In the Poultry World

OIL ON EGG SHELLS.

Some time ago a "chicken crank" was laughed at because he asserted that the egg received a secretion from the hen's body in process of incubation which assisted the chick to grow and hatch and that he had secured some of this secretion by means of which he was getting equally as good results in the incubator as under hens. Eight years later the Oregon Experiment Station says in Bulletin No. 100: "It is quite evident that the eggs on which a hen has been sitting have a small, oily deposit on their surface, and since eggs from incubator at same stage of incubation show only a small fraction of this amount of oil it is plain that the oily matter is not deposited on the exterior surface of the shell through evaporation in process of incubation, but is a natural secretion from the hen. What the function of this secretion is, or whether it has any particular function other than to possibly check evaporation, is not yet determined, but some tests are now under way in his connection which will be reported later."

At this station Prof. Bradley experimented as follows to discover the amount of oil on the eggs: All loose material was brushed off the egg shell, which was then held in tongs and the shell washed with a jet of ether, the washings being caught in a weighed watch glass. The ether was allowed to evaporate, the residue dried and weighed. From 12 fresh eggs, three milligrams of oil were secured; the same amount was secured from 12 china eggs two weeks under the hen, while from 12 hen eggs two weeks under the hen 28 milligrams of oil were secured, and but 4.6 milligrams from 12 hen eggs two weeks in incubator. Whether or not this oil has a function to perform in the process of incubation is an interesting question. It is to be hoped the chicken crank who bottles this secretion has the satisfaction of reading this bulletin, which in a way confirms his assertion.—Wallace's Farmer.

It may be that the above will interest some of the cranks down this way. We are all quite sure there is yet to be discovered the reason why fully developed chickens die just before the hatch. We are all experimenting and thinking, trying to discover the cause, but so far none of us has made much progress in our investigations. If the above mentioned crank is on the right trail and tries the game, we will be happy.

DOES A HEN "SET" OR "SIT"?

An old subject of discussion has been revived and there are signs, in the testimony of certain editors of Florida, of a serious rebellion against the lexicographers. The question refers to the proper verb to use in describing the act of a hen when she obeys her maternal instinct. It is as important as the religious schism that rent the empire of Lilliput when the Bigendians persisted in making it a matter of conscience to break their eggs at the larger end in defiance of the solemn proclamation of the law that all citizens of that land of little men should break them at the other end under penalty of severe punishment.

The dictionary is the court of last resort in all disputes as to words. Of course, dictionaries do not always agree. But we find no lack of concord in this matter. Taking Webster's Unabridged as the first authority to be quoted we find the following defination so far as applies in this case:

Sit 7. To cover and warm eggs for hatching; as a fowl; to brood; to incubate.

This is enforced by a quotation from Jeremiah xvii: 11, showing that such was the use of the word when the King James version of the Bible was brought forth. A similar defination of the word "sit" is given in the Century Dictionary. Under the word "set" there is no definition that applies to the former in which election brings forth no young, in either dictionary, but the following pertinent points in Webster's at the end of nearly a page of definations of the verb "to set":

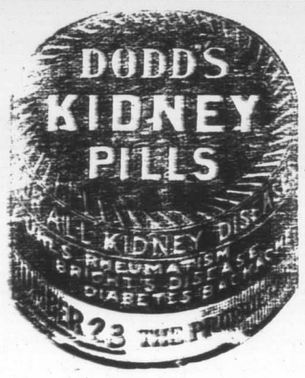
"The use of the verb 'set' for 'sit' in such expressions as, the hen is setting on thirteen eggs, a setting hen, etc., although colloquially common, sometimes tolerated in serious writing, is not to be approved."

Thus we see that Webster frowns on the word so often used colloquially in reference to the second stage in the female fowl's reproduction of her kind. It follows as a matter of course that the word "setting" as applied to a number of eggs is not to be found in any dictionary. Say "a sitting of eggs" and you will be violating the purity of the English language. Say "setting" and you will merely "colloquially commit," which Heaven forfend, but touching on and appertaining to this momentous question, the ten interest may be condensed in the following:

Mother, which is the correct way to express yourself in speaking of a hen? To say she is sitting or setting?"

