Fowl Raising on a Large Scale.

The *New England Farmer* gives an interesting description of the great poultry establishment on the estate of John W. Brooks, East Milton, Mass. There are long ranges of coops, each 170 feet long, with yards attached, fenced with good picket fences nine feet high. Each building has a roof sloping northward, and is 17 feet wide by 170 feet long. The southern side is provided with large windows occupying nearly the front part of the building, and also with sliding wooden ventilators, which can all be opened or closed by a single attachment. A passage way, three feet wide, extends the whole length of the buildings on the north side; from this passage the fowls are partitioned off by a lath fence, through which they reach their heads to feed from the small trays arranged on the floor of the passage, preventing the fowls from scratching and soiling their feed, while at the same time the trays and drinking pans are easily accessible to the attendant. Each coop is 8x12 feet, with a yard 8x20 feet; as there are some eighty of these coops, each being able to accommodate fifteen hens, there is room enough for over 1200. The appointments of the buildings are excellent; water is supplied by a powerful windmill; everything is kept in most excellent order and cleanliness. Light Brahma, Brown and White Leghorn, Plymouth Rock, Polish and Cochin China are the breeds kept. The best layers of eggs are the Leghorns, and the first cross from a Brahma hen with a Leghorn cock; in fact this cross is a very useful one both for eggs and for poultry, coming to early maturity and being very productive.

The method of feeding the fowls deserves notice; they are fed in the morning a warm mess of soft food, consisting of boiled roots mixed with meal, shorts and beef scraps; in the afternoon whole grain, either oats, barley, corn or wheat, giving them a change from day to day. They have always clean water in the pans, and cracked oyster shells and cabbage or some raw vegetables to pick at. But the most attractive, as well as the most peculiar feature of this establishment, is the artificial hatching and brooding apparatus. The incubator used here is known as the "perfect hatcher," it is heated by a couple of lamps at one end; the eggs are in trays under a tank of hot water, and the temperature is regulated by a metallic rod over the eggs, which, by its contraction or expansion, breaks or completes an electric circuit, which, acting on a clockwork escapement, gives power enough to open or close the ventilators. The machine does very good work, having hatched from 70 to 80 per cent. of the eggs placed in it. It holds 750 eggs at a time. The chicks, as fast as hatched, are placed in small paper boxes lined with flannel, and kept warm till they dry off, when they are ready for the artificial mothers. These "mothers" are of wood, lined with soft woolen cloth for feathers, and their life's blood is warm water, circulating from a heater.

Ergot in Grass.

An investigator in New York, in order to ascertain the causes of frequent diseases among neat cattle in winter time, has been examining various grasses and finds that *ergot* not infrequently exists among them. "June grass" (*poa pratensis*) he says, when allowed to remain uncut until late in the season, contains no inconsiderable quantity. Similar grasses, especially the well known "Whitetop," (*Danthonia Spicata*) is often made poisonous by its presence. This grass is bad enough in its best state, having so small a quantity of phosphoric acid as to be incapable of supporting life for a long period, but when to its innutritious substance is added a poison, the result of feeding it is disease and death. The ergot is a sort of accumulative poison, taking possession of the system, and gradually but surely bringing the disease.

This *danthonia* is very prevalent on exhausted soils, where no nutritious feed can grow, because the soil has no material of which to manufacture nutritious products. Hence, the truthfulness of the unlettered countryman who said he had found that manure would kill whitetop "shadder'n thunder."

Soils producing this variety of grass generally need an application of dissolved bone or fine ground bone meal, powdered Charleston rock, bone black, or something that will supply the wanting element, phosphoric acid. Hence, our well made superphosphates are profitable when applied to such soils. But ground bone would be more economical, for that contains a higher per cent. of the needed material, and is usually cheaper per ton.

If the farmer would have healthy animals, those that have smooth coats in the spring time, those that will not eat up his fences and gnaw down his barns, let him feed such substances as possess phosphoric acid in abundance, either hay or other fodder grown on phosphated land, or the raw material as it exists in powdered bone.

