

pipes in this box; the one coming in has the float on, the other goes out into drinking troughs.

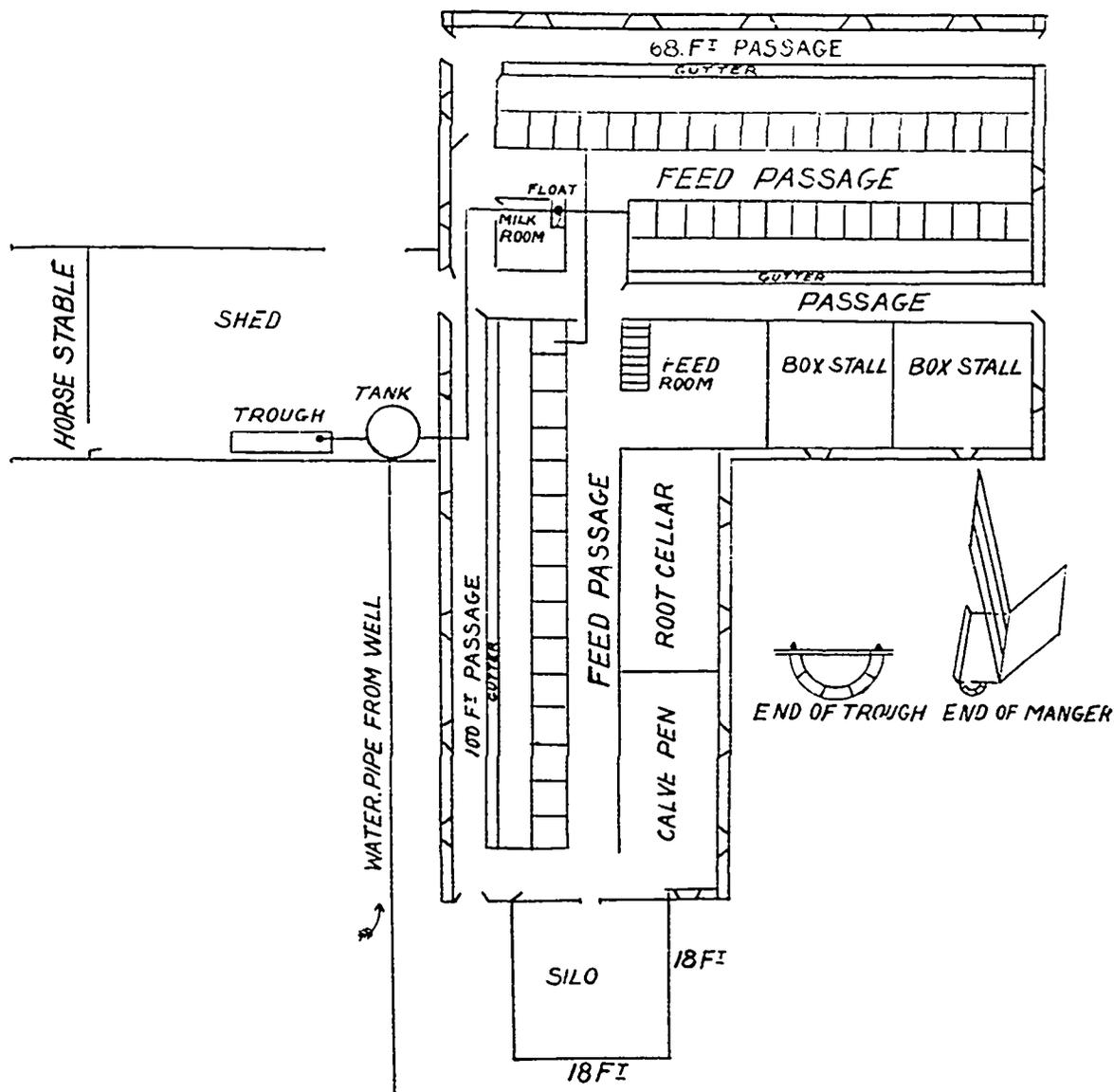
The troughs are made of $1\frac{1}{2}$ inch pine staves as shown on diagram, and there are iron hoops every two feet which are made of $\frac{5}{8}$ round iron with a good long thread on each end, and a piece of wood is put across the top of trough, which the ends of the hoops are passed through and tightened down with nuts. When putting trough together all end joints should be broken and the inside of the trough should get a good coat of pine pitch. It should also be covered to prevent dirt getting into it. A small part of the cover should be hinged so that the cow can lift it with her nose to drink.

An upright pipe is put on in a convenient place in the stable with a tap on it for getting a pail of water when needed. A rubber hose with nozzle is also made to be

CHEAPER PRODUCTION.

The annual address of the president, Mr. D. Derbyshire, Brockville, Ont., carefully reviewed the work of the past year. An important point touched upon was that of cheaper production, of which he spoke as follows:

"Probably the greatest problem before us at the present time is cheaper production, and if our patrons are to make money this problem must be studied. Manufacturers and all business men are studying this subject most earnestly, and our dairymen must. If we could only get our patrons to do as well as two or three of the best patrons sending milk to each factory in our country are doing, it would add millions of dollars to our dairymen; or if we could by any way get our patrons to grade up all their cows to give as much milk as one or two of the best they now have, what an advancement it would make! It is all-important that



Plan of Stables of R. Malcolm, Kinloss, Ont., showing system of conveying water to his stock in the stable.

attached to the tap for damping the feed, which is an excellent plan. We have had the water in front of all the nattle for three or four years, and would not be without it cow for several times the cost.

Eastern Dairymen Meet

The twenty-third annual convention of the Butter and Cheese Association of Eastern Ontario took place at Madoc on Wednesday, Thursday and Friday of last week. The attendance was good, and close attention was paid to what speakers had to say on the important subject of dairying.

we increase the quantity of milk furnished to each factory in our whole country, and to improve the quality as well, and I believe the patrons should be brought together at least once a month, have a large blackboard, with each patron's name on it, and put opposite each name the quantity and quality of milk furnished by each, and discuss the matter fully, how each feed, and get every patron interested, and you will find that your patrons will go to work as they never did before. Discuss cheaper production, improving the stables, building silos, and every matter pertaining to the business, and you will be rewarded. We must get at the man that makes the milk and encourage him, and you will see 1900 the greatest season in the history of our dairy business in this province."