"My son that does not interest me at all. What I want to know when I hear a hen cackling whether she is lying or lying?"

The man who discovers the Lemhotter-than-thou attitude seems to forget that the Sunny Jims can do the same thing.



THE CENTRE OF THE EARTH.

How the Zuni Indians Have Marked the Spot by a Crude Shrine.

Why all this fuss and controversy as to whether it was Cook or Peary, or either of them, or both, that discovered the north pole? Surely the centre of the earth is as important as either extremity; and the Zuni Indians have the centre safely corralled and appropriately marked upon their reservation. They feel quite sure of it, and that ought to be sufficient.

In the Zuni cosmogony, the earth is conceived of as flat, and shaped like a pancake. Being a chosen people of the gods, they were commanded early in their tribal career to go to the exact centre of the world, and there build their homes, and one of the most interesting legends of the people relates the story of their wanderings in search of the middle place, and tells how they knew it when they reached it. It is about 200 yards south of their village in western New Mexico, thirty-five miles south of Gallup, on the Santa Fe route. It is marked by a crude shrine, built like a bake oven, out of flat stones. Two large removable flagstones close the entrance, which faces the rising sun.

On the top are a number of concretionary formations, known to the Indians as thunder stones. In the interior are large numbers of feather tufted prayer sticks, and several earthenware vessels filled with sacred meal. Numerous ceremonial dances, in the nature of rainmaking rites, are performed around this holy place.—From the Kansas City Star.

Bear Plentiful in Georgia Swamp.

"There are still great numbers of bears about my place in the swamp," said Monroe Phillips yesterday, whose plantation is down the river, only a few miles below Macon.

For years Mr. Phillips has been trying to get rid of the bears tha tinfest his place. He has organized bands of hunters and at one time made an offer to the Secretary of War to send a troop there for the purpose, but all to no purpose. It is estimated that there are more than 200 bears in the locality and they are constantly carrying off pigs and raiding the cornfields. Many of them have been caught in traps, but they now pay no attention to traps, getting al lthey can eat without risking their lives for the sake of bait.—From the Macon Telegraph.

Maypole Soap

DYES SO EASILY With Maypole Soap there is no troublesome mess in home dyeing. Dyes cotton, wool, silk or mixtures. 24 colors will give any shade. Colors 10c. Black 15c. At your dealer's or postpaid with booklet "How to Dye" from

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F. I. BENEDICT & CO. Montreal

THE STARCHED COLLAR.

(Rochester Post Express.)

A writer in the "British Medical Journal" declares that the starched collar and the band which fashion prescribes do not use a menace to health. He has cured himself and a number of others, persons of middle age, of turning red in the face, congestion and consumption to mental weakness simply by getting rid of the band. Help medicine. He declares that he can do more for full health in a month than medicine would be able to accomplish in a year. Remove the restriction of the neck band and the blood will flow to the brain in normal quantity and quality, and the wearer will be as free from nervous troubles as the growing school girl.

Kind Lady—And what do you want to do when you grow up?
Little Girl—I wanta vote.

TURBINE'S LONG JOURNEY.

Some time ago at a gas manufactory at Ivry, near Paris, a turbine propelled by jets of steam was set running and driven 3,000 hours, or 150 days, without a stop. Lubrication was supplied by an automatic oiler. As the speed of the circumference of the rotating disc was about six miles a minute, a point on that circumference travelled during 150 days almost five and a half times the distance from the earth to the sun.

A TRUTHFUL STORY-TELLER.

[illegible]

FATAL FLATTERY.

(Judge.)

Mr. Crusher—Where did you get [illegible]

[illegible]

WHERE VEGETARIANISM FAILS.

(New York Sun.)

Statement—Which—Since meat is so high why not use vegetables?

Mrs. Gouger—They don't do a block one do good.

How poor are they that have not patience.—Shakespeare.

Take A Handful of "St. Lawrence" Sugar Out To the Store Door

—out where the light can fall on it—and see the brilliant, diamond-like sparkle the pure white color, of every grain.

That's the way to test any sugar — that's the way we hope you will test

St. Lawrence Sugar

Compare it with any other sugar—compare its pure, white sparkle—its even grain—its matchless sweetness.