A. S. Gardiner, of Ypsilanti, Mich., in response to a challenge to produce an ear of corn with 900 kernels, produced a basket of ears averaging a foot in length and none of them having less than 900 kernels to the ear. One specimen had 1200 kernels. The variety is yellow dented red cob, and was planted in hills four feet apart each way and yielded 120 bushels to the acre.

Barnyard manure generally lacks phosphoric acid, while bones contain a large quantity. A ton of pure bone dust contains as much nitrogen as eight and a half tons of fresh stable manure of an average quality. The quantity of phosphoric acid contained in the manure depends upon the kind of food consumed by the animals. Though the ton of bone dust contains as much phosphoric acid as 110 tons of stable manure, yet one ton of the latter contains more potash than five tons of bone dust.

Odd Items.

"Every trade has its special discase." Then we suppose coopers are troubled with the hooping cough.

The people of the West owe a debt of gratitude to Dr. Ayer for the production of Ayer's Ague Cure. Its timely use will save much suffering and much discouragement, and we recommend it with the greatest confidence in its ability to do all that is promised for it.

The man who is anxious for something to turn up can be accommodated by putting a glass of water under a leper's nose.

"May your troubles only be little ones and may you always have Dr. Bull's Baby Syrup handy" said an old bachelor to a newly married couple.

If two detectives can be put on a scent, how many can be placed on a dollar.

DRUGGIST'S TESTIMONY.

H. F. McCarthy, druggist, Ottawa O., states that he was afflicted with chronic bronchitis for many years and knows of no remedy equal by the use of Piso's Remedy for Consumption.

Corn is the worst used of all the cereals. No matter how fruitful it is, it is only grown to get its ears pulled.

HOW TO SAVE.

All men and women who work hard with mind or body are subject to intellectual attacks of biliousness, which may end in disordered kidneys or liver and dangerous illness. A 50 cent or $1.00 bottle of Parker's Ginger Tonic will keep these organs active, and by preventing the attack save you much sickness, loss of time and great expense. Many families are kept in perfect health by using the Tonic when spring or fall sickness threatens. Delay at such times means danger.—*Detroit Press.* See other column.

This is the season when it is safe to bet if you see a man with scrutinized hair and his wife in tears, they have playing croquet.

It is said but true that a man who once becomes deaf, seldom enjoys a happy hereafter.

FEMALE LADIES.

Those languid, tiresome sensations, causing you to feel scarcely able to be on your feet, that constant drain that is taking from your system all its elasticity, driving the bloom from your cheeks, that continual strain upon your vital forces, rendering you irritable and fretful, can easily be removed by the use of that marvelous remedy, Hop Bitters. Irregularities and obstructions of your system are relieved at once, while the special cause of so painful ails is permanently removed. Who can resist this.—*Cincinnati Saturday Night.*

The general commanding the army worms of the United States has ordered a special dress parade, with evening call and side arms.

Girls, don't marry a fellow who writes poetry; he has no respect for money.

LENTEN AND EPIDEMICAL.

Dropsical and rheumatic persons find the use of Speer's Port grape wine, of New Jersey, and the Wine Bitters, of incalculable benefit. Their purity and valuable properties have given them a wide reputation among physicians throughout this country and Europe. This wine took the highest premium at the late Centennial. It is excellent for weary and debilitated females. For sale by C. A. Klein, druggist, Bloomsburg, Pa.

Blacksmiths are seldom good penmen and yet they are always forging.

The man who exploded with laughter probably didn't know it was loaded.

NO HUMBUGGING THE AMERICAN PEOPLE.

You can't humbug the American people. When they find a remedy that suits them they use it and recommend it to their friends. Just exactly the case with Spring Blossom which has become a household word all over the United States. Price 50 cents, trial bottles 10 cents.

It is impossible to know much about a man until you try him. After that it is just possible that you may know too much.

When a young man wants to protect a young lady he naturally puts his arm round her.

FOUND AT LAST.

