

PATENTS FOR FARMING INVENTIONS

the spreading of trace elements from helicopters and planes, and with the creation of artificial rain by "cloud seeding."

Better Equipment Wanted

New implements for soil tilling, contour ploughing, or the harvesting of difficult crops such as subterranean clover seed are being tried, and still better equipment is wanted. Improved farrowing houses, new methods in combating infectious diseases (for example, mastitis treatment), or better bird scarers will find a ready market.

In America plant breeders take advantage of their patent act by

applying and being granted protection for many new species of plants, provided the latter can be propagated vegetatively.

It will be apparent that in a country like New Zealand, where the overwhelming portion of the national income is derived from the work of and contributed by the man on the land, progress and efficiency of the primary industry must to a large extent be dependent on the use made of the latest inventions and developments in that field. This becomes even more important as world conditions return to normal, as competition in a far-

away market is getting keener every day, and last but not least, as better and cheaper synthetic fibres and fats are produced in increasing quantities. The primary industry will no doubt take up the challenge and the inventive genius of the farming community find the right answers. To help in this direction "The Journal of Agriculture," in co-operation with the New Zealand Patent Office, will publish a monthly abstract (the first of which appears on the preceding page) of a selection of the latest inventions accepted in New Zealand which are thought of particular interest to primary industry.



GRADING POINTS FOR EXPORT BUTTER AND CHEESE

Leading Factory Averages for Year Ended July 31, 1949

Contributed by the DAIRY DIVISION.

BUTTER-MANUFACTURING companies which obtained an average grade of 93.75 points or more and cheese-manufacturing companies which obtained an average grade of 92.75 points or more during the year ended July 31, 1949, are listed below in order of merit. Of the total listed 22 butter and 20 cheese factories are in the North Island and 7 butter and 12 cheese factories in the South Island.

Creamery Butter

Company	Registered number	Brand	Tonnage graded	Average grade points	Grading port
Westland ..	145	Westland	436	94.470	Lyttelton
United ..	1296	Whariti	237	94.304	Wellington
Inter-Wanganui ..	6	Inter-Wanganui	236	94.279	Lyttelton
Wairoa ..	1345	Wairoa	119	94.277	Hastings
Konini ..	1203	Konini	699	94.248	Wellington
Karamea ..	1570	Karamea	278	94.217	Lyttelton
Rodney ..	394	Rodney	664	94.143	Auckland
Golden Bay ..	146	Sovereign	679	94.109	Wellington
Rangitikei ..	1360	Rangitikei	612	94.072	Castlecliff
Kaikoura ..	302	Kai	301	94.070	Lyttelton
Collingwood ..	1254	Golden Hills	302	94.048	Wellington
Wangaehu ..	1326	Wangaehu	440	94.030	Castlecliff
Kuku-Manakau ..	905	Ohau	364	94.006	Wellington
Awahuri ..	664	Red Rose	775	94.002	Wellington
Murchison ..	1888	Airship	196	94.001	Lyttelton
Taihape ..	1188	Tikapu	149	93.960	Castlecliff
Mangorei ..	345	Mangorei	1059	93.922	New Plymouth
Matakana ..	1375	Matakana	562	93.912	Auckland
Tarurutangi ..	728	Champion	205	93.900	New Plymouth
Uruti ..	300	Uruti	217	93.897	New Plymouth
Cheltenham ..	3	Pakeha	1264	93.866	Wellington
Te Aroha-Thames Valley ..	344	Overseas	2408	93.838	Auckland
Kia Ora ..	926	Kia Ora	606	93.830	Gisborne
Levin ..	910	Lake	1095	93.801	Wellington
N.Z. Dairy (Ngatea) ..	291	Anchor	1716	93.794	Auckland
Maungaturoto ..	1407	Otamatea	2272	93.781	Auckland
Tolaga Bay ..	1007	Tolaga Bay	185	93.770	Gisborne
Rata ..	938	Rata	607	93.767	Wellington
Kairanga ..	1768	Longburn	615	93.766	Wellington

Cheese

Company	Registered number	Brand	Tonnage graded	Average grade points	Grading port
North Taranaki (Onaero) ..	723	Flax	152	93.134	New Plymouth
Brydone ..	1821	Brydone	367	93.133	Bluff
Kaupokonui (Ka-puni branch) ..	1629	Kaupokonui	441	93.078	Patea
Wright's Bush ..	206	Wright's Bush	314	93.030	Bluff
Waverley ..	1834	Oturi	443	92.984	Patea
Glenham ..	1484	Glenham	191	92.953	Bluff
Tamaki ..	1463	Bell	432	92.919	Wellington
Eltham (Rawhiti-roa) ..	1036	Eltham	517	92.905	New Plymouth
Oteramika ..	813	Oteramika	260	92.903	Bluff
Awarua ..	545	Awarua	416	92.902	Bluff
North Taranaki (Waipapa) ..	212	Flax	510	92.901	New Plymouth
Normanby ..	24	Steering Wheel	1031	92.891	Patea
Mataura ..	38	Mataura	485	92.878	Bluff
Dalefield ..	9	Dalefield	1092	92.861	Wellington
Okato-Puniho (Puniho branch) ..	48	Okato	549	92.841	New Plymouth
Lower Valley ..	322	Lower Valley	152	92.821	Wellington
Bell Block ..	488	Bell Block	544	92.813	New Plymouth
Brooklands ..	1619	Brooklands	331	92.808	New Plymouth
Ngairi ..	25	Triumph	864	92.795	New Plymouth
Tuturau ..	132	Tuturau	75	92.794	Bluff
Otamita ..	17	Otamita	55	92.789	Bluff
Oxford ..	15	Oxford	409	92.786	New Plymouth
Kahui ..	493	Kahui	221	92.782	New Plymouth
Cape Egmont ..	632	Cape Egmont	1588	92.778	New Plymouth
Greytown-Wairarapa ..	529	Greytown	801	92.774	Wellington
Pembroke ..	234	Pembroke	540	92.772	New Plymouth
Cardiff ..	10	C.C.C.	683	92.770	New Plymouth
Morton Mains ..	1604	Morton Mains	214	92.770	Bluff
Mokotua ..	67	Mokotua	215	92.764	Bluff
T. L. Joll (Ka-puni branch) ..	1668	Maori Chief	1022	92.761	Patea
Tisbury ..	701	Tisbury	242	92.757	Bluff
Wyndham ..	59	Wyndham	444	92.752	Bluff