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THE FARM.

Len 41 11 MAIL

At the recent Ensilage Congress at New York, Rev. Dr. Ormison, says the Tribune, reported that twelve acres of his Whitby farm, on Lake Ontario, yielded each 121 tons of maize, "at a cost of \$1.20 per ton from field to silo.' When opened in midwinter there was a "rummy" smell, but horses, cattle, calves, and pigs eat it readily, turning away from turnips. He thinks silos can be built cheaply, but "good ones must cost, and pay."

In making a common road in the country there should be a depth of three feet from the top of the crown in the centre, to the bottom of the ditches on either side. The crown should be well gravelled for about seven feet in width.

ARTIFICIAL INCUBATORS may be made without much difficulty. The principal thing is to secure a temperature from 101 to 105 degrees. Fahrenheit during the 21 days of hatching. A box for this purpose may be made enclosed for hot water below with a shelf above made of laths, with openings to allow the heat to rise. The great trouble is to take care of the chickens after they are hatched when the heat should be kept at about 75 degrees. An oil lamp may be used to good the heat.

The early maturity of small breeds of pigs gives them a great advantage over the larger kinds, says the New York Times. Suffolk pigs will some times weigh 300 pounds at seven months. But to secure this result they must be fed with skimmed milk when first weaned, mixing with it a little bran and oatmeal, and gradually increasing the ration of oats till the pigs have attained such a size that it will answer to put on fat, when cornmeal may be substituted gradually for the bran and oats. There is nothing equal to milk for young pigs, but for inducing the growth the skimmed is fully as good as the pure article.

We have said some hard things of dogs-meaning thereby worthless sheep-killers-in this column. Here is something on the credit side, which we hope is true. A citizenof Des Moines, Iowa-so runs the story -owns a pair of sagacious dogs. The other day one of them rapped at the door as if for admission, but when his mistress opened it, instead of going into the house, he looked up in great excitement and started toward the barn, repeating his actions until some one followed him. When the barn was reached it was found that the horse had broken loose, and was being closely watched by one dog while the other had gone to the house for

If your poultry yard is not on a hillside or not well drained, throw up a few mounds with a spade or make several ridges with a plow, if the yard is large. There is nothing fowls, especially young ones, enjoy more than squatting themselves on a dry mound.

SCIENCE.

THE NIAGARA ICE BRIDGE.—An unusually extensive and interesting ice bridge was formed early this winter across the Niagara River below the falls.

The architect of this stupendous structure, says an intelligent observer, is the south wind. A steady blow from this quarter causes the tends from shore to shore, and from them ready for use.

the foot of the great cataract away down nearly to the railway suspension bridge, three miles, and of a thickness often equal to the tallest of city business blocks.

A writer in the Journal of Science has come to the conclusion that the moral character of the domestic cat is undergoing a change for the better. "There are few persons," of treachery, selfishness and illtemper which were brought against her by earlier writers." Nevertheless we wouldn't trust the demurest looking puss in the same room with a pet canary for the space of three minutes. We know just what would happen in that case.

A German brewer in Nevada, a bound, you'll find it a most excellent having heard of the lime process for thing to have—especially in the counmining coal, proposes to use yeast try.-Hearth and Home. as an agent for rending rocks. He has in his experiments blown strongly hooped casks to peices, and forced out one end of his brewery. He desires to make experiments in the Comstock mines, the heat of which will set up fermentation the moment the yeast charge is tamped, which will soon become so active as to overcome every resistance.

wells eighty feet deep in the valley opposite Genesee. It is now sinking shafts and will mine the salt in blocks. A test well is being sunk at Piffard.

A cotton seed bin at Lancaster, Texas, in which were 3,000 bushels the generation of gases; and the cold. report was so terrific that it was heard two miles away.

An eight-by-ten bedroom, having likewise a height of ten feet, contains 800 cubic feet of space, while the English apportionment for hospitals is 2,000 feet, with a complete renewal of air every hour. Four thousand feet of air an hour, and yet many a man and wife and infant will sleep in a thousand-foot room. Is it any marvel that multitudes perish prematurely in cities, and that infant | funnel in the upper end, and let the children wilt away like flowers without water?