What every one should have, and never be without, is Thomas' Eclectric Oil. It is the rough and safe in its effects, producing the most wondrous cures of rheumatism, neuralgia, burns, bruises and wounds of every kind.

HALL'S VEGETABLE SICILIAN HAIR RENEWER

Has been in constant use by the public for over twenty years, and is the best preparation ever invented for RESTORING GRAY HAIR TO ITS YOUTHFUL COLOR AND LIFE.

It supplies the natural food and color to the hair glands without staining the skin. It will increase and thicken the growth of the hair, prevent its blanching and falling off, and thus AVERT BALDNESS.

It cures Itching, Eruptions and Dandruff. As a HAIR DRESSING it is very desirable, giving the hair a silken softness which all admire. It keeps the head clean, sweet and healthy.

The State Assayer and Chemist of Mass. and leading Physicians endorse and recommend it as a great triumph in medicine.

BUCKINGHAM'S DYE FOR THE WHISKERS

will change the beard to a BROWN or BLACK at discretion. Being in one preparation it is easily applied, and produces a permanent color that will not wash off.

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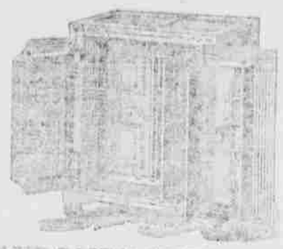

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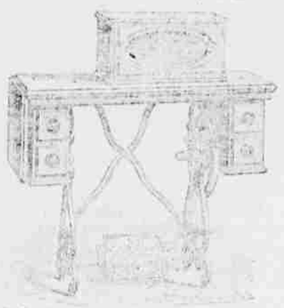

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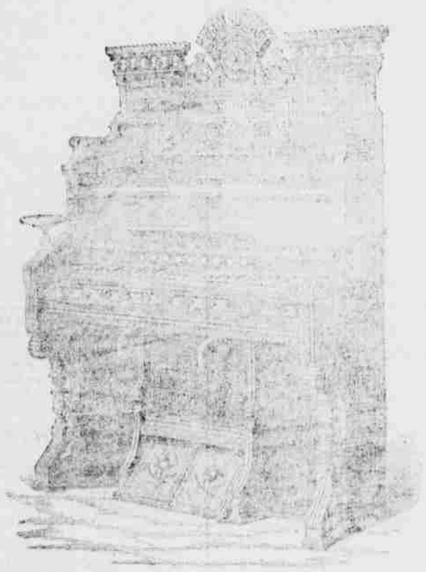

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IRON BITTERS are highly recommended for all diseases requiring a certain and efficient tonic, especially Dyspepsia, Indigestion, Loss of Appetite, Lack of Strength, Lack of Energy, Want of Energy, Lassitude, Impure Blood, Giving Tone to the Nerves, and Gives Perfect Digestion. They are a Specific for Intermittent Fever, Fever and Ague, Chills and Fever, Remittent Fever, Periodical or Bilious Fever, Nervousness, Sick Headache, Kidney Complaints, Weakness, Etc. They are Pleasant to the Taste, Children like them, and they Enrich the Blood. They are an Infallible Remedy for Diseases peculiar to Females. They are Invaluable to Those who lead Sedentary Lives, or are Engaged in Mercantile Pursuits, Clergymen, Lawyers, Nursing Mothers, Those Troubled with Pain in the Side, Back or Limbs, Tired Feeling, Dizziness, Nervousness, Sleeplessness, Dyspepsia, Biliousness, Malaria, Chills and Fever, Neuralgia, Rheumatism, Kidney and Liver Complaints, Etc. The only Iron Preparation that will not Blacken the Teeth or give Headache. Sold by all Druggists. Write for the Book (32 pages), mailed free, containing full list of diseases, directions, testimonials, Etc. Do not be imposed upon by worthless substitutes. Insist upon having IRON BITTERS. Take no other. Manufactured only by

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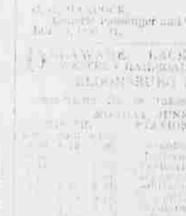

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