Herald-Tribune.

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## Bass Doubly Hooked

While fishing near Piqua, Ohio, Walley Gensinger and Miss Belle O'Brien both hooked the same bass. It is believed that the two minnow baits were within a few inches of each other and the fish got them both at one strike.

**CHILDREN CRY FOR**

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