

OLD CONVICT SHIP

The Success Was Built in 1790 and Carried Felons

The ancient British convict ship Success which has been showing her self to the New Englanders by worth looking at from the viewpoints of prison reformers and philanthropists generally. She has been patched up a bit since the days when she transported across seas to the penal colonies of Great Britain hundreds of felons and carried in irons hundreds more who perished on the voyages, still in irons. Originally the Success was an armed East India merchantman with old fashioned ports, from which protruded highly polished brass guns to fight off pirates that had a habit of taking chances with ships bringing luxuries from the Indies. She might have been regarded beautiful in those days, but as compared with modern models of the sleek, high spined clippers and packets of the '30's she is mighty homely. She was built at Moulmain in 1790 of oak. Her sides are two and a half feet thick at the bilge. She has a square stern, quarter galleries, built bows and other peculiarities of the ships of her era. She is 135 feet long, which was big for her day as a merchantman, but vessels of almost half length might be suspended from the davits of the Emperor or the Aquitania. She never made any records as a merchantman but she created one when she made her last trip across the Atlantic under her own sail, by covering the course in ninety-six days. This is the longest Atlantic trip in modern times. If the human beings who died aboard her should all come back to make a personal inspection of her she would be unable to accommodate them. Some of them, if they brought along their human forms, would be unable to see the old hulk, as they went blind before dying in the "black holes." The Success went out of commission as a convict ship after the exposure in 1857 of the inhuman treatment of prisoners under the bulk system. From 1860 to 1869 she was used as a women's prison and later as a reformatory ship and ammunition store. In 1892 the Success was scuttled by residents of Sydney, N.S.W., after she had been sold. The owners raised a syndicate and put her on exhibition. She has been shown five times in London, and her press agent declares that 15,000,000 have since looked her over, including the King of England, the German Emperor and the Prince of Wales.

Aged Speakers

Although the Speaker's office is an exhausting one, all its holders of recent years have lived to a hale old age. Lord Selby, Lord Ossington, and Lord Hampden were well over seventy when they died, and Lord Peel lived to eighty-three. Lord Eversley, who filled the chair for thirteen years, attained the age of ninety-four, and was so keen on outdoor pursuits to the last that he bought a new pair of guns when he was ninety-two. Speaker Shaw-Lefevre found his experience as a shot useful in the House. Someone asked him once how he contrived to jangle out his man when twenty members sprang to their feet at once. "Well," he replied, "I have not been out shooting rabbits all my life for nothing, and I have learned to mark the right one."

Breeding for Quantity

To have a 200-egg strain it would be necessary to make that mark the average. That would mean not a few hens in the flock to lay from 200 to 250 eggs per year. Such hens, for breeding purposes, would be physical wrecks.

In all buildings in Cologne except separate residences of not more than two stories concrete or iron stairways are required by law.

BOY'S HEART MASSAGED

Action Restored After Thirteen Minutes' Suspension

The story of how Albert Davies, aged 6, had his heart's action restored by massage after thirteen minutes' cessation is related in the privately circulated "Gazette" issued to the staff of Guy's Hospital, London, Eng. After the boy's tonsils had been removed he stopped breathing. Other means failing to restore respiration, which had ceased for twelve minutes' an incision was made to enable the surgeon to massage the heart. After about twenty squeezes the heart was suddenly felt to be beating and respiration was re-established, though at first the pulse was not perceptible, and the boy's condition remained extremely feeble. He was unconscious for two days. Only by unremitting care was he brought round gradually to perfect health.

The medical statement on the case concludes: "There have been several successful cases recorded of heart massage, but this case is perhaps unique, in that recovery took place after so long a time of cessation of the circulation. It can be imagined that it is extremely difficult to estimate the time in emergencies, but it is certain that the heart had stopped at least thirteen minutes, and the impression of those present was that this figure should be between fifteen and twenty minutes."

FEEDING MILCH COWS

Judgment in Feeding Will Result in Profit

The law of diminishing returns applies nowhere more truly than in the feeding of dairy cattle. The more food eaten and digested the greater the flow of milk, is an infallible rule in dairying. But there is a point where the increase of milk will not be sufficient to defray the cost of the extra food. This point depends entirely upon the relative cost of the food as compared with the market value of the milk, cream, butter, or cheese.

Thus it follows that if a farmer feeds all his herd alike, irrespective of their capacities for producing, he is bound to suffer considerable loss. The cow's capacity for producing milk is limited. It is doubtful if a maximum yield of milk is ever profitable from all the individuals of an average herd.

The liberal use of concentrated foods will increase the flow of milk, but it will not convert a bad milker into a good one. But it generally pays to give a good milker a reasonable amount of cake and meal. Unless such an animal is well fed she will "milk herself away." The quantity of such feed should be determined and regulated by the yield of milk, the heavy milkers getting an extra supply.

Thus in the feeding of milch cows for profit the law of diminishing returns should always be kept in mind. If an accurate record is kept of the milk of each cow, and its bulk and fat content known, little trouble will be experienced in gauging the feed so that a maximum of profit may be gained from the herd.

A BATH-TUB HINT

Toy Balloon Put to Work—As it Goes up Water Goes Down

Regulating one's bath with a toy balloon has a rather queer sound when put into words, but if put into practice it would prevent the overflowing of the bath tub. There are any number of times when it is not possible to stand by while the bath tub is being filled to watch and turn off the water before it overflows the tub. And there are many times when one stands by when one could be doing something else.

