# AGRICULTURAL.

A Private Dairy That Pays.

The simple and somewhat old-fashioned above quotations," each package warranted nearly twenty years has only in a few instances failed to keep sweet and good till eaten the following spring, is described as

"We have, first of all, a dairy house 12x are four pans 5 feet long 20 inches wide and 6 inches deep. Those are in galvanized iron the dairy house and through each or all of these vats as we may desire. Each pan holds six hours before being skimmed, but is alacidity to the milk. The milk is brought in and strained through both wire and cloth strainer as soon as possible after drawn from the cow. We aim to keep the temperature of the room as near the churning point as possible, so as to avoid any extreme changes in temperature of the cream until it is cake of ice in the room and let it dissolve, or by sprinkling the floor with cold well water. When the cream is taken off it is added to that already in the pail it is

cream pail in cellar and never use the ice in the cream or in the water to wash the butter. We always churn in the morning, using a dash churn with a sheep for power, and can churn at an average turn of about fifteen minutes for a season, all the early and later minutes, with about twenty during late July and August. We wash the butter thoroughly in the churn after the buttermilk is drained off, take it on a lever butter worker, putting one and one-fourth ounces of salt to the pound. We slightly work in the salt, and after covering it closely from the air, leave it a few hours and give it a little more working, pack it in white oak kegs that hold sixty to seventy-five pounds each, the keg having been soaked several days in a only what they are doing themselves, but built in England in their day. brine. In packing we rub the inside of the also what others are doing, and especially package over with a little salt, put in a layer | in these days of easy communication and about three inches thick, then sprinkle a little extended markets, people should have a salt on top of that layer and put in another, knowledge of what is going on around them. and so on to the filling. Then we put a If I wanted to put it concisely, I would say, cloth over the butter sufficiently large to lay | especially to those in the export trade, find over the sides somewhat, filling the keg even | your market, suit your market, keep your to the top with salt. This we moisten with market. A market may be near, and the water, and then cover with a flat stone or higher-pricedclasses of butter, unsalted, etc., plank and set away for fall shipping."

# HOW DO YOU SET YOUR MILK ?

If you are a butter dairyman you have to set the milk for cream raising, and it depends a great deal on how you set it as to what it costs for labor. The old-fashioned way of setting milk in shallow pans or crocks has about passed out of use and the modern way of deep setting in cold water has become almost universal. Some still stick to the shallow pans, from habit we presume, but unless the dairy be a very small one this takes too much labor and time. The deep can method is both the cheaper and better way, and it need cost but little more to supply one's self with deep cans than with shallow pans. It is often the case that there is a spring near the dairy the water of which can be led into a cemented tank in the floor of the dairy, and the deep cans placed in this tank will be all that is needed, or a wooden tank can be used for the same purpose; but the most here in this country, that perhaps not complete outfit for the deep setting of milk enough care is taken as regards a good deal portable creamery the time and labor spent generally, a bad article costs as much to in handling the milk and cream is reduced carry as a good one; and in these days, to a minimum and the dairyman can have the temperature under complete control, tant markets, especially, by a better qualthereby insuring a uniform product in the ity than can be found upon the spot, too butter. Many thousands of these portable much stress cannot be laid upon the necescreameries are now in use and they have sity for improving the quality of our propassed the experimental stage long ago and can now be relied upon to produce certain have a good deal to do with that. The results. The writer can cheerfully commend found it a paying investment.

# SELECTING SEED CORN.

The yield of corn can be greatly improved by careful selection of seed. It should be done before the corn is harvested, going through the field and tying a red string to stalks that promise to have two or more well formed ears. When the corn is ripe enough to cut save such stalks by themselves and when husked take the best of the two ears. In this way varieties will be formed whose tendancy will be to bear two good ears on a stalk. This should be planted far enough away from other corn so as not to be fertilized by it. Even then some stalks will be found that will have only one or even no ear. These should be cut out before they have fertilized the silk on bearing stalks. In growing seed corn the suckers should be cut out. They rarely bear ears good for anything, while they furnish more than their proportion of pollen for fertilizing bearing ears of grain. For seed purposes it does not matter if the ears are not filled in all parts if it comes from destruction of nonbearing stalks. The scattered grains will grow full and round, instead of being compressed as they are in an ear that has been fertilized with successive growths of pollen on its own stalks, as well as on those earlier and later than itself.

