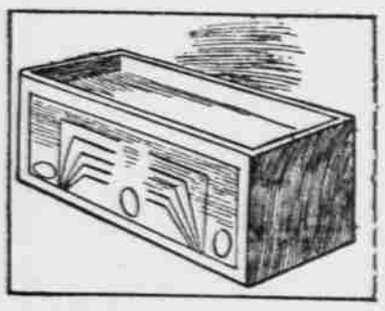
WHEN WAS IT LAID?

A Simple Arrangement For Telling the Age of an Egg.

A German genius says he has discovered a method by which he can tell the age of an egg up to five weeks from the time of laying, indicating not only whether the egg is fit to eat or not, but also testing eggs for hatching purposes much more accurately than can now be done by the candling method. Herewith is given an illustration of the simple apparatus which he uses and also the complete formula for the liquid in which the tests are made, as given in the patent papers filed in this country.

The liquid ought to be of about 1.035 specific weight and is composed of one liter of water, twenty-five grams of ordinary salt, eighty-five grams of glycerin of about 28 degrees B. and one gram of concentrated salicylic alcohol.



LINES INDICATE AGE OF EGG.

A fresh egg, it is stated, will go to the bottom of this mixture and lie there in an almost horizontal position. An egg from three to five days old will be at an angle of about twenty degrees; an eight-day-old egg will describe an angle of forty-five degrees; a fourteen day egg, of sixty degrees, and a three week egg will take a position corresponding to seventy-five degrees. An egg four weeks old will stand upright on its pointed end; an egg of five weeks will be suspended in the liquid, and an egg beyond that age or a foul egg will swim on or near the surface of the liquid.

If these statements prove true this apparatus will prove to be useful for cooking, preserving, hatching and all other purposes. The glass face of the containing vessel is graduated to indicate the above mentioned degree.

Toulouse Geese.

The large gray or Toulouse goose had its origin in southern France and takes its name from the French town of the same name. It is said to have been bred up from the old time gray goose to meet the demand for a large goose from which pate de foie gras is made, the principal part of which is goose livers potted with truffles. This goose, taken from France to England, was not so well formed or colored as now. The regular beauty of feather is the result of English breeding for feather and form. Toulouse geese are more prolific layers than the Embdens. Some of them will lay as many as forty or fifty eggs before showing a desire to sit.

With us the Embden and Toulouse are about the same size. The Embden has the longer legs and no inclination for the rear part of the body to touch the ground, while in the Toulouse the rear of the body should almost if not quite touch the ground. The Toulouse should have the dewlap; the Embden should not have it. The Toulouse should have what is called keel or hanging down between the legs; this is not or should not be so with the Embden. Our standard is the same for both as to body, but this is not fully proper, for in the truly formed specimens the body of the Embden should be shaped more like a rocker or half moon, while the Toulouse is full and inclined toward the ground.

A Little Warning.

Jack Frost kills many forms of insect life, but will not kill hen lice.

Many people think, as I did, that after a coop has stood out empty and has been frozen all winter it is all right to put chicks into it in the spring.

I fixed a couple of such coops for my wife to set hens in a few days ago and remonstrated with her for wasting oil the way she was doing—fairly saturating the boards, top, bottoms and sides.

"Oil is 13 cents a gallon," I said.

"Buckeye eggs are $5 a sitting," she answered.

"Those coops are all right without it," I insisted.

"Come and see," she replied.

And, say, I was never so surprised in my life as to see thousands of mites crawling out of the cracks of one of those immaculate coops; white, thin and small, like dust, but so lively, and probably hungry.

So now I sound this little warning to others who may, like myself, have more faith in Jack Frost than he really deserves.

Lamp oil is cheaper than chickens, anyway.—Frank Metcalf in Commercial Poultry.

Sun the Dust.

Dust boxes, or dust whether in boxes or not, should be kept in the sun for hens like them better thus. Hens always wallow in the sunshine if they can find a suitable place for this function. A dust box need not, however, be out in the rain, but may be under a roof, but where the sun can shine in it for at least part of the day.

Johnnie Get Your Gun.

Today several articles have been handed in for publication for and against the Adventist faith. Now while the great moral and religious PLAINDEALER is willing to give some space to any cause, we remember that it was a Methodist preacher who during the discussion of the attempted passage of the "force bill" advised the Reverend Bennett and the Editor to get guns and shoot it out. If we published all that has been brought into this office for the past month, guns would not settle the strife.

The Adventist meetings still continue to be held in the grove, South West from the railroad depot.

E. Wimberly went to Eugene yesterday to remain a few days.

G. S. Stirtan, the White sewing machine agent, will leave tomorrow morning for a tour of Coos County.

Co. D to Resume its Drills.

Annual Encampment of the Oregon National Guard having been ordered for Sept. 3 to 12th inclusive, all members of Co. D 1st Separate Battalion are hereby ordered to report at their Armory Thursday evening, August 6th at 8 o'clock for drill. By order of

F. B. HAMLIN,
Capt. Co. D.

P. A. WEBB,
1st Sgt.

About the Court House.

