The Christian Soldier.

PREPARE for fight, O Christian, The hand of this amour on;
It is a fearful hattle,
Thou must fight tilt it be won.
Thy sin is forgiven, Thy treasure in heaven-

Not for the praise of man, Not for the world's renown; Not for an earthly hope, Not for an earthly crown, Thy sin is forgiven, Thy treasure in heaven.

Thine arm cannot attain it, Thy prowess cannot win; A dire disease is on thee, The fell disease of sin. Fhy sin is forgiven, Thy treasure in heaven.

There liveth one can save thee, He left His throne on high With guilty man to live, For guilty man to die. Thy sin is forgiven, Thy treasure in heaven.

His blood hath paid thy ransom, His spirit is thy guide; Thou canst not fear the foe For he is on thy side. Thy sin is forgiven,

Thy treasure in heaven.

Agricultural.

GRIGHT OF THE AYRSHIRD CATTLE.-The Paris Exhibition of domestic animals, last summer, seems to have thrown some light on the long disputed question as to the origin of the Ayr-shires. A breed of cattle from Denmark, cylibited on that occasion, so strongly resembled the Ayrshires, that many believed them to be descendants of that breed, as it was known that many Ayrshires had been exported to Denmark. many Ayesines and need exported to Denmark.

In answer to an inquiry on this subject, the editor of the North British Agricultured, in that paper of October 29, says: "We had opportunities of knowing that a considerable important tion of Ayrshire stock into Russin, Prossin, and Denmark, had taken place for some years past. On seeing the cattle in the Paris Show, referred to, we inferred that they were descendants of imported Ayrshires; but the Professor of Agriculture in Copenhagen, Mr. Jorgensen, and the Danish representative at Paris, Baron Delong, informed us that they were the indigenous breed of Holstein, and their additional representations satisfied us that this Holstein breed is the migisausacu us that this Holstein breed is the migi-nal Ayrshire. The early connection of this country with Denmark, fully confirms the con-jecture, that the Sea Kings brought with them some of their valuable donestic animals, and of these, the breed now known as the Ayr-shires."

GROUND OATS .- Ground oats farnish more nutriment, and keep the bowels in better condition, than when served out whole. By grinding the oats we seperate them into a myriad of particles, and present them to the gastric sol-vents in a form calculated to secure their speedy digestion—in fact, they are in a condition fa-vorable to speedy insalivation.

Ground oats are more nutritious than whole,

for the same reason that flour is more so than unground wheat.

Ground oats contain more of the nitrogenous or flesh-making principle, than any other kind of horse food; at the same time they furnish a mixture of coarse and fine food—the lask of dats constitute the liest, and meat the latter— The coarse material serves to keep the bowels in a soluble condition—irritate and excite the museus coat, and thus obvinte the necessity for drastic medicine. This kind of food is decidedly the healthiest for working horses. They require, however, a certain quantity of sweet hay, in view of distending the stomach to a healthy capacity.

AGRICULTURAL DISCOVERY. - A Paris letterwriter states that a scientific gentleman discorered, two years ugo, embedded with some em-

balmed bodies, a species of wheat not then in chew their end. Yet food sufficiently bulky to existence. In the time of the early Gallickings effect the distension of the bowels is recovered a certain quantity of wheat was placed in the collins of embalmed bodies. Some of it was sown, and it yielded from s'vicen to twenty stalks to a grain, while there was an average twenty more grains in the head than in the orduary wheat. A considerable quantity of this ancient wheat was sayen on the government burn last fall. Great reports are received of its productiveness. The columny wheat of France is believed to be only a acgeneration of these ancient grain, deteriorated by reproduction.— This discovery takes France back fourteen cen-turies for seed wheat, and it is expected will put her in possession of one-eight more agriculturn wealth than she possessed before the discovery.—Hoston Journal.

REFUSE STRAW, &c., FOR COMPOST.—When we commence the business of economising in one department, we are generally incited by the highly gratifying results which reward our efforts, to extend our experiments to other departments. This has been the case with me; and will, I have no doubt, be found to have been the case with every person who has succeeded, even tolerably, in the farming business. I had remarked tout long straw, corn-stalks, and mendow-hay, when thrown into the compost-heap, were very slow in decomposing, and that it appeared to re and, in no small degree. the decomposition of the ingredients. attributed to the Lose, unconsolidated manner in which it necessarily remained for a long time after the materials to be mixed and massed together; for, notalthetanding air is essential to the patrefactive process, yet it is so only to a certain extent; too large a supply, noting very much the same as too large a supply of water, which has a preservative effect, even mon badies naturally the rost fermentable. conclude that both straw and corn-stalks when used for this purpose, would be much some reduced if eat into pieces so small as to attent of their being in some measure incorporated with the other stuff of the heap. This was done and about in, if a ton of specied cornbuts and refuse rye-straw cut up and mixed with a quantity of other materials-muck, green weeds, forest mould, and about one cord of soil which had been taken from beneath a building where I was constructing a cistern. ported, the decomposition was much hastened by this process, and was perfected in a much scorter period of time even than I had anticipated. Without becoming too compact, the heap was eatherently soloi to bring every piece of the corn-stalks and ryc-straw in contact with the more moist constituents of the mass, while they served to keep open the pores, and insure the due filtration of water through the heap.