Better still, get a 20-pound or 100-pound bag at your grocer's and test "St. Lawrence Sugar" in your home.

THE ST. LAWRENCE SUGAR REFINING CO., LIMITED, MONTREAL.

667

Shipping Fever

Influenza, pink eye, epizootic, distemper and all mucous and throat diseases cured, and all others, no matter how "acquired," kept from having any of these diseases with "SPOHN'S LIQUID DISTEMPER CURE." Three to six doses often cures a case. One 50-cent bottle guaranteed to do so. Best thing for broken sweats. Acts on the blood. 50c and $1.00 bottle. $6 and $10 a dozen bottles. Druggists and harness shops. Distributors—ALL WHOLESALE DRUGGISTS.

SPOHN MEDICAL CO., Chemists, Goshen, Indiana, U.S.A.

LADY DUFF GORDON.

(London Daily News)

"Lady Duff Gordon stands in front of a great model of the Titanic. She is a fair creation, faintly chiselled, graceful in movement, arresting in speech. Her voice is tuned to the street's note, her little face is pale and plaintive and her whole being is braced to the edge of vigorous over her successes. The white nightgrette of Friday last, erect and challenging, has given place to the sweep of a large black picture hat, shading her eyes to the left and drooping with a hint of tears over the bright shoulder. A collar of exquisite lace ripples down from the slender neck to the waist, soft, white and vivid against the black dress."

Minard's Liniment used by Physicians

THOSE REMARKABLE MISSES.

Here are the names of the Misses who were described by their characteristics:

The Miss whose company nobody wants is misfortune.

The Miss who is always making blunders is mistake.

The Miss who is of a jealous temper are negative and mistrust.

The Miss who questions a great many is misunderstanding.

The Miss who is a bad dressmaker is misfit.

The Miss who is disobedient and disorderly is mischief.

The Misses who can never find a thing when they want it are missing and mislayer.

The Miss that plays mere tricks that a mischief is mischief.

The Misses that are great story tellers are misinform, misrepresent and misreport.

The Miss that is awkward and rude is misbehave.

The two Misses that travellers should avoid are missile and missaid.

The Miss that is very extravagant is misspend.

The Miss that will run any man is mismanagement.

The Miss that should never attempt to translate is misinterpret.

The Miss that should never repeat anything is tends miscreants is misquote.

CANCER Old Sores, Lumps in Breast, Moles removed and healed by a simple **Home Treatment**

No pain. Describe the trouble, we will send book and testimonials free.

THE CANADA CANCER INSTITUTE, Limited
10 Churchill Ave., Toronto.

A GIRL'S THOUGHTS.

[illegible]

Ask for Minard's and take no other.

WELL THANKS, ANYWAY.

[illegible]

I was cured of Bronchitis and Asthma by MINARD'S LINIMENT.

MRS. A. LIVINGSTONE.

Lot 5, P. E. I.

I was cured of a severe attack of Rheumatism by MINARD'S LINIMENT.

Marcus Ba[illegible] JOHN MADER.

I was cured of a severely sprained leg by MINARD'S LINIMENT.

JOSHUA A. WYNACHT.

Bridgewater.

JEALOUS FISHES IN A DUEL.

"Fish are liable to the same passions as you and I, and they fight and love as we do," said Dr. Francis Ward. "I can show you a photograph of a rainbow trout in what would have been a fight to the death if I had not interfered. In a pond were a big female trout and her partner, who resented the intrusion of another trout.

"Suddenly one fish charged the other and seized him by the jaw. He shook his opponent as a dog shakes a rat, and kept on until his enemy floated on the top. Then I took the fish out and revived it with a [illegible] and water."—From the London Daily Mail.

BITS ABOUT ROYALTY.

The King of Norway is a capital oarsman.

The King of Spain's full name is Alfonso Leon Fernando Maria Santiago Isidoro Pascual Marchan.

King George makes the hobby of collecting the photographs of bobbies. It is said that the more comical are the faces of the bobbies the better he likes their photographs.

Queen Alexandra possesses a tea service of 60 pieces, each piece being decorated with a different photograph which she herself took in Scotland.

The Sultan of Turkey is one of the most enthusiastic class players in Europe. He will play five game for hours without intermission.