HEALTH HINTS

We once saved the life of an infant which had been inadvertently drugged with laudanum, and was fast sinking into the sleep which has no awakening, by giving it strong coffee, cleared with the white of an egg, a teaspoonful every five minutes, .until it ceased to seem

If a person swallow any poison whatever, or has fallen into convulsions from having overloaded the stomach, as an instantaneous remedy, more efficient and applicable in a larger number of cases than any half-dozen medicines we can now think of, is a heaping teaspoonful of common salt and as much ground mustard, stirred rapidly in a tea-cup of water, warm or cold, and swallowed instantly. It is scarcely down, hefore it begins to come up, bringing with it the remaining contents of the stomach; and lest there be any remnant of poison, however because these very common articles | about the young Hawks." nullify a larger number of virulent poisons than any medicines in the shops .- Hall's Journal of Health.

HEAT-HOLDING SAND BAG.—One lowed to go on and graduate. of the most convenient articles to ice in Lake Erie, twenty-five miles be used in a sick room is a sand away, to break up into gigantic bag. Get some clean, fine sand, fragments, which float. down the dry it thoroughly on the stove, make current of the Niagara until they a bag eight inches square of flannel, guage of its own. Mr. Smart-Yes, shoot the rapids and plunge over fill it with dry sand, sew the open- Sophia; the clock has a language-you the cataract—a sight worth a long ing carefully together, and cover the might say a dial-ect. journey to see. Below the falls bag with cetton or linen cloth. some of these enormous cakes lodge, This will prevent the sand from here against a rock, there upon the sifting out, and will also enable you timid child and a shipwrecked sailor? beach at the foot of a cliff. Others to heat the bag quickly by placing. One clings to his mar and the other to follow, and tossed by the seething it in the oven or even on top of the his pa (spar). billows against their predecessors, stove. After once using this you find lodgement also. They are will never again attempt to warm welded by the frost and dashing the feet or hands of a sick person foam, and this process goes on until with a bottle of hot water or a the river is covered from shore to brick. The sand holds the heat a shore. The accumulation increases, long time, and the bag can be tucked the cakes of ice being forced under up to the back without hurting the the mass by the pressure of the invalid. It is a good plan to make waters, until, as now, the bridge ex- two or three of the begs and keep

RESPECT THE BODY.—Respect the body. Give it what it requires, and no more. Don't pierce its ears, strain its eyes, or pinch its feet; don't roast it by a hot fire all day, and smother it under heavy bed covering at night; don't put it in a cold draft on slight occasions, and don't nurse or pet it to death; don't dose it with doctor's stuffs, and above all, don't turn it into a wine cask he says, "now given to studying or a chimney. Let it be "warranted closely the habits of animals, who not to smoke," from the time your would join in those sweeping charges manhood takes possession. Respect the body; don't over-work, over-rest or over-love it, and never debase it, but be able to lay down when you are done with it, a well-worn, but not a misused, thing. Meantime, treat it at least as well as you would your pet horse or hound, and take my word for

> A REMARKABLE FACT.—It is a remarkable fact W. A. Edgers, of Frankville, who was so far gone with liver and kid-ney complaint that his life was despaired of, was cured with four bottles of Burdock Blood Bitters- At one day he lay a fortnight without an operation of the

it, though it will not jump to China at

THE HOUSE.

The delicacy know as " Welsh rare-The Genesee Valley Salt Com- bit" is made in this way: Cut thin effect for the purpose of keeping up pany, of Genesee, has sunk two slices of bread, remove the crust and toast quickly; butter and cover with thin slices of new, rich cheese; spread over each a little made mustard, and place on a plate in a hot oven, till the cheese is melted; cut into square pieces and serve at once on a hot platter, as of seed, exploded last week from it is quite spoiled if allowed to get

> A good addition to soup is made by cutting bread in little squares and frying them in butter until they are browned on every side. About three minutes before the soup is taken from the fire, add the bread, so that it will be flavoured with the soup, but will not be soaked so that it will crumble.

