

THE SHEEP FOLD.

Long-Wooled Sheep.

Too little attention is given to the merits of long-wooled sheep. They produce not only excellent mutton, but very heavy fleeces of a quality of wool that is in prominent demand.

I see by your paper that the long-wooled mutton sheep have not been represented of late by any of your correspondents, and now, when that kind of mutton is beginning to be appreciated, and worth more in market than beef, I do not see why they should not be brought more prominently before the public.

The Cotswolds have been very popular in England for more than half a century to my knowledge, and the Cotswold ram sales have averaged from \$50 to \$75 per animal for every year since 1830 to the present time, showing plainly that such mutton is appreciated there, and the breed a popular one.

Those called Leicester in Canada, are more like Lincoln; the majority of them have the clean white face, long ears, and more curly wool of that breed.

Wool-Growing a Success.

We are asked why wool-growers do not fail as other men sometimes do. We answer simply because the growth of the wool, and the increase is as perpetual as the time in which they live.

Not so with other business. The mechanic or the man who works for salary has nothing to grow while he sleeps; when his labor ceases his income stops, and his expenses are perpetual.

AMERICAN WOOL PRODUCTION.—During the past three years, the great increase in the importation of wool, as well as the improvements made in the manufacture of shoddy, have had a tendency to render unprofitable the raising of a fine grade of wool at home.

foreign wools was 50,000,000 more than in 1870 and in 1872 the increase was 70,000,000 pounds more. It is to be hoped that this and succeeding years will show a change in the tendency.

THE DAIRY.

Deep and Shallow Setting of Milk.

Mr. D. N. Farrand, of Morrystown, writes to the Vermont Farmer that intending to adopt the deep pans or pails for his whole dairy, he engaged a supply which reached him when in so great a hurry in haying that only one-half of the pails were set, consequently the milk of every other day had to be put in the old-fashioned pans.

Weighed the milk, set one day in pails, the next day in pans, and so on for six days; then churned, and weighed the butter. In the second trial there was one more morning's than night's milking; in the third, one more night's than morning's milk.

To make a pound of butter it took in first trial: with pails, 27 pounds of milk; with pans, 25 pounds. In the second trial: with pails, 25 pounds, 13 ounces; with pans, 24 pounds, 10 ounces.

Washing Milk Dishes.

I was somewhat exercised in mind by directions I lately read in a farmer's paper for washing dishes. The writer bids us wash our milk-pans, etc., first with boiling suds, then rinse them in boiling water, and then "wipe them with a damp cloth."

FACTORY BUTTER.—The butter now made in factories uniformly brings a higher price than the butter made by farmers, and simply because it is better.

WHAT IS SAID OF BUTTER.—When a wholesale dealer is questioned as to the proportion of really fine butter he receives in his consignments, he replies "five per cent." A larger proportion than this comes to market as grease.

RHEUMATISM.—A correspondent asks us to publish "some of the best cures" we know of for rheumatism. We don't know of any specific for that complaint.

HOME AND FARM.

Roads and Road Making

There are but few duties performed by town or municipal authorities which are more important than making and keeping in repair the common highways. It is a duty, we are sorry to say, sadly neglected in many sections of the country; and in some localities the matter of road making is regarded as of no importance whatever.

Velocity and Motion.

It is of eminent importance that farmers should have a more perfect understanding of the strength of the materials of which their implements are made, and the most economical and effective velocity for the moving of different parts of complicated machinery.

GREASING BUGGIES AND WAGONS.—Greasing buggies and wagons is of more importance than some imagine. Many a wheel is ruined by oiling too plentifully.

THERE is a great knack in husking corn, and some men's hands and strong, horn-like thumb nails are peculiarly adapted to rapid work.

INCORUSTATION OF BOILERS, &c.—Of all the appropria of industrial chemistry, this is perhaps the greatest, and numerous and no less ingenious than unsuccessful have been the appliances to that end successively announced, tried, and discarded.

MISCELLANEOUS.

Invention.

After the increase in the value of labor, we have as causes of invention—first, the progress of civilization; second, the increase of trade and commerce; and third, the spread of warfare.

Combination in Machines.

It is surprising, says our able cotemporary, the Artisan, when we come to analyze machine arrangements to find how much skill and inventive talent has been expended in the combination, or aggregation, of functions in machines, without adding to their efficiency, or even cheapening their cost.

The combination of several functions in a single machine presents to the unskilled the highest grade of novelty, and as all know, the distinction between novelty and utility is exceedingly difficult to understand and define.

As a rule, a combined machine gives employment to but one attendant, and represents but a single machine while operating; its other functions being idle while only one is active.

COMBINATION MACHINES are useful in certain exceptional cases. If one man can perform all the machine operations in a small shop, or all the irregular jobs in a large shop, and a combination machine is so arranged as to cause no loss of time in changing from one operation to another, then such a machine may be used with advantage.

NEW METHOD OF PREPARING CAUSTIC SODA.—The crude lye is evaporated in cast-iron boilers. At a certain heat the cyanides contained in the paste mass are decomposed, with escape of ammonia and decomposition of carbon.

Fruit Without Flowers.

At a meeting of the Academy of Natural Sciences, Philadelphia, Mr. Thomas Meehan presented an apple, which was borne by a tree at Kittaning, in Pennsylvania, and which tree never produced any flowers in the popular acceptance of the term; but always yielded an abundance of fruit.

Our American Horror of Cheapness.

There exists in our poor human nature an absurd but almost universal tendency to appear other than what we are. The summer idlers are already beginning to return from their vacations, and, when they are slapped on the back by a friend with kind inquiries as to their holidays, half of them begin to reply by an explanation why they did not go to Newport or Saratoga.

THE phosphorescence of the sea is due to two kinds of causes, one being the light emitted by certain living creatures which have the faculty of becoming luminous—a faculty incidental to the discharge of their vital functions; the other being the light given out of the bodies of the same creatures while undergoing the process of decomposition.

STEAM AS AN AUXILIARY.—The increased price of coal in England is causing the reiteration of the question of the use of steam as an auxiliary power in ships. A writer in Iron says: A vessel for a long voyage should be of the following dimensions:—Length, 330 feet; breadth, 40 feet; depth of hold, 24 feet; with accommodations for passengers, officers and crew on deck, and a pair of direct acting engines placed in the after part of the vessel, below the main deck, capable of working to about 150 horse-power, with boilers to maintain a steam pressure of 60 pounds per square inch.

NEW METHOD OF PREPARING CAUSTIC SODA.—The crude lye is evaporated in cast-iron boilers. At a certain heat the cyanides contained in the paste mass are decomposed, with escape of ammonia and decomposition of carbon.