The Emperor of Austria scarcely ever stables bands, even with his most cordial visitors or privileged persons. His usual form of greeting is a courtly bow.

PILES CURED AT HOME

By New Absorption Method

If you suffer from bleeding, protruding, blind or protruding piles, send me your address and I will tell you how to cure yourself at home by the new absorption treatment, and will also send some of this home treatment free for trial, with references from your own locality if requested. Immediate relief and permanent cure assured. Send no money but tell others of this offer. Write today to Mrs. M. Summers, Box D 23, Windsor, Ont.

"DAY WALKING."

(From the Sunny)

Toronto City has decided that as a city [illegible] that will suffice [illegible]

PURIFICO WRITE FOR PROOF
CURES
CANCER AND TUMOR
Canadian Branch: Purifico Co., Bridgeburg, Ont.

THE CONVERT

[illegible]

Keep Minard's Liniment in the house.

PENNY WISE, POUND FOOLISH.

How to save a nickel and lose a thousand dollars is a lesson learned by a Bronx contractor. He was at the Long Island station of the Third avenue elevated and he wanted to go to West Farms at the end of the Lenox avenue line on a bid on a contract. The ordinary way to make such a trip would be to pay two car fares, but this alert contractor saw a way to complete the journey for a single fare, but he says he will never do it again.

He bought an elevated ticket and walked down town to Third avenue and 149th street, where he got a transfer to the downtown subway train. He intended to be delivered to the next station, Morrisania, get off there and cross to the uptown side and take back to the station, thus saving five cents. He unfortunately did not know that there was an accident on the subway and trains were delayed for nearly an hour, and he was more than that was stalled half way between two stations. When he finally did arrive at the office he found all the bids had been opened and the contract awarded. He did, however, was lower than the successful, yet it was for a sum sufficiently large to have shown him a good profit of $5,000.

Then he went out and spent $50 in drinks to drown his sorrow.

DENMARK'S QUEEN DOWAGER.

[illegible]

PILES

You will find relief in Zam-Buk. It eases the burning, stinging pain, stops bleeding and brings ease. Persevere with Zam-Buk, measure. Why suffer more this? All Druggists and Stores—50c box.

Zam-Buk
FOR ALL SUMMER SORES

PLAYGROUNDS AND GARDENS.

(Chicago Record-Herald.)

[illegible]

METAPHORICALLY SPEAKING.

(Chicago Tribune.)

"Let us [illegible] before it overwhelms us as an avalanche [illegible]

"Nonsense, sir! [illegible]

"Nonsense, sir! [illegible]

Now it becomes a battering ram.

FARM AND GARDEN

EDUCATING THE COLT.

Faulty training is responsible for most of the ill-tempered, unreliable and unmanageable horses.

The colt's education should commence soon after birth, and the amount of handling which he receives should be increased as time goes on. There is a difference between petting or pampering and treating the colt. Kindness and patience must be the keynote of the training. But pampering will prove a nuisance, being responsible for many vicious animals. The colt must be dealt with firmly, and made to understand what is expected of him. Teach him to mind what is said to him. Handle his limbs to promote quietness. Get him accustomed to the halter and to being led while yet with his dam. Be gentle with him, yet never leave him unless you have accomplished what you set out to do. If he beats you once, he will remember it. After weaning, continue the training. Lead him around as much as possible, and while doing so teach him to stop when you say "whoa!" and to start when he is told. This is also a good time to begin teaching him to lead, as leading is a part of a horse's work that very few of them do with a willingness or ease. The education must be continuous, not spasmodic. One lesson a week or a month is useless, because in the interim he has largely forgotten his previous work. There is no better stable for a colt than a box stall, but if allowed to run in one of these he should be tied in a narrow stall for a few hours each day, because it is important that he become thoroughly familiar with being tied. A colt that is not halter-broken and tied when young, often gives trouble when he is needed for work in life, and he has to be put through his education thoroughly, the halter, the bridle and the entire harness being introduced to him in one day. Such colts are very often stallions and hard to break, and can ill be wondered at. Having been allowed freedom so long, they rightfully object to such usage. Many halter-broken and well-trained horses result from such treatment. Do not attempt too much at once, but take the animal to be carefully and well everything you attempt with him. As the horse advances in taught him. Thus will time goes on, he should be tied and halter-broken, and it is always better if the animal is thoroughly used to the bridle before the harness is placed upon him. A colt never forgets his first harnessing. If he succeeds in getting away, or in committing any other mischief, he can be depended on to try them again. After he has been harnessed several times he may be ridden. It is generally better to allow him to be a good-tempered and good mannered, thoroughly reliable old horse. If such an animal is not available, it is better to allow him simply as an intelligent animal will often take on bad habits and vicious tricks. The colt should be driven until he is tired the first time he is ridden. It is not advisable to exercise his energy, but it is important that he become tired, especially if he is a spirited animal. During school he should be exercised each day until he has become thoroughly reliable and docile. The modern colt is usually educated as more or less careless. Many generations of domestication have caused him to become subject to reality and worthless in the country, a large number of well mannered, well-broken and properly educated horses.