# SOWING WHEAT TOO EARLY.

It is not the size of a wheat plant, but its vigor and healthy growth, that insures its vitality through the winter. On rich soil it is often better to defer sowing until late in September. There is less of leaf to draw on the root during winter, or to be transplanted if the root should chance to be lifted up by thaw occurs, while the roots are held below for laying before cold weather begins.

and the surface freezes again. The top is then greatly disproportioned to the root. It is a good plan when wheat is getting a large fall growth to turn in sheep or young calves to crop the leaves. They lessen liability to injury by decreasing the top in case the root system practiced in a dairy-of Jersey and is thrown out. Besides this the tramping of grade cows-whose butter sells readily and the soil is beneficial. It compacts it around ing .- [American Cultivator.

# Remedy for Borers.

We have water from a spring running into July, I first noted that the borers had atwas torn on those in the orchard. On ex- tubes for Whitehead torpedoes. I am on the right track. The operation is | head torpedoes. think this gives it to them.

# Our Butter Markets.

I think it is good for people to know, not may find a market close at hand. On the other hand, however, for the majority of the people, and at all events for some years, it seems to me that the distant markets will be those to which we must look. It is remarkable what can be done by a little careful attention to details. Denmark, a comparatively small country, by no means a rich country, possessing over the rest of Europe no advantages of climate and soil, by great attention to details, scrupulous care and a considerable amount of science, has placed herself in a relatively high position in the European market and, I am sorry to say, to the displacement of many neighbors who should hold their own better than they do. As regards suiting your market, consider that you have to look at not only your own mode of manufacture, but that you have also to suit those to whom you have to sell. Now, with great respect, I cannot help repeating what I have heard elsewhere, and I have seen evidences of it when you have to meet competition in disducts. Cleanliness and care in packing French have gained a good reputation by the care in which in the dairies of Normandy and the northern provinces or rrance they suit the market to which they are sending. There is a great difference in making up packages in an attractive form, and I suppose even to the wholesale purchaser there is nothing like having something to please the eye in thus making your goods attractive But I am sorry to say that in many cases those who are sending to market do not pay enough attention to this, the result being, for instance, in the case of a mixed sample or had packing, especially in butter that the consumer eats bad butter and the producer eats up his own profits.

# Rye for Turning Under-

Rye may be sown quite early in autumn or early in September for plowing under in spring, using plenty of seed to produce a heavy crop. Its value as a manure cannot be well compared with barn manure, practical results with which will be quite unlike in different localities and with unlike soils. More time is required for the rye to act and to decay and become disintegrated and diffused through the soil, while manure properly applied will begin to operate at once. Under common management, the manure would produce the most immediate and visible results. The right time to plow rye under is just before the heads appear or just as they are making their earliest appearance. Later, the straw hardens and does not so well mix with and become a part of

# Broody Hens.

This is the time when hens that have laid | ly was Commander-in-Chief of its navy. frost. As for the idea that a large growth of | well early in the season indulge themselves | Other English and German officers have leaf keeps the ground from deep freezing, in a rest. Do not let them become broody; contributed to the improvement of China's it is absurd, for every winter frost penetrates feed liberally with whole wheat but no corn. | navy, in which many of them have found | perspiration, and labor produces it in proalways as deep as the furrow and often much | Once or twice a week give them a little oil employment, while the young Chinese fusion. It is then when the skin is moist deeper. The small wheat plant has not meal. It is as effective in producing new officers have been carefully instructed in and the pores open, that treatment of old struck its roots deeply. When the surface feathers on moulting hens as it is in making European naval schools, although China has chronic rheumatic and neuralgic aches and soil expands it lifts these roots with it. a new coat of hair for horse in winter. As a training institution of her o u at Fooc. pains may be the most successful. St. Early sown wheat, especially when sown in soon as the feathers become glossy stop feed- how. a dry time, has roots that strike down deep- ing the meal, as it is too fattening. Its ad- ly. These are snapped whenever a surface vantage is that it gets the hens in condition Ting's must have formed a striking contrast the muscles to healthful action and will