FATTERING ANDIALS. - Substances in which the nutraneut is much concentrated should be used with care. Their is danger especially when the an in il is first put to feed, that more may be eaten at once than the digestive organs can manage Meal of Indian cora is highly nutritive, and when properly fed, causes animals to fatten faster than almost any other foed. They will not, however, bear to be exclusively kept on this racle for any length of time. Meal made from the heaviest varieties of coin, especially that grown in the morthern and eastern States, is quile too strong food for earlie, sheep, or horses to be full-fed upon. Hence one of the advantages of having the cob ground with the corn, by which the correspond to different through a by which the nutriment is diffused through a greater bulk, lays lighter on the stomach, and is more thoroughly digasted. The effect of pure corn meal on animals we suppose to be similar to that sometimes produced on our own species by the use of fine wheaten flour-the subject becomes dyspeptic, and is forced to use bread which has the bread mixed with the flour. The mixture of the cob with the corn answers the purpose of bran- the health of the animal is preserved, and the process of indigestion goes on uninterruptedly. In fact, the advantages of grinding the cob and corn together for feeding cattle may be said to be well established. lings, the benefit of the cob is not, we think, so evident; those animals appearing to be better adapted to taking their nourishment in a con-centrated orm than those which ruminate or

effect the distension of the bowels is necessary for hogs.

1600 000 000

Hay or straw cut into lengths so short as to be tendily mixed with meal answers a good pur-pose in tendering the meal easy of digestion; and in emoling the animal to extract all the

The conclusion arrived at from the result of The conclusion arrived at from the result of a series of experiments, flustituted by the High-hand Society of Scotland, a few years ago, was, that the superiority of cooked over, uncooked food for cattle is but trifling, and not sufficient to balance the cost; but for hogs, the extra cost preparation was repaid.

The appetite and health of the animate meromoted by giving a variety of food: This fact has led to the preparations for fattening, stock. For lattening hogs we have used, with advantage, the following mixtures: 1. Two parts pointoes and two parts punkins: boiled-

parts pointoes and two parts pumkins; boiled together until they can be easily mushed fine, then add one part meal, stirring and mixing intimately together. The heat of the potators and punkins will seeld or cook the meal, and when cold, the mixture will be a stiff pudding. 2. Two parts of pointees and two of ripe palatable. niples (either from corn; barley, or oats and-peas, allowing the same weights); and mix to-gether while the potatoes and apples are hot.

Hogs are more foud of food when it is slight-

ly fermented (not becoming pungently sour), and they appear to latten faster it it is given to them in this state. We have never seen hogs thrive faster than when fed on these mixtures; with occasionally a little dairy slop; and we have always found the pork solid and of good quality."

THE ARTIC SHIP RESOLUTE.-We learn from a letter in the Boston Advertiser, written to H. Grinnell, Esq., by his son, now in England, that the passage across of this interesting ship was very rough and boisterous, a continued gale, oftentines blowing almost a hurricane; but by great care and watchfulloss, and an excellent crew, they arrived at Spithead in safety though they were very near being lost off the Seilly 18lands, and in fact everybody on board believed. that their fate was sealed. A turious gale had been raging, which suddenly censing left a very heavy sea. This, with a current of 22 is known was setting the ship on the coks. heavy sca. This, with a current of 21.65—knots, was setting the ship on the ...cks.—Every one on board expected destriction, but they were saved by a miracle as it were. A light air springing up, every stitch of canvass was set, and after an hour of most anxious suspense, during which the rowel bravely held her own, the wind freshering enabled them towork off the shore. Her she struck, Captain Rarsteine thinks that of a life could have been

New York, Jan. 8. The Tribune correspondent says the appointment of Mr. Villiers, as minister from England, ment of Mr. Villiers, as minister from England, was not formally announced in England, but it is indoubted. Mr. Dallas writes privately that the change of intention was not occasioned by the appearance of the ship Resolute, although there is reason to believe that the preparations of this Government to dispatch her, and the character of her mission, produced much impression on the English Official Council. It is the intention of the Administration to reciprocate in every proper way the attentions manifested to Captain Hartstein and his associates. fested to Captain Bartstein and his associates, who are soon to arrive in a British war steamer. Instructions will be issued to receive her with proper saintes at the New York navy yard, and the officers will be invited to Washington to bewelcomed by the hospitality of the President and Cabinet.

The Quebeo Gazette of the 6th says that about six o'clock last evening a fire broke out in the shipyard of W. G. Russell, Esq., Point Levi, which consumed a splendid vessel in the course of construction; together with the workbops connected with the shipyard.

THE CANADA-MILITARY GAZETTE is printed and published by Danson Kenn, at his office, cor-ner of St. Paul and Nichelas streets, Ottawa