Butter Making in Holland

The struggle for the British butter and, generally speaking, it can truthfully be said that in the better class butters, the European competitors butters, the European competitors have had the best of the fight. Of course such results have not been attained without great efforts, and Can-adian readers will be interested to hear what has been done in Holland to foster and encourage the industry.

Cattle breeding has always been the principal feature of Dutch agriculture, but during the last twenty-five years increased attention has been said to be butter industry. paid to the butter industry. paid to the butter industry. The low corn prices seriously affected the growing of cereals, compelling far-mers to replace them by fodder crops. It is remarkable to find that in a small country like Holland the number of cattle is 1,646,856, of which 967,492 are milch cows. There are no fewer than 324 head of cattle to every 1,000 acres of land under grass or crops, hence
it will be readily seen to what a large
extent stock figures in the Dutch
farming economy.

The first butter and cheese factory

was opened in 1879 and this was a private venture, but at a later date private venture, but at a later date co-operative production came to the front and at present it predominates over individual enterprise. The trans-ier of butter making from the farms to the factories has much contributed to the improvement of the quality of Dutch butter. Government assistance Dutch butter, Government assistance and care was taken that all necessary information was available.

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The government experiment stations, of which there are at present five with a technical staff numbering 27, made numerous experiments in connection with cattle feeding and milk production. Lectures were given milk production. Lectures were given by government teachers of agriculture with a view of pointing out to owners of cattle what important advantages could be secured by proper breeding, by the cultivation and pur-chase of the most suitable feeding stuffs, and by rational feeding.

It is estimated that the export of butter now amounts to 17½ million kilos (a kilo is 2.2 lbs., English) to Great Britain, 7 to 8 million kilos to Germany, and 3½ million kilos to Belgium. The export to England takes place via Harlingen, Rotterdam and Amsterdam, while that intended for Germany, France and Belgium is, of course, forwarded by rail, consagrance of the constant of the control of t It is estimated that the export of beechwood casks containing about 50 kilos (100 lbs) of butter, also in tubs, cases and boxes containing butter in rolls of ½ kilo or small pats of various weights. Butter intended for tropical climates is packed in air tight tins. It appears that the mode of packing formerly in vogue (double asks separated by salt) is gradually disappearing.

Again as the butter itself is concerned it is forwarded both fresh and
salt. France and Belgium take almost exclusively fresh, Germany
chiefly fresh, whilst England and
Scotland receive slightly salted butter. Although a great deal of butter
is sold to order or through agents,
large quantities are forwarded by way
of consignments. The co-operative
factories especially dispose in this
way of their produce in Englan which
all supplied with steam power, the
most modern machinery is used. The
custom of pasteurizing both the
cream and the skim-milk is fairly gen-

eral and this vastly improves the quality of the butter at certain periods of the year. In order to make a product that will keep in the warm season, a great many factories have ice-houses attached, which, however, of late years have been replaced by refrigerating and ice-making machinery. In dealing with the milk, all kinds of centrifugal systems are used. Especially in those provinces where no half cream cheese or skim cheese is made, a practically complete separadically complete separadically. no half cream cheese or skim cheese is made, a practically complete separ-ation of the cream is aimed at and it may be said that as a rule hardly one-tenth per cent. of fat remains in the separated milk. In ripening the cream pure cultures are largely used. No matter what care is taken in the

manufacture of the butter, it is neces-sary to protect it from adulteration before it reaches the desired and iteration before it reaches them before it reaches them before it reaches them before it reaches them before it reaches the before it reaches the second in the seco

the honest butter producer, it has not succeeded in putting a stop to adulteration and this has given rise to butter control stations, which are under government direction and inspection. The control is of a continual and stringent nature, and is of such a nature as to practically guarantee the quality of the butter produced at the factories under its again. HWS. d at the factories under its aegis.

New Use for Skimmed Milk

New Use for Skimmed Milk
Mr. Richard Guencher, of Frankfort, describes a newly-invented milkstone, or petrified milk. It is manufactured in the following manner: By
a chemical process the case in is precipitated as a yellowish brown powder, which is mixed with formaline.
Thereby a hornlike product is formed, which, with various admixtures,
forms a substitute for horn, turtle
shell, ivory, celluloid, marble, amber,
and hard rubber. Handles for knives
and forks, paper-cutters, crayons, and hard rubber. Handles for knives and forks, paper-cutters, crayons, pipes, cigar-holders, seals, marble, stone ornaments, and billiard balls are now made of skimmed milk. The insolubility of "galalith," as it is called, its easy working, elasticity, and proof against fire, make it very desirable. Already 20,000 quarts of skimmed milk are daily used for this purpose in Austria.—The Dairy.

Big in Milk and Butter

The imported Guernsey cow Hayes Rosie, 15476, holds the year's record for both milk and butter in the adfor both milk and butter in the advanced registry of the American Guernsey Cattle Club. During the year ending March 31st, 1904, she gave 14,633.08 lbs. of milk, which yielded 714.31 pounds of butter fat yielded 714.31 pounos of butter fat-equivalent to 831 lbs. of butter. Hayes Rosie was imported from Guernsey in the fall of 1902. She had been a noted prize winner at the important English shows. She consumed, dur-ing the year of test, 2,518 lbs. of sborts, 602/5 lbs. oil meal, 667 lbs. cluten, 2,232 lbs. of carrots and man-gels, and 1,322 lbs. of carrots and man-gels, and 1,322 lbs. of carrots under the forenoon of each day in summer.







twelve months and produce more butter with eight cows than is produced under the Lern. Don't delay purchasing be-cause you think that later on you will be able to get this or that imrovement or reduction in price. You are losing You are losing from \$5 to \$10 with every month's delay. Free trial to intending purchas

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