### CHINA'S NAVY.

### Its Growth During the Last Ten Years and its Present Efficiency

cool and quiet way in which China has lately received the reproaches directed against | waters during the troubles, while the latter steadily to the same families "at prices far the roots and thus compacted the soil is less her by the Western powers, on the score of remained in her glory at Yokohama, where absorptive of water, from which comes the the Yang-tse-Kiang riots, may be due partly she formed a remarkable object in compariand none ever returned, and which during chief danger from winter freezing and thaw- to the confidence which a greatly improved military and naval establishment inspires. In her fleet, especially, the Middle Kingdom has made remarkable progress within the last ten years. It seems but a short time efficient guns to represent her there. A correspondent gives his experience as since she was relying on junks with 18 feet, 10 feet high and well lighted. There follows: My remedy for borers has worked ridiculous armaments, but the recent visit of so satisfactorily with me that I will give it Admiral Ting's squadron of half a dozen to others who may be similarly afflicted. | modern war ships to Yokohama created a | days that the thrones of Europe are totter-

the paper was intact free from borers; in twinscrew steel cruiser of 3,200 tons displace- thrones themselves, but merely from a "If at the time of churning the cream is fact not finding a single one; while in those ment, having a speed of fifteen knots. She recognition of the practical utility of their too cold it is brought to the right tempera- not covered and where paper had not been has two 81-inch and three 6-inch Krupps in temporary occupants. Continuing it says ture by putting in warm milk to bring the removed I found from one to twenty, all her main battery, with a secondary battery There is no proof, for example, that Gertemperature down. We simply set the sizes. This to me is conclusive proof that of Hotchkiss revolving cannon and White- man devotion to the house of Hohenzollern

very simple and quickly done. Take a stiff Two English protected cruisers, built at in their young Emperor an active, energetic paper (glazed hardware is the best) and cut | Elswick, the Chih-Yuan and the Ching- man of affairs, a real executive, not a mere it into strips four inches wide, then com- Yuan, have a displacement of 2,300 tons and figurehead. So with Humbert. He has mence at top of truuk and wrap spirally attained an average speed, in their trial trips, shown the traditional strength and courage, to the foot, throwing up earth around with all weights, batteries, and crew aboard, both as soldier and civilian, of the house of part of the season using only five to ten the paper to keep it in place, or if thought of 181 knots. They are fitted with triple- Savoy, and has held with a tactful hand the necessary it can be loosely tied. A boy can expansion engines, are coal protected, have reins of real authority over his various Cabiwrap 200 trees in a day of ten hours, or even | double bottoms, and a bunker accommoda- nets. The people appreciate these personal more. The trunks of young trees certainly tion of 450 tons. Their armament consists qualities and are loyal to him personally, need some protection from the sun, and I of three 84 Krupps and two 6-inch Arm- but probably care not a whit more for the strongs, protected by splinter-proof shields. | dynasty he represents. The Emperor of They carry eight 6-pounder rapid-fire Hotch- Austria has retained the regard of his hetekiss guns, six Gatlings, and four torpedo rogeneous subjects by a discreet exercise of tubes. They have conning towers of 3-inch | concession and a really remarkable power of | plates, a complete electrical outfit, and, in discerning and taking advantage of the short, are among the best equipped vessels | drift of popular sentiment. Hence Francis

