

two-horse team. The lot was then planted with corn. The stalks were of but medium length, but the ears were uncommonly large and well filled. The next two seasons their owner planted it with potatoes, and at a time when every other potato patch in its vicinity showed unmistakable symptoms of the rot, in decayed and decaying tops, the vines in the ashed lot were of a deep green, and grew with great rapidity in size and length. All may not derive benefit from such a practice, but in our own case and experience, we have found the application before spoken of an excellent one for potatoes in the hill, and also when applied at the time of the first and second hoeings.

C. M. SEXTON & Co., 152 Fulton street, New York, propose to reprint from the English edition, *Davies' Devon Herd Book*. It contains the pedigrees of some thousands of Devon cattle, both of England and America. The pedigrees of American herds contained in the English edition will be corrected and extended, where the editor has, from knowledge, the means, or where breeders and owners will furnish the means to do so. An appendix will be added, containing authentic pedigrees of American Devon cattle, not included in the English edition. To this end they request the co-operation of breeders and owners, by forwarding their pedigrees immediately, postage paid, to C. M. SEXTON & Co., New York. Those who will furnish cuts of portraits of their animals, and pay the cost of paper and printing, can have them inserted.

This work is indispensable to every breeder of Devon cattle in America, and must be possessed by them if they would understandingly pursue their business. Breeders can afford to take a large number of copies to distribute to their customers and the public, as advertisements of their herds. The American edition will be edited by the Hon. AMBROSE STEVENS, editor of "Youatt and Martin on Cattle," "Youatt and Martin on the Hog," etc., etc.

DRAIN TILE AND PIPE MACHINE.—It is with much satisfaction that we direct the attention of our agricultural friends, and through them of the brick-makers of the Province to the machine for moulding drainage and sewerage materials, invented by Mr. CHARNOCK, the well known English drainage engineer, and patented by him in Canada. We should have expressed our opinion of this machine earlier, but we desired first to have an opportunity of carefully examining it; and now that we have done so, and seen the substantial manner in which it is being got up by one of the best machinists in this city, under the immediate superintendence of the patentee, we can speak with the most unqualified confidence of its perfection for the purpose intended—and a most important purpose it is for the agricultural progress of this country. The operation of the machine is beautifully simple and effective, moulding the pipes and other articles (for it makes all descriptions of building materials, such as bricks, flooring tiles, ridge tiles, &c.) with a perfectly smooth surface inside and out, and with the clay stiff enough to retain its moulded form. The principle adopted is that of *extruding*

the clay by direct and uniform pressure through dies of the several required shapes, and which are readily changed for any kind that is wanted to be used. As the articles are moulded, they ride out on an endless self-acting wheel and are thence cut into the required lengths by a fine wire stretched on a spring-bow, which keeps it at the proper tension, and makes a clean severance. We are the more anxious to make the merits and advantages of this machine known, because we find that the patentee has already had several inquiries about it from parties who wish to procure it, in consequence of having seen the advertisement of it in the *CANADA FARMER*, an evidence of usefulness which it shall be our best endeavor to extend. From the several high testimonials which the patentee has shown us from practical tile-makers and others in England, where the machine is in very extensive use, we select the following report of the judges at the great Yorkshire Agricultural Exhibition, at which the special prize of £10 sterling was awarded to this machine:

"**TILE MACHINES.**—As a special prize of £10 was offered for this class alone, no small interest was excited in the respective performances of these machines, and the judges gave them their especial care and attention. The prize was ultimately awarded to Mr. CHARNOCK, and the decision rested on various grounds. In the first place it required less power in working than any of the other machines; its cost was less; and by it, as it appeared, tile could be made cheaper. It was also of simple construction, and therefore less liable to derangement. It was made entirely of iron, and of a convenient and portable form."

A NATIONAL SHEEP SHOW.—The Wool-Growers' Association of Western New York will hold a National Sheep Show, at Bath, on the 29th, 30th and 31st days of May, 1855. The payment of one dollar enables any one to become a member of the society.

PREMIUMS ON FINE WOOL SHEEP.

FIRST CLASS.—Sweepstakes Pen, best 10 fine wool ewes \$75. Best fine wool buck, over two years old, \$50; 2d do., \$40; 3d do., \$30; 4th do., \$20; 5th do., \$10.

Awarding Committee.—Wm. Wheeler, Wheeler, Steuben Co.; Hector Hitchcock, Conesus, Livingston Co.; L. Monier, Naples, Ontario Co.

SECOND CLASS.—Best five ewes with lambs, fine wool \$30; 2d do., \$20; 3d do., \$10. Best five ewes two years old, \$20; 2d do., \$15; 3d do., \$10.

Committee.—Alex. Arnold, Avoca, Steuben Co.; Wm. D. Dickinson, Victor, Ontario Co.; — Chilson, Pavilion, Wyoming Co.

THIRD CLASS.—Best five ewes one year old, fine wool \$20; 2d do., \$15; 3d do., \$10.

Committee.—Solomon Hitchcock, Conesus; Calvin Ward, Richmond, Ontario; — Galentine, Rush, Monroe Co.

FOURTH CLASS.—Best buck two years old, fine wool \$30; 2d do., \$20; 3d do., \$10. Best buck one year old, fine wool, \$20; 2d do., \$15; 3d do., \$10.

Committee.—Loomis Bunce, Milo, Yates; C. D. Champin, Urbana, Steuben; Nathan Squires, Penn Yan, Yates.

No sheep will be allowed to compete for more than one premium, except in the fifth class.

FIFTH CLASS.—Best single ewe, fine wool, \$10. Best 3 ewes, fine wool, \$15.

Committee.—Daniel Gray, Wheeler; Wm. A. Cook, Lima, Livingston; G. H. Wheeler, Wheeler.

This class may be drawn from any of the foregoing pens.