Therefore enter the toy balloon as the bather's little helper. Attach the balloon with a string to the plug in the bottom of the bath, the string being just as long as the depth of water desired. Then when the water reaches the required depth the toy balloon floats on top and by its buoyancy lifts out the plug and lets the water escape.

MOUNT CAVELL HAS ITS UNIQUE FEATURES

Glacier Upon it Resembles Woman Robed in Spotless White—Was It Selected by Inspiration?

The mountain in Jasper National park that perpetuates the memory of Edith Cavell, the English nurse who suffered martyrdom at the hands of the Germans in Belgium, is a striking pile, whose summit reaches to a height of over 11,000 feet above sea level, and is about 12 miles south of Jasper, from where it can be clearly seen at any time when not obscured by clouds. Its northern face is covered by snows and glaciers, and when lit up by the rays of the sun or moon presents a splendid spectacle, and it is regarded as being a most appropriate monument for the unfortunate victim of Hunnish hate.

Strange Figure

Lying between Mount Cavell and a high, sombre, verdureless mountain, as yet unnamed adjoining at right angles there is a remarkable glacier of immense size, which, at close range resembles the prostrate form of a woman attired in robes of white, with outstretched arms, one extending to the side of each mountain and the feet reaching down to the great ice bed at the foot. This figure creates the impressions of those who see it, and lends an additional interest to the memorial mount.

In Mournful Attitude

On the nameless mountain, which it is proposed to call Mount Sorrow, there is another remarkable figure which nature has carved from the solid rock with wonderful fidelity. It is that of a woman in an attitude of mourning, standing over a fount-like basin. Except at the feet, there is no cleavage between the figure and the mountain, and from the point from where it can be seen best it is startlingly realistic, even to the garments, which look like buckskin, the stone being stained a brownish yellow. The life-like appearance of the figure is so very real that impressionable people will doubtless conclude that it was by no mere chance that the mountain named in memory of the murdered nurse was chosen, but by inspiration.

PRODUCTION: CANADA'S GOLDEN OPPORTUNITY

Increased Production of Live Stock—Canada's Greatest Asset—Build up Your Reserves

The increased cost of live stock is due to under production. The increase in cattle has not kept pace with the increase in population in the principal cattle raising countries, excepting Australia. Farmers tell us they have found dairy work, and some other productions of the farm, more remunerative than raising live stock, and that those conditions have tended to a falling off in the supply of cattle. The conditions here described are more marked in the United States. There between 1909 and 1913 the population increased 30 per cent. In Russia, Argentina, and Brazil there were also decreases. In France, Germany, the United Kingdom, and Austria-Hungary there were slight increases, but only in France at the same ratio as the population. In Australia alone was there relatively a greater growth in the number of cattle than of people. In Canada the population during the period mentioned increased 35 per cent, but in cattle only 20 per cent.

Opportunity Waits

Those facts are surely pregnant with significance of the opportunity that lies before Canada in the breeding of cattle.

With the foregoing outline of home matters before them it is hard to believe breeders will fail to recognize the profit that will likely accrue from increased production in all lines of live stock. If, with the present difficulties, it is surely reasonable to expect that its activity will be greatly accelerated when the warring nations shall have reached an agreement, and decimated flocks and herds have to be renewed and revived.

Reputation For Canada

When that good time arrives, not only the twenty million men under arms, but a large part of the general population of Europe will hail with eager anticipation the chance to once more enjoy fresh killed beef, mutton, and pork. Breeders, too, will hasten to restore their vanished or decimated stocks. A dozen countries will then clamor for cattle, sheep and pigs. Canada, with her channels of supply open with her nearness to the sources of demand, will then be in the most favored position to avail herself of the situation to the full, and to obtain a reputation that will last, Canada must build up her reserves now.

Waste in Potatoes

Enormous waste is caused both in material and nutritive value by the peeling of potatoes before cooking them. There are thousands of pounds of potatoes wasted every day through the peelings. To be convinced of this it is only necessary to note the bulk of the peelings when you peel the potatoes before cooking. But this is not the only waste. When peeled potatoes are boiled in the ordinary way, there is a loss of nitrogenous and saline matter by extraction into the water, which does not occur when potatoes are boiled in their skins, or baked.

Northern Potato Seed Best

Authorities agree that northern-grown seed will give the best results in old Ontario and that immature seed does better than mature seed. "In parts of Scotland," said Professor Zavitz of Guelph, speaking on this point, "they grow an early crop of potatoes and then plant a later crop for seed purposes, and they find that by immature potatoes make the best seed, and the same result has been found at the college; potatoes not fully matured make better seed than a well matured potato."

Arm is For Food

A rather curious fact is that the bones of the arm are arranged primarily for the purpose of carrying the hand to the mouth—food being, of course, the first necessity of life. If you do not believe it, try it for yourself, and see how much more naturally, when your arm is bent, your hand moves in that direction than in any other.

TO BEE-KEEPERS

There is considerable difference in time from the laying of the egg in the various cells by the queen to the fully developed bee in the imago stage.

The egg deposited in the queen cell passes through its several stages to the matured queen in 15 days.

The egg in the worker cell becomes a full-grown worker bee in 21 days.

The egg in the drone cell takes 24 days to become a fully developed drone.

The Queen bee leaves her cell on the 16th day.

The worker leaves its cell on the 22nd day.

The drone leisurely comes forth into the world of life on the 25th day.

The queen flies on the 21st day and the worker and drone on the 33rd day.

There may be a little difference in time when the several actions take place within the hive, but the student can rely on the above mentioned times.

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