A marriage license was issued this week to J. G. Bowlby and Miss Mary M. Michael.

In the matter of the estate of W. W. Blackwell, deceased, Jessie Blackwell was appointed administratrix, and J. M. Weatherby, E. E. Weatherby and David Martin, appraisers.

THE DAIRYMAN

One hundred pounds of good milk contain about 87 pounds of water, 4 pounds of fat, 5 pounds of milk sugar, 3 3-10 of casein and albumen and seven-tenths pound of mineral matter or salts. These constituents vary between wide limits. The total solids of milk may be as low as 10 or as high as 18 parts in 100. The fat varies in quantity more than any other part of the milk, running as low as 2 parts in 100 and as high as 7. The larger the proportion of fat the richer the milk.

Most of the states and many cities have a legal standard for the composition of milk, and any falling below this standard is legally regarded as adulterated, although it may be, in fact, the pure natural product. The laws usually require 3 or 3½ per cent of fat and 9 or 9½ per cent of "solids not fat." The "total solids" required thus vary from 12 to 13 per cent, according to different laws, which means, of course, that in every 100 pounds of milk there must be 12 or 13 pounds of solid matter. These legal requirements are justified by the fact that it is the solid matter and not the water which gives value to milk.—Farmers' Bulletin 48.

Active Oleo Makers.

The dairyman who thinks that the oleo makers are going to stop coloring oleo without making a vigorous attempt to find a method that the law will not forbid is very much mistaken, says Hoard's Dairyman. Ever since the law was passed all the skill of some of the best chemists in the country has been at work on the question of finding a natural color for oleo. At one time palm oil seemed to furnish what was wanted and a color that the analyst could not identify. But what one chemist puts together another one can usually pull apart, and a method of identifying the palm oil color has been found, and the successful manufacture of colored untaxed oleo is still in the distance.

They Can't Laugh.

An Indianapolis doctor is authority for a story of a family named Tinsley, whose members as well as their ancestors have never been able to laugh since a clergyman cursed a Tinsley for ill timed merriment at the hanging of a thief in Oliver Cromwell's day.

Surgical Instruments.

Stuttgart has a surgical instrument factory which produces over 20,000 different instruments for human and animal surgery.

The First Good Friday.

Researches conducted by Professor Hans Achelis of Konigsberg on the basis of a series of most exact calculations made by the Royal Astronomical institute in Berlin have established with what seems to be a high degree of historical accuracy the fact that the date of the crucifixion was April 6, in the year 30.

Oakland Owl Hoots.

Uncle Will Thompson and Miss Rose Emmitt of Coles Valley are in the city.

Martin Bailey expects to return to a hospital in Portland and submit to another operation in the near future.

Dr. Gilmour and J. R. Sutherlin, accompanied by their hopeful sons, arried from the North Umpqua the first of the week.

E. Hartsock is building a new warehouse in the rear of Beckley Brothers new brick. This firm is determined to have all the latest and best improvements.

A few days ago panthers killed six goats for Carl Ohme near Rice Hill. A few sheep were also killed in the same neighborhood by perhaps the same wild animals.

C. W. Vail, local agent of the "Scotch Company," of whom William MacMaster of Portland is the head, gathered and shipped six carloads or about 170 head of cattle to Portland during the week. These cattle have been kept on what is known as the Chenoweth Park range, owned by this company the past year.

Miss Ellen Prior closed a successful term of school in district 126 last Friday. A very enjoyable entertainment was given in the evening which was well attended, there being the very best of order.

Accompanied by Mrs. S. J. Sutherlin and children of Roseburg, Miss Bessie Grubbe is enjoying a vacation at Bandon.

Z. L. Dimmick and family started to the coast Friday morning for a months' outing.

Many friends will be pleased to learn Miss May Fawcett is gaining strength and is able to walk with the aid of crutches.

Myrtle Creek Mail News.

Noble Andrews and family have gone to the coast, near Bandon, for a week of recreation and pleasure.

Joe Rice has been given the position of night watchman at the Johnson mill.

Merchant Selig and family are planning on a few weeks of outdoor life to be spent on the shore of the Pacific in Coos county. They will start about August 1st or 15th.

Attorney Leavengood returned to this city Monday after having spent a few days at Albany, Lebanon and other valley points.

Mrs. Schiller B. Hermann and family of Myrtle Point were here, Monday, on their way to a place up behind Canyonville for a season of camp life where a clear, sparkling brook flows through a green, grassy nook, away from the cold, fogladed ozone of the ocean. The merchant prince of Coos will join the party later.

Charley Rice left for Portland on Monday evening's train, and he expects to make that city his permanent home.

John W. Benifield who, with his family, just recently moved here from Lake county, has rented the blacksmithing portion of Charley Richey's shop where you will find him at the forge.

Mrs. W. B. Drake received word Wednesday that her friend Mrs. Bartle of Riddle who was suffering from a cancerous affliction was nearing death, and she drove over to see her.

Mrs. T. W. Beckett, of Medford, has been hear since last Thursday visiting with Mrs. Jennie Gabbert, a sister-in-law, and with friends.