> THAWING PUMPS .- Procure a small tube, which may be of lead, place a small lower rest on the ice. Now pour hot water into the funnel, when its weight will carry it directly through the tube on the ice, which will be quickly melted, the weight of the settling tube keeping it all the time in close contact with the ice. A foot in length may be thus melted in a minute or two, while merely pour ing in hot water from a pitcher would not effect as much in an hour.

VARIETIES.

The Island of Jersey, which if square would be only six miles and threequarters each way, supports 12,000 cattle, or roughly speaking one for every two acres of its surface rocks, roads and wastes, and house room for 60,000 people included. In England there is one head of cattle for every

Dr. Hawke, an old-time eloquent and popular New York divine, once asked the vestryman of his church to increase his salary because of his increased family expenses. "Don't trouble yourself," said the vestryman, "the Lord has small, let the white of an egg, or a said he will care for the young ravens teacup of strong coffee, be swallowed when they cry." "I know that," said as soon as the stomach is quiet; the clergyman, "but nothing is said

> An exchange wants to know " whether our colleges turn out gentlemen.' Certainly not; the gentlemen are al-

Sophia (sentimentally) - I dearly love to listen to the ticking of a clock. It seems to me that a clock has a lan-

What is the difference between a

A prima facie case: When a clock is accused of being behind time, there is something wrong on the face of it.

TEIS IS RELIABLE.-R N. Wheeler, merchant, of Everton, was cured of a severe attack of inflamation of the lungs by Hagyards Pectoral Balsam. This great throat and lung healer cures weak lungs, coughs, hoarseness, bron-chitis, and all Pectoral complaints.

Cherry Pectoral.

No other complaints are so insidious in their attack as those affecting the throat and lungs: none so trifled with by the majority of sufferers. The ordinary cough or cold, resulting perhaps from a trifling or unconscious exposure, is often but the beginning of a fatal sickness. AYER'S CHERRY PECTORAL has well proven its efficacy in a forty years' fight with throat and lung diseases, and should be taken in all cases without delay.

A Terrible Cough Cured. "In 1857 I took a severe cold, which affected "In 1857 I took a severe cold, which affected my lungs. I had a terrible cough, and passed night after night without sleep. The doctors gave me up. I tried AYER'S CHERRY PECTORAL, which relieved my lungs, induced sleep, and afforded me the rest necessary for the recovery of my strength. By the continued use of the PECTORAL a permanent cure was effected. I am now 62 years old, hale and hearty, and am satisfied your CHERRY PECTORAL saved me.

HORACE FAIRBROTHER." Rockingham, Vt., July 15, 1882.

Croup. - A Mother's Tribute. "While in the country last winter my little boy, three years old, was taken ill with croup; it seemed as if he would die from strangu-lation. One of the family suggested the use of AYER'S CHERRY PECTORAL, a bottle of which was always kept in the house. This was tried in small and frequent doses, and to our delight in less than half an hour the little patient was breathing easily. The doctor said that the CHERRY PECTORAL had saved my darling's life. Can you wonder at our gratitude? Sincerely yours,

MRS. EMMA GEDNEY.''

159 West 128th St., New York, May 16, 1882.

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Lake Crystal, Minn., March 13, 1882.

"I suffered for eight years from Bronchitis, and after trying many remedies with no suc-cess, I was cured by the use of AYER'S CHER-Byhalia, Miss., April 5, 1882.

"I cannot say enough in praise of AYER'S CHERRY PECTORAL, believing as I do that but for its use I should long since have died from lung troubles. E. BRAGDON." Palestine, Texas, April 22, 1882.

No case of an affection of the throat or lungs exists which cannot be greatly relieved by the use of AVER'S CHERRY PECTORAL, and it will always cure when the disease is not already beyond the control of medicine.

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For it is sadly too true that thousand of children are STARVED TO DEATH every year by improper or insufficient

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