

## Miscellaneous.

### Novel Application of the Sewing Machine.

The old country farmer, from his moist climate, and the large amount of manure he uses, both artificial and ordinary farm-yard manure, has more straw than he knows what to do with, and he also has more crops than he can think of putting entirely under roofed buildings. Consequently, the stack yard is to be found on every farm, containing a greater or less number of stacks of grain, beans and peas, and of hay, although generally there is a considerable amount of hay stacked near to its place of growth. But all these stacks are thatched with straw, and thus rendered completely weatherproof. The stacks of wheat, beans and peas, are only thatched on the roof, but barley, to prevent staining, is often thatched down the sides as well. The thatching bill in a large farm varies from £15 to £35 sterling annually.

Good thatchers are scarce, and some use more straw than others. Mistakes in the work happen, and then great destruction of the grain follows, for besides that which is absolutely lost, the sample of the whole is injured, and consequently reduced in price. In order to meet these difficulties, some ingenious person adopted the plan of constructing a large sewing machine, with large needles, sufficiently strong to carry good sized tared yarn, and of length enough to reach through the required thickness of straw. These machines put in two or more rows of stitching along the middle of a belt of straw, and at one end also in some cases. The straw is laid on a frame or table, and supplied in a continuous belt to the machine. The needle work alternately, so that one of them goes through the piece of straw stitched up by the other. The straw thus stitched together is rolled up in large rolls, and applied to the roof of the rick. The lower roll is put on first, all round the lower part of the roof of the rick, until the circuit is complete. The second row overlaps the first, covers over the stitches, and keeps them dry, the loose ends of the straw always overlapping. The mats or belts of straw are fastened on in the usual way, by pegs or spars stuck into the body of the roof of the rick, and thus the operation is effectually and quickly completed without the necessity of any specially skilled labour. Fifteen hundred feet superficial waterproof thatch can thus be made by hand power per hour; no doubt, when carefully taken off, it will last for more than one season.

### Henry Ward Beecher on Interest.

No blister draws sharper than the interest does. Of all industries, none is comparable to that of interest. It is day and night, in fair weather and foul. It has no sound in its footsteps, but travels fast. It gnaws at a man's substance with invisible teeth. It binds industry with its films, as a fly is bound in a spider's web. Debts roll a man over and over, binding him hand and foot, letting him hang upon the fatal mesh, until the long-legged interest devours him. There is but one thing on a farm like it, and that is, the Canada thistle, which swarms

new plants every time you break its roots, whose blossoms are prolific, and every flower the father of a million seeds; every leaf is an awl and every branch a spear, and every plant like a platoon of bayonets, and a field of them like an armed host. The whole plant is a torment and a vegetable curse and yet a farmer had better make his bed upon Canada thistles than attempt to lie at ease upon interest.

### Building Lime.

As it is often of considerable importance to those who may wish to use lime for any of the purposes for which it is available that they should be able to distinguish a good article from that which is of inferior quality, we shall describe briefly a few of the common tests by which good lime may be distinguished from that which is poor. Of two pieces of lime about the same size, the heavier will usually be the best. There are a few marked exceptions to this rule, but in general it will afford trustworthy indications.

Good lime is greasy and unctuous to the touch; poor lime is dry and gritty; when good lime slacks in water it falls quickly, causes the water to boil up furiously, and gives out a great quantity of heat. The slacking of poor lime is attended with but a slight boiling of the water, and a small increase of the heat; moreover, the quantity of water required to slack good lime will be nearly one half its bulk. Good lime, when slacked, will swell to twice its original bulk, and if exposed to water continually changed, the lime will all be taken up without leaving any residue. Poor lime, when slacked, will swell to two and a half times its original bulk, and there will always remain a gritty residue, no matter how much water may be run over it.—*Am. Engineer.*

## Advertisements.

### WANTED

Boys, Young Men and Middle-Aged Men to train for Fall and Spring Business for the different cities, at the oldest, largest and only practical Business College and the only one providing situations for Graduates. Send for Catalogue of 3000 in business. Bond and Tuition \$100. H. G. EASTMAN, LL.D., Poughkeepsie, N. Y. v2 10-21-est.

### THREE MONTHS FREE!

*Tilton's Journal of Horticulture.*

15 Months for \$1 50!

*Tilton's Journal of Horticulture.*

15 Months for \$1 00!

*Tilton's Journal of Horticulture.*

15 Month for Nothing!

*Tilton's Journal of Horticulture.*

15 Months for Nothing.

AND A SPECTACULAR PREMIUM GIVEN FOR TAKING IT!!

