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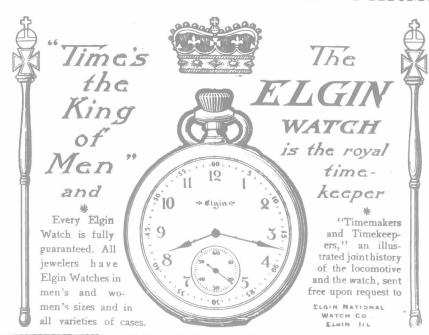
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GOSSIF.

At the Royal Counties Show at Bournemouth, England, on June 19th, a one-day butter test was conducted, in which only Jersey and Guernsey cows competed. The first-prize and gold medal in Jerseys went to Dr. Watney's Oxford Ixia 3rd, who at six years old, 124 days in milk, gave 31 lbs. milk and 2 lbs. 1 oz. butter; ratio, lbs. of milk to lbs. of butter, The second-prize Jersey cow, seven years old, 113 days in milk, gave 39.4 lbs. milk and 2 lbs. 1 ozs. butter. The first-prize Guernsey cow, six years old, 76 days in milk, gave 38 lbs. 6 ozs. milk, and 1 lb. 131 ozs. butter. The second-prize cow, ten years old, 49 days in milk, gave 47.9 lbs. milk and 1 lb. 14% ozs. butter.

In April, Mr. Andus King, of Lefroy, Ont., bought from Mr. Arthur Johnston, of Greenwood, the capital young Shorthorn bull, Royal Derby, of the famous old Kinellar Bessie tribe, one of the purest and straightest bred Scotch tribes in the great Kinellar herd. Royal Derby was sired by the imported Cruickshank Secret bull, Derby, and his dam was Bessie Lady, by the imported Golden Drop bull, Royal Prince, grandam Bessie Girl, by the imported Cruickshank Brawith Bud bull, Craven Knight, great grandam Imp. Bessie Lass, by Mr. Wm. Duthie's well-known bull, Banner Bearer There are few pedigrees recorded in any herdbook equal to the above, and the bull, Royal Derby, will do credit to his

The American Jersey Cattle Club has issued a beautiful album in ooze calf St. Louis, 1904," containing in 103 pages the portrait and official record of each of the cows in the Jersey herd, which participated in the six-months' test at the Louisiana Purchase Exposition. The price of this beautiful souvenir of the cow demonstration of 1904 is \$1. The American Jersey Cattle Club has also issued a very complete and handsomelyillustrated pamphlet, entitled "The Dairy Cow Demonstration at the Louisiana Purchase Exposition," in paper binding, containing in 72 pages the portraits and official records of the Jersey cows in the St. Louis test. Either of these may be obtained from Mr. J. J. Hemingway, 8 W. Seventh St., New York.

As an illustration of the practical value of a dairy cow, the London Livestock Journal publishes the record of a Red Polled cow named Hester, which died recently at eighteen years of age, and who yielded during her lifetime over 50 tons, or quite one hundred times her own weight, in milk, having given in one year 10,766 lbs. She was also a prizewinner at local shows for several years in succession. From three to eighteen years she was a prolific breeder, often producing two calves within the twelve She was seldom dry more than a fortnight before calving, sometimes for only a few days. Of thirty-five pedigree Red Polls sold by auction by her owner, thirty were her descendants, and all of the sixteen cows and calves retained in the herd trace to this same cow.





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QUESTIONS AND ANSWERS. Miscellaneous.

#### REGISTERING CLYDES.

I have a draft filly, with four crosses of registered Clydesdale stallions in her breeding. To whom should I apply for information and terms of registration? J. C.

Ans.-Write Mr. F. M. Wade, Department of Agriculture, Ottawa, who is registrar, and will furnish the needed information.

#### THE LAW RE DEHORNING.

A New Brunswick correspondent en-"Is there any law against dehorning? Can the Society for Prevention of Cruelty to Animals take action against any one for dehorning cattle? Have been cautioned by members of that society not to do so."

Ans.-There is no New Brunswick law covering this matter, except that in a law entitled "Respecting the Society for the Prevention of Cruelty to Animals " it refers to section 512 of the Criminal Law of Canada, but we understand that the construction put upon it by the courts is that dehorning, if done in a proper manner, is not considered to be a criminal act or finable. As a matter of fact, it is more humane to dehorn than not to dehorn. The operation is not inhuman, nor more painful than some other operations that are considered necessary for the hest interests of stock-breeding, such as castration and docking lambs.

#### BLACK APHIS.

Last week there was left at our office by a Middlesex County subscriber a stalk of curled dock, bearing a swarming cluster of small, lustreless black insects, identified as species of the black aphis, a sucking insect, which is abundant upon all kinds of vegetation. In this case there were two kinds, one winged, the other wingless; the former, it may be observed, lay eggs, the latter kind produce living young. Both kinds are enormously prolific, as a single aphis may produce thousands of young in a very few days. They are injurious to vegetation, sucking the juice from tender shoots, and when they occur on useful or ornamental plants means should be adopted to combat them. They have, of course, many natural enemies, including certain species of caterpillars and the grubs of the syrphus and laced-winged flies, which destroy myriads of them. Artificial measures are, washing the plant with strong tobacco water, or spraying with kerosene emulsion. stream of water from a hose will also knock off a great many. Cherry or plum trees badly infested should be sprayed with kerosene emulsion.

### BLASTING STUMPS.

Can any reader that has had experience in blasting pine stumps tell us what success he made of it? I have run a stump-puller for years, but now labor is so high it does not pay, and as there are still a lot of large pine stumps, about three and four feet, what is the best way to dispose of them? OLD SUBSCRIBER. Durham, Ont.

Ans.-In the "Farmer's Advocate" for Nov. 15th and Dec. 1st, 1900, appeared letters from men who claimed to have had considerable experience in blasting large stumps with dynamite, and would not return to more primitive methods of removing them. The requirements are a dirt auger, 1 to 2 inches in diameter, with shank about 5 ft. long; a wooden tamping rod, a fuse cutter and cap crimper Sink the hole till slightly past middle of stump, then insert dynamite and ram tightly to the bottom. This applies only to the first that goes in. The last cartridge with the cap and fuse attached must be inserted with care, and pressed gently home, after which the hole is filled up with sand or dirt, taking care not to tamp it too much till 4 or 5 inches away from cap. The amount of dynamite varies from 1 to 3 lbs., according to nature of soil and size of stump, and the cost of blowing out stumps from 10 to 25 cents each. The materials may be had from any large hardware house. The advantage in blasting with dynamite is that the stumps are generally torn to pieces, so that they can be readily handled for hauling away or piling to burn.

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