

## ROOT AND GREEN FORAGE CROPS . . .

being distributed for the coming sowing season is as follows:—

**THOUSAND-HEADED KALE:** over 90 per cent.

**SWEDE:**

Superlative Grandmaster Crimson King Caldor	} all 90 per cent. or better
Resistant 88 per cent. Sensation 85 per cent.	

**YELLOW-FLESHED TURNIP:**

Green Top Yellow Soft Green Top Yellow Green Resistant Purple Top Yellow Purple Resistant 85 per cent.	} all 90 per cent. or better
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**WHITE-FLESHED TURNIP:**

Green Globe Red Globe Purple Globe	} all 90 per cent. or better
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All packets of Government-approved turnip and swede seeds being distributed to retailers this season carry the identification letter V.

### Grass Seed Crops

Applications of sulphate of ammonia at closing time appreciably increase yields of grass seed crops. An increase of about 3 bushels per acre may be expected for ryegrass from an application of 1cwt. of sulphate of ammonia, and some trials have shown an increase of 7 to 8 bushels from 1½cwt. Cocksfoot fields for seed which are not normally grazed benefit to an even greater extent from sulphate of am-

monia topdressings. In this crop yields have been increased by 140lb. through the application of 1cwt. of sulphate of ammonia in the autumn and a similar dressing in the spring.

### Trace Elements

Officers of the Extension Division have observed that some farmers are experimenting with applications of trace elements to pastures. The danger of doing so without informed advice is very real. Application of sodium or ammonium molybdate to soils already well provided is likely to render pasture poisonous to stock. Similarly ill-advised application of copper sulphate can result in stock mortality. Both zinc and manganese can be poisonous to plants. No experimenting with trace elements should be carried out without the local Instructor in Agriculture being consulted first.

## Preventing Heifers from Turning in Bail

**M**ANY farmers experience some difficulty during the spring months in breaking in heifers to the milking shed. There is a tendency on the part of heifers to turn round in the bails, with the result that there is a general upset in the shed and much interference in the milking routine. A solution to this problem has been worked out by Mr. A. W. Hodder, of Waipapa.

A 10in. x 1in. board about 3ft. long is shaped as in Fig. 1 and

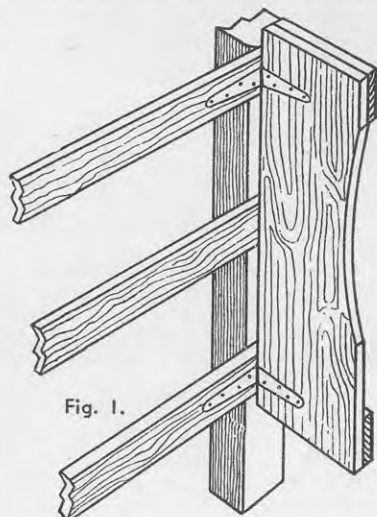


Fig. 1.

braced top and bottom with 2in. x 1in. timber. The board is fastened to the side of the dummy by strap hinges. After the heifer has been bailed in the normal way the board is swung into position (Fig. 2), making it impossible for the heifer to get her head past the head of the dummy.

When the heifer is released in the normal manner the board swings back alongside the dummy, being pushed there as the animal moves forward (Fig. 3).

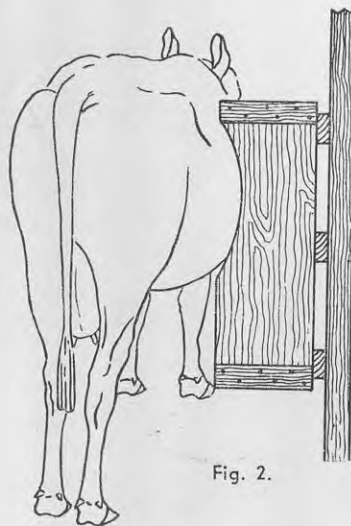


Fig. 2.

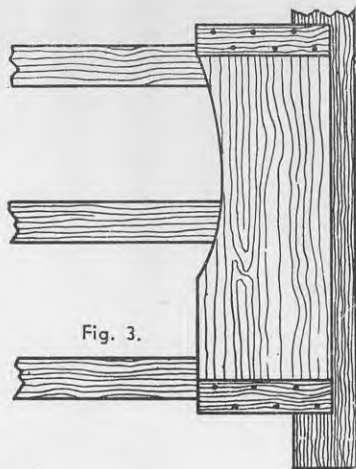


Fig. 3.

—C. CORP, Farm Dairy Instructor, Department of Agriculture, Kaikohe.

## SHOW DATES

**T**HE following are dates and venues of A. and P. shows up to the end of December.

- October 14—Ellesmere A. and P. at Leeston.
- \*October 18 and 19—Hawkes Bay A. and P. (spring show) at Hastings.
- October 21—Rangiora A. and P. (centennial show) at Rangiora.
- October 26, 27, and 28—Waikato A. and P. at Hamilton.
- October 27 and 28—Marlborough A. and P. at Blenheim.
- October 27 and 28—Wairarapa and East Coast P. and A. at Carterton.
- \*October 28—Timaru A. and P. at Timaru.
- \*November 2—Ashburton A. and P. at Ashburton.
- November 4—Amberley A. and P. at Amberley.
- November 7 and 8—Thames Valley A. P. and H. at Te Aroha.
- \*November 8, 9, and 10—Canterbury A. and P. (Royal Centennial Show) at Christchurch.
- November 10 and 11—Wanganui A. and P. at Wanganui.
- November 10 and 11—Whangarei A. and P. at Whangarei.
- November 15—North Otago A. and P. at Oamaru.
- November 17 and 18—Auckland Metropolitan A. and P. (spring show) at Auckland.
- November 17 and 18—Nelson A. and P. at Nelson.
- \*November 17 and 18—Egmont A. and P. at Hawera.
- November 18—Waimate A. and P. at Waimate.
- November 18—Bay of Islands P. and I. at Waimate North.
- November 18—Taieri Agricultural Society at Outram.
- November 21 and 22—Otago A. and P. at Dunedin.
- November 24 and 25—Stratford A. and P. at Stratford.
- November 25—Kaikohe A. P. and H. at Kaikohe.
- November 25—Kelso A. and P. at Kelso.
- December 2—Winton A. and P. at Winton.
- December 2—Motueka A. and P. at Motueka.
- December 2—Tokomairiro A. and P. at Milton.
- December 2—Whangaroa A. and P. at Kaero.
- \*December 5 and 6—Gore A. and P. at Gore.
- December 9—Wyndham A. and P. at Wyndham.

\* The Department of Agriculture exhibit will be staged at this show.