> special notice are the King Yuan and the kans among millions to whom the Lai Yuan, armored ships, built by the name of Habsburg is but a tinkling cymbal. Vulcan Works at Stettin. They are double- As for England, it has long been more a bottomed steel vessels, with compound democracy than a monarchy, and its people armor, having a maximum thickness of 91 have often enough shown their readiness to inches at the water line and decreasing to dismiss an unsatisfactory sovereign and call about five inches below. They carry each another to the throne. The causes of poptwo 81-inch Krupp guns in the bows, mount- ular regard for Queen Victoria are obvious ed en barbette, and surrounded by an armor- enough, and they are purely personal; and ed breastwork and two 6-inch Krupps, the Prince of Wales retains his hold upon while the secondary battery contains two the public heart largely because of his un-Hotchkiss rapid-fire guns, five revolving tiring diligence in performing gracefully cannon, and four torpedo tubes.

> steel cruisers Yang Woi and Tchao Yong, figurehead." of 1,350 tons displacement, built at Elswick and having 2,400 horse power, the former of sovereigns are strong and not the dynasties; carry a good battery of Armstrong guns. mere creatures of the "parliament of man The construction of these vessels was follow- which the moment their conduct provokes ed by an order to the Stettin Works for a vote of want of confidence will determine

two large coast defence ships. Last year, at the Foochow arsenal, the armored coast-defence vessel Ping Yuen was completed. She is 100 feet long by 40 beam and 16 draught, and of about 2,600 tons displacement. She has triple-expansion engines of about 2,400 horse power which give her, however, only the disappointing speed of 101 knots at the maximum. But she has a belt of 8-inch armor at the water line and a 2inch protective deck. She carries a 101 is the portable creamery. With a good of the butter which is exported. Speaking Krupp gun forward protected by a 5-inch breastwork, and two 6-inch Krupps amidships, besides eight rapid-fire guns in the secondary battery and four torpedo tubes. At Foochow this year two torpedo gunboats, the Kong Hi and Kong Bui, of about 1,000 tons displacement, have been under con-

struction. The yard at Foochow is indeed one of the most remarkable signs of China's naval progress. Founded twelve or fourteen years ago the Min River by a French officer in the Chinese service, it was supplied by degrees with docks, rolling mills, machine shops, and, in fact, all the appliances for naval construction and repair. During the last half dozen years it has been turning out war vessels of various sorts and sizes, although, as has been seen, the principal vessels of the Chinese navy were obtained in England and Germany. China also supplies herself with heavy guns as well as ships, and her factory at Kianguan is now building steel breech loading rifles up to 13 inches calibre, which is as high as our money in real estate. own gun factories have gone. The steel for these guns is rough turned in England and sent to the factory.

It must be confessed that the Chinese navy has never distinguished itself much in action. During the war with France in 1884 one of its principal fleets was utterly from 3,400 down to 300 tons, were destroyallowed to serve in China, and until recent- bishop Ryan.

ron of Admiral Belknap. This consisted of three small vessels—the Alliance, a wooden craft of 1,375 tons and six small guns; the Palos, of 420 tons, armed only with howitzers, and the Monocacy, a worn-out paddle-It has been surmised that the somewhat | wheel craft of 1,370 tons and six guns. Indeed, only the two former were in Chinese son with Admiral Ting's squadron cruising there. But with the Charleston now assigned to the Chinese station, our country will at last have one modern ship of good speed and