ISSUE NO. 23, 1912

HELP WANTED.

WANTED—EXPERIENCED DINING room girls; highest wages, permanent position. Apply Waldorf Hotel, Hamilton.

AGENTS WANTED.

SUBSCRIPTION AGENTS WANTED to handle a high class magazine, permanent position; fifty per cent. commission. Busy Man's Limited, 79 Adelaide street east, Toronto, Ont.

SALESMEN WANTED IN EVERY town and city in Canada, experience not necessary. Salary and expenses or commission. Write at once to H. Gray Company, London, Ont.

FARMS FOR SALE.

FOR SALE—CHEAP, UNDER MORTgage, 90 acre farm; easy terms; only $200 down; immediate possession. London & Savings Co., London, Ont.

FOR SALE—25 ACRES STRAWBERRY, good varieties of fruit. Write Cook Bros., Grimsby, Ont.

150 ACRES BEST CLAY LOAM, IN crop; nine miles from London. Address D. H. Arnott, London, Ont.

REAL ESTATE.

WILDVILLE LOTS—WRITE US AT once about these lots. Double the town limits; better still order two. Every lot high and dry with a good title, a profitable safe investment. Three per cent. $125; two lots $225. Terms, per lot, $20 cash, $20 per month, no interest, no taxes until 1913. Agents wanted to handle our property. The Central Saskatchewan Investment Co., Wildville, Sask.

WEYBURN, SASK.—IN THE CENTRE of the greatest grain-growing district in the west, the coming railway and wholesale centre of southern Saskatchewan; C.P.R. is in with two lines, Grand Trunk and C.N.R. coming. I handle only livable property, mostly my own; have been in real estate here eleven years; would like connection with eastern dealers; write me for description of property and prices; property for sale in lots or blocks; have some acreage. W. Tor, solicitor, Estevan, Sask.

REGINA MONEY MAKERS—FIRE insurance Place Lots, Canadian Northern and G. T. P. Shops and yards in this city. Brisson, Water and sewer now. Street cars 1913. Best investment in Regina. A sure increase. Ask for proofs. Agents wanted. Best references given. Horsfall & Kennedy, Regina, Sask.

INVESTMENTS.

6% AND SAFETY—INVEST your money in first mortgages on Western farms. We cost you six per cent. yearly, clear of expense. Write for information and references.

Saskatchewan Mortgage Co., Saskatoon, Sask.

MISCELLANEOUS.

BOYS AND GIRLS WITH THE MAGIC "Beautiful Jewelries, lockets and solid gold jewelry for selling picture postcards. Why not work? We trust you. Address Direct Advertising Co., 1331 Howard Avenue, Windsor, Ont.

SHORTHAND AT YOUR HOME. It is simple. Easy to learn. Easy to write. Easy to read. Schools teach children it can be in an week.

$5.00 for Complete Course including Text Book. WRITE AT ONCE.

COLUMBUS SHORTHAND Hamilton
CORRESPONDENCE COLLEGE Ont.

When Your Eyes Need Care

Murine Eye Remedy Co., Chicago

JAPANESE SHOE POLISH

THE FIRST SUFFRAGE MARTYR.

[illegible]

Minard's Friend. Liniment Lumbermen's

NEVER PAYS.

(Chicago Record)

[illegible]

SOCIAL CENTRES.

[illegible]

Husband.