

No. 4 Plan

The main feature of No. 4 Plan (medium yards to handle about 1000 sheep) is that with the race and gates shown sheep can be drafted six ways. Of course it may be asserted that this is quite unwarranted in a yard of this size, but it is included to show the general arrangement required.

The gates 35, 36, and 37 give 4-way drafting and by stationing a second man at the gates 31 and 32 sheep may be drafted off two additional ways into pens J and K. If a simpler set of yards is required, gates 31, 32, and 36 may be omitted, giving normal 3-way drafting. In this case the division between pens N and O would be eliminated and they would be joined into one large pen holding 220 sheep. If it is felt that this would be too large, the end of the yard could be moved in a little to give smaller drafting pens.

Another and in some ways a better method of arranging for 3-way drafting is to retain gate 36 but to hang it about 3ft. 6in. further back in the position shown dotted in on the plan. Then the free end of this gate will swing over to the fence on either side (just behind the gateposts of 35 and 37) so that when it is fastened one way sheep may be drafted into pens M, N, and P; and when it is fastened the other way they will go into M, O, and P. Should the farmer decide to follow this arrangement in the first instance, it will be advisable to have the gateposts of 35 and 37 somewhat closer together than as shown for 4-way drafting.

Another useful feature is the provision of the two alleyways I and L. These serve as right-of-ways connecting the various pens and greatly facilitate the moving of sheep. They may also be used as lead-ins to the woolshed and the dip where this can be arranged conveniently. As an

alternative a small concreted section could be closed off by gates and could be used as a foot-rot bath or for feeding a foot-rot trough outside the yards.

The small gates 21, 22, and 23 in the crush pen, though by no means essential, are a great convenience in moving odd sheep around.

Estimates of Quantities and Costs: No. 4 Plan

Fences	ft.
Length of outer fence	428
Length of fence round diamond	43
Length of other internal fences	533
Length of all fences (excluding gates)	1,004

If five 4in. x 1½in. rails are used for fences then a total of 1004 x 5 = 5020 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 = 17ft. x 6 = 102 lineal feet.

Sides of race are close boarded with single-dressed 6in. x 1in.'s = 30ft. x 6 = 180 lineal feet.

* If drafting gates and race stop-gates are constructed of double-dressed 6in. x 1in. timber, add 120 lineal feet, plus 60 lineal feet of 4in. x 1in. (dressed) for stiles.

Gates

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

For 4 x 10ft., 1 x 8ft., 26 x 6ft., 3 x 4ft. 6in., and 4 x 2ft. gates a total of 2197 lineal feet of 4in. x 1in. timber for stiles and stays of all gates, and

rails of all gates 7ft. and under, plus 240 lineal feet of 4in. x 1½in. timber for rails of gates 7ft. or wider.

Total timber (lineal feet): 5260 of 4in. x 1½in., 2257 of 4in. x 1in., 402 of 6in. x 1in.

Posts

A total of 180 posts will be required and of these at least 45 require to be heavy enough to act as gateposts.

Cost

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

Timber*

super	ft.	in.	in.	At per 100 super ft.	£	s.	d.
2192	4	x	1½	£2 10	54	16	0
753	4	x	1	£2 10	18	16	6
201	6	x	1	£2 10	5	0	6
180 posts at £38 per 100					68	8	0

Approx. 740 ½in. x 3½in. to 4½in. black bolts and nuts at average of 15s. per 100 ... 5 11 0

Approx. 740 ½in. washers at 2s. 9d. per gross ... 14 3

43 pairs hinges and gudgeons at average of 7s. 6d. per pair ... 16 2 6

Estimated cost ... £169 8 9

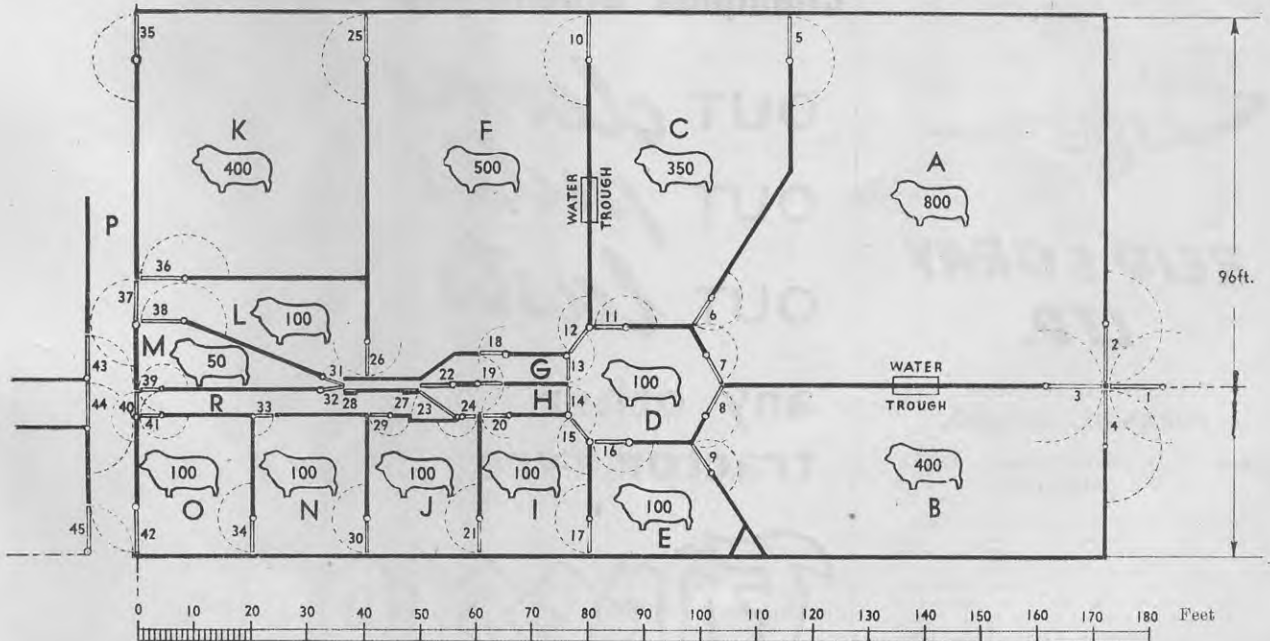
Sundries

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.

No. 5 Plan

No. 5 Plan (large yards to handle 1500 to 2000 sheep) is suitable for large flocks, but there are features incorporated in it which could be included with advantage in smaller designs.



No. 5 Plan: To handle 1500 to 2000 sheep