### Arc Monarchies Tottering?

The remark is frequently heard in these vats that hold about four pails of water. Last year, 1890, during the latter part of profound impression there by its efficiency. ing to their fall and that the existing Among the first efforts of China to procure monarchies will soon be numbered among tacked my young fruit trees, and on close a modernnavy were her purchase in England | the things that have been. That this preexamination found that they had made fear- of a fleet of gun boats of about 1,350 tons dis- diction will soon be realized there is certainone milking and can stand at least thirty- ful ravages; indeed I was almost discourag- placement each, and her construction of ly little in present appearances to indicate. ed, but went to work with the knife cutting others at Foochow. Then she contracted Never perhaps was German Emperor more ways skimmed as soon as there is the least them out, and in many instances completely with the Vulcan Shipbuilding Company at honored and respected by his subjects than girdling the trees in my efforts to cut them | Stettin for two steel cruisers having a speed | the present occupant of the throne of the out, and badly injuring others. I was ad- of about fifteen knots and carrying two 8- Hohenzollerns. King Humbert, too, has a vised to wrap up the trunks with old sacks inch and eight 41-inch Armstrong guns. like hold on the confidence of his people; or bags; but having none convenient I used But more important were the vessels built while all the world knows how heartily paper, i. e., pages of catalogues, and in for her by the Stettin Works, called the every subject of her gracious Majesty sings many instances common newspaper. In the Ting Yuen and Chen Yuen. These were | "God save the Queen." This apparent autumn 'I uncovered the trees and found armorclads of 7,400 tons displacement, carry- revival of the monarchical spirit leads the churned. This can be done by keeping a them in good order, but was at a loss to ing 141 inches of compound armor at the New York Tribune to enquire whether the fire in the cooler part of the season, and in which to attribute my success—the wrapping water line. They are said to have a speed unusual demonstrations that have been the extreme warm weather by putting a of paper, the cutting them out, or wash of of fifteen knots. They have double bottoms witnessed during the last few weeks are due whale oil soap that I gave them. This and steel protective decks, and their power- to an increasing hold of the monarchical season, during April, I washed all my trees ful batteries include four 12-inch Krupp system on the confidence of the people, or with whale oil soap and wrapped nearly all guns, protected by an armored breast work to the respect they entertain for the ocgenerally stands in a covered pail twenty- with paper, leaving a few in nursery bed and two smaller Krupps. They are also cupants of the thrones themselves considerfour hours before churning. When any cream unwrapped, and in a few instances the paper furnished with eleven Hotchkiss cannon and ed as men. The Tribune concludes that it is the latter, and argues that what is seen thoroungly stirred in order to have all alike amination last week I found every one where The Tsi-Yuen, also built at Stettin, is a arises not from any increased love for the

is deepening; but only that the people see Joseph is a name to conjure with A pair of Chinese war vessels deserving from the Carpathians to the Baland impressively the various social functions Still another pair of modern vessels are the that compose the real work of the royal

Therefore the Tribune concludes that the which reached a speed of 16.2 knots and that the monarchs of Europe are at present the latter of 16.8 knots on trial. They on their good behavior, and that they are that out they must go.

# Building in Toronto.

Though it must have been patent to every person who has moved about the city to any considerable extent that Toronto's building operations this year are on an unusual scale, it is not unlikely that very few fully realized how great they really are, or how greatly they exceed those of last year. According to the City Hall record the value of buildings for which permits were taken out dvring the last eight months is nearly three times as great as that for the corresponding period of last year. Following are the figures for the first eight months of 1891

and 1890:		
	1801.	1890.
January.	\$226,950	\$ 50,500
Fobiuary	144,600	105,450
March	236,440	172,625
April	769,680	167,000
May	692,600	212,625
June	- 446,275	161,225
July		138,925
August		145,075

\$3,290,005 \$1,157,225 It is evident that Toronto property owners have faith in the future of their city. No better test can be found of a man's confidence in the future prosperity of community than his willingness to invest