*Tilton's Journal of Horticulture.*

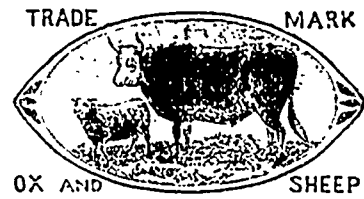
THREE MONTHS WILL BE GIVEN FREE to all who subscribe now for 1871, and by sending one will get FIFTEEN MONTHS FOR \$1 50.

FIFTEEN MONTHS FOR \$1 00. By making a Club of Ten, each member receives Fifteen Months for \$1. FIFTEEN MONTHS FOR NOTHING. Any one making up a Club of Ten, and sending to us before the publication of the next number, shall have ONE COPY FREE!

FIFTEEN MONTHS FOR NOTHING, AND A PREMIUM GIVEN FOR TAKING IT. Any one who will make up a Club of more than ten, and sending to us before the publication of the next number, receives One Copy Free and a Premium as per Premium List. J. E. TILTON & Co., Boston, Publishers.

25- A Sample Copy, Club and Premium Lists, will be sent to any address upon receipt of Fifteen Cents. v2 10-21

USE NONE BUT



THE BEST!!

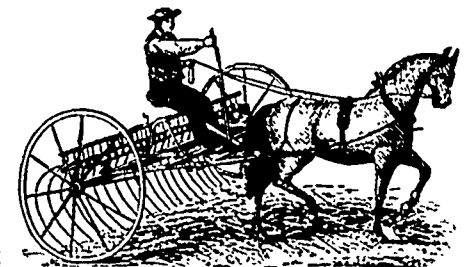
SOUPS AND BEEF TEA FOR THE MILLION.

STRENGTHENING Nourishment Economy In house keeping. J. MILHAU'S COMPANY'S EXTRACT OF MEAT, the same that received the highest prizes at Paris, Havre and Amsterdam, and that is supplied to the British, French, Russian, Prussian and other Governments. Note genuine without the signature of Baron Liebig, the inventor, and of Dr. Max V. Pottenkoler, delegate on every jar. J. MILHAU'S SONS, Company's Agents, 181 Broadway, New York. For sale everywhere v2 9-4

### THOROUGH BRED STOCK FOR SALE.

100 HEAD SHORT HORNS, male and female, all ages, including some fine Bull Calves, HERFORDS, DEVONS AND ABERDEENS; LANCASHIRE, COISWOLD AND SOUTHDOWN SHEEP, including some fine Rams and Ram Lambs, BLESSING AND STAFFORD. Address v2 9-21 J. MACRELLAN, Yorkville P.O., Ont.

**VINEGAR.** HOW MADE FROM CIDER. Wine, Molasses or Sorghum, in 10 hours, without using drugs. For circular address P. I. SAGE, Vinegar Maker, Cromwell, Ct. v2 9-121



### Steel Tooth Sulky Horse Rake

Will do more work, easier, cleaner, and better than any other. Does not gather dust in the hay. Will rake over rougher ground. Is light and strong, well-made and nicely finished. The teeth are fine spring steel, independent of each other, and will yield to pass obstructions. Took first prize at the Provincial Fair, London, 1869. For testimonials, &c., send for circular. As our manufacture for 1870 is limited, orders should be sent at once.

Responsible Agents Wanted in every County. J. V.

JAMES SOUTAR & CO.,

Foundry and Agricultural Warehouse,

v2 4-46.

Chatham, Ont.

### NEW ARRANGEMENTS AND GREAT INCREASEMENTS.

Wishing to give more attention to the raising of bees and queens, I offer the following inducements till the close of the coming Provincial Fair.

To any person sending \$3.1 I will send my single boarded hive with improved entrance, price \$3, or an individual right, price \$3, and my dollar book on bee culture, soon to be published; tickets will be sent for the book. For \$5, both hive and right, or an Italian queen, and the book. For \$10, or the highest bid above that during the next six weeks, a township right and the book. For \$12, or highest bid above that, a township right, one hive, and the book. For \$400, or highest bid above that, a right for the entire Province of Quebec, with the exception of two or three counties that are sold, this right is worth \$2,500. For \$200, or highest bid above that, I will sell a patent for a Self-acting Huggy Hub, lately introduced, specimen carriage to be seen at Brooklin, Ont.; this patent is worth \$2,000. Sale of townships not to interfere with sale of hives upon the above conditions.

J. H. THOMAS,

2-5-46.

Brooklin, Ont.

### FOR SALE,

SIX high bred, Young Short Horn Bulls, one by an imported Crown Prince of Athelstan (21,512), 5,487, the others by the Imported Pure Blood Bull, Knight of St. George, (26,544), 5,472.

D. CHRISTIE,

v2 8-41.

Paris P.O., Ont.