

N or O can be run through directly into the shed; also by swinging gate 24 to meet gate 7 or 8, sheep may be run into the shed from either half of the outer ring of the yards.

Estimates of Quantities and Costs:

No. 6 Plan

Fences

	ft.
Length of outer ring fence ..	475
Length of inner ring fence ..	360
Length of other internal fences	546
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Length of all fences (excluding gates)	1,381

If five 4in. x 1½in. rails are used for fences, a total of 1381 x 5 = **6905 lineal feet** of this timber will be required.

Crush and Race

End panels of the crush on both sides are close boarded with single-dressed 6in. x 1in.'s = 16ft. x 6 = **96 lineal feet**.

Sides of race are close boarded with single-dressed 6in. x 1in.'s = 28ft. x 6 = **168 lineal feet**.

♦ If drafting gates and race stop-gates are constructed of double-dressed 6in. x 1in. timber, add **84 lineal feet**, plus **48 lineal feet of 4in. x 1in.** (dressed) for stiles.

Gates

If common swing gates are constructed, the following timber will be required:—

For 19 x 10ft., 2 x 9ft., 12 x 8ft., 9 x 6ft., 4 x 5ft., and 2 x 4ft. gates a total of **2379 lineal feet of 4in. x 1in.** timber for stiles and stays of all gates, and rails of gates under 7ft., plus **1520 lineal feet of 4in. x 1½in.** timber for rails of gates 7ft. or wider.

Posts

A total of 226 posts will be required and of these at least 53 require to be heavy enough to act as gateposts.

Costs

The same general remarks apply as for No. 1 Plan.

Timber

super ft.	in.	in.	At per 100 super ft.	£	s.	d.
3511	4	x 1½	£2 10 ..	87	15	6
809	4	x 1	£2 10 ..	20	4	6
174	6	x 1	£2 10 ..	4	7	0
226 posts at £38 per 100			..	85	17	7
Approx. 1050 ¾in. x 3½in. to 4½in. black bolts and nuts at average of 15s. per 100 7 17 6						
Approx. 1050 ¾in. washers at 2s. 9d. per gross 1 0 0						
51 pairs of hinges and gudgeons at average of 7s. 6d. per pair 19 2 6						
Estimated cost				£226	4	7

Sundries

As for No. 1 Plan.

* If drafting gates are constructed on the laminated principle (3 layers) to give a flush, smooth finish, a total of 120ft. of 6in. x 7/16in. finish dressed timber will be required instead of the 42ft. of 6in. x 1in. and 24ft. of 4in. x 1in.

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Quick and Effective Method of Fencing off Haystacks



By A. V. ALLO, Instructor in Agriculture, Department of Agriculture, Tauranga.

IN most cases farmers fence stacks to protect them from stock, and the erection or dismantling of fences takes time. A very simple and effective method of fencing stacks is used by Mr. R. Benner, of Pongakawa, in the Te Puke district.

Mr. Benner has found that by using home-made hurdles for the purpose considerable time and energy can be saved. The hurdles are 11ft. to 16ft. long and were made of 6in. x 1in. tawa which was dipped in a mixture of equal portions of tar and creosote. They are 3ft. 6in. high and have 3 lengthwise boards spaced 6in. apart, the bottom board being 12in. off the ground. Each corner is bolted to two end boards, one of which is 3ft. 6in. high and the other 2ft. 6in.

To erect the fence steel standards, to which the hurdles are fastened with wire, are driven into the ground at each end of the hurdles. With an oblong stack a standard is placed between each pair of hurdles, but with a round stack 3 standards suffice. Posts can be used instead of standards if desired. It took 15 minutes to erect the fence shown in the illustrations and dismantling can be done even more quickly.

It has been shown that this system of fencing off stacks is absolutely cow-proof, and the fence can be opened up anywhere when the stack is being fed out. This enables advantage to be taken of the wind.

The hurdles can be put to many other uses; they make easily erected docking pens with wire netting lightly stapled on the inside. The practical farmer can easily visualise many advantages in having these hurdles available at any time. They can be made in winter on wet days and they are an asset on any farm.