# Lord Save Me.

"Say to Him, in the prayer of the skeptic, "If it be Thou, Lord, command me to come to Thee. If this illumination of the intellect and this touching of the heart be from destroyed by Admiral Courbet in the Min my God, and would give me an answer to River fight. Fully a dozen vessels, ranging | the riddle of my life, command me to come to Thee." And if in walking upon the ed there and at Sheifoo, the remarkable waters, you still sink in doubt, cry out to features of the French attack being the Him, "Lord save me," and He will stretch blowing up of vessels by torpedo boats and out His hand as He did to doubting Peter, the great destruction of crews by Hotchkiss and you will be enabled to walk upon the revolving cannon. But, of course, it is not troubled water by His side, and He will lead supposed that China would be a match for you to the bark—the bark of Peter. And as even the smaller part of the naval force of when they of old entered the bark the wind France. Besides, the vessels then in action | ceased, so shall the storm of doubt and were her earlier ones, whereas most of the difficulty cease in the depths of your soul. powerful ships just described, some of which | And, falling at the feet of Christ, your skepsecured the admiration of Count Katsu of ticism will disappear, you will cry in the the Japanese navy in their recent visit to vehemence of your faith, hope, love and Yokohama, are of late date. The personnel gratitude to God; "Indeed thou art the Son of the Chinese navy has also no doubt been of the living God." Here is peace. Here is greatly improved since 1884, under the certainity. Here is the answer to the quesinstruction and training of Admiral Lang, tions of my soul-the answer to the cry of a Captain of the British navy who was my heart," My Lordand My God !" "-Arch-

# In Profusion.

The least exertion on a hot day provokes Jacobs Oil will penetrate to the bone. It during the recent troubles with the squad. soothe the disordered nerves.

and therefore it cannot be cured by local applications. It requires a constitutional remedy like Hood's Sarsaparilla, which, working through the blood, effects a permanent cure of catarrh by eradicating the impurity which causes and promotes the disease. Thousands of people testify to the success of Hood's Sarsaparilla as a remedy for catarrh when other preparations had failed. Hood's Sarsaparilla also builds up the whole system, and makes you feel renewed in health.

# Hood's Sarsaparilla

Sold by all druggists. \$1; six for \$5. Prepared only by C. I. HOOD & CO., Apothecaries, Lowell, Mass. 100 Doses One Dollar

# A Wonderful Relic.

The production of the last strategy are absenced that are the production of the second section of

Treves is by no means alone in the possession of a relic of the founder of Christianity. Bruges, the capital of West Flanders, Belguim, contains one more precious still, namely, a few drops of His blood, supposed by some to have been collected beneath the cross and by others to have been collected by Joseph of Arimathea. The rellc was brought from Jerusalem to Bruges by Thierry d'Alsace, a Crusader. It is kept in a chapel specially consecrated to it. Every year it is carried in solemn procession through the streets of the city, on which occasion Bruges is visited by crowds

### A Moderate Want.

of devotees from all parts of Belgium and a

general holiday is observed.

I would not be my lady's glove, Thus lightly to be cast aside, Her bonnet or her gown, for love Like mine would nearer her abide. And yet I would not closer press So closely that she must demur, But, oh, I'd be her bathing dress And cling

And cling And cling To her.

# "German

# For Coughs & Colds.

John F. Jones, Edom, Tex., writes: I have used German Syrup for the past six years, for Sore Throat, Cough, Colds, Pains in the Chest and Lungs, and let me say to anyone wanting such a medicine-German Syrup is the best.

B. W. Baldwin, Carnesville, Tenn., writes: I have used your German Syrup in my family, and find it the best medicine I ever tried for coughs and colds. I recommend it to everyone for these troubles.

R. Schmalhausen, Druggist, of Charleston, Ill., writes: After trying scores of prescriptions and preparations I had on my files and shelves, without relief for a very severe cold, which had settled on my lungs, I tried your German Syrup. It gave me immediate relief and a permanent cure.

G. C. GREEN, Sole Manufacturer, Woodbury, New Jersey, U. S. A.

The physical wonder in Southern Califorma, by which a lake was suddenly called into being few weeks ago, is by many regarded as come to stay. Though not deep-the water in many places being only a few feet in depth—the lake is now sixty miles long by thirty miles wide. Already its presence appears to have seriously affected the climate of that portion of the State, unusually heavy rains having recently fallen in the mountain and hill districts where no moisture was ever known before at this season of the year. Should the expectation of the experts who pronounce in favor of its continuance, be realized, the Biblical saying of making "the desert blossom as the rose," may for that country cease to be a mere figure of speech.

