

Stable Conveniences Reduce Labor

An Investment Pleasing to Hired Help

W. O. W., Elgin Co., Ont.

LABOR-SAVING conveniences are like love. They are never properly appreciated until experienced. Ours is a dairy farm and I blush to mention that, for many years we got along with inconvenient and almost unsanitary stables just to save money. As labor became scarcer and wages higher, we began to question if we were saving money. One thing was certain—the hired men who had coming and going didn't like doing chores in our stable, and it was one factor that made hired help difficult to retain. Finally, some four years ago, we went to work and spent \$1,000 in improving our stables. The interest on this \$1,000 at five per cent. is \$50. Allowing depreciation at the same rate, we have another \$50, or our improvements represent an annual cost of \$100. I am confident that we have this returned to us in increased milk flow alone. For profit we have the many hours of labor saved, the fertility that was formerly lost through the old plank and earth floors and more satisfaction with hired help.

As I have mentioned, the floors of our old stables were a combination of plank and earth. Our first act was to pull out the old flooring and stabling completely. We hesitated long over the purchase of steel equipment. In fact, the cementing of the floors was held back while we considered this investment, which seemed a best one. When, however, we called in a carpenter and got him to estimate on the cost of lumber and labor for the construction of wooden partitions, mangers and chain ties, we found that the sanitary and convenient steel equipment was almost as cheap and promised to be more durable. We sent in our order and have never regretted our decision. There is only one part of this modern equipment the value of which we question—the galvanized swinging partitions in the mangers. These may be necessary where some cows are fed a heavy meal ration when on test and other cows not at all, but we found them to be more or less of a nuisance and after one season's use did away with them. The rest of the equipment, however, has been a source of unending satisfaction.

Water Bowls Pay 100 Per Cent.

Probably the most profitable addition to our new stables was the water system with individual water

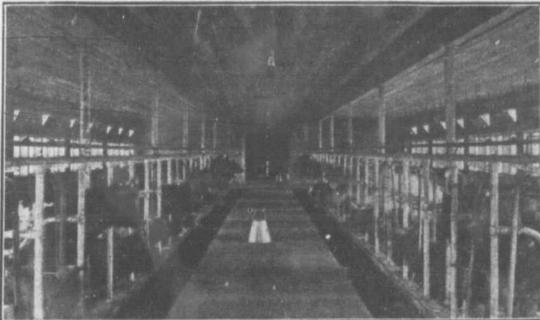


Absolutely the Latest Thing in Implements.

This is a small garden tractor designed for the use of farmers in working small holdings. The engine develops four and one-half horse power. It may be used for belt power as well as tractor purposes.—Photo by an Editor of Farm and Dairy.

bowls in front of all the cows. We estimate that the increased milk flow due to a constant supply of water, as compared with watering once daily, will repay principal and interest every 12 months. The entire cost of the system was only about five dollars per cow, including storage tank, float tank and all connections and that means only about 200 lbs. of winter milk per cow, or an increase of one pound per day during the winter season. We know that we got more than this. Cleaning the stables, once the daily hougher, is now a cinch and a 12-year-old boy can manipulate the litter carrier and hinks its fun. The litter carrier, also running on an overhead track, can be run right up to the silo door if necessary and the feedage handled just twice, from the silo to the carrier and from the carrier to the cows. Two loads will feed the entire herd and every time I push that carrier along I think regretfully of the years that I lugged a 1-to-3-bushel basket of ensilage down that same feed alley, almost breaking my back in the operation; for on this farm the feeding is never left to the hired help.

There are other improvements also. In the frame wall to the south side of the stable we have about one-third of its length in window glass. The end walls are of masonry construction, and here we have the windows grouped together, two of them nine feet long and three feet deep. A coat of whitewash



In the Stable of a Progressive Dairyman on the Pacific Coast.

A. E. Dunville, in the Chilliwack Valley of British Columbia, has a stable equipped with practically every convenience known, and at least one that he has invented himself—a device for handling eight-million milk cans. All the buildings are lighted from the own generating plant, which also furnishes the power to operate his four-unit milker.

equipped with a spray pump once or twice a year, keeps our stable light enough to work in without lanterns for a half an hour to an hour later at night than was the case in the old stable. Our latest improvement just put in two years ago, is a combination of the rubberford and King systems of ventilation designed by the firm from which we purchased our steel equipment.

Our stable is now a cheerful, convenient place, in which to work and a comfortable place for the cows. I must not forget to mention that the hired help (just one man now, and glad to have him), thoroughly appreciates the fact that chores are easier done in our stable than in any other stable in the district, and this in itself is worth a lot.

Milking Machine Investment

Dairy Farmers Give Their Experience

I REGRET every confidence in my milker and do not regret having spent the money. Its upkeep is little. I do not recommend it for a man who has less than 10 cows of the average run. Most of my 12 head must be milked three times daily when fresh and the milker saves me time. It works well on all my cows. I have one that has had a caked bag. When fresh, she gives 75 lbs. of milk per day. It takes 40 minutes to milk her by hand. The machine does it in 10, so you see that it paid me to get the machine for this cow alone.—C. L. Jordan, Lambton Co., Ont.

We have been using the milking machine for nearly four years and have no fault to find with it. The cows take to it very kindly. I find no bad effects from using it. The cows keep up the flow of milk just as good and better than the average hand-milking. We find it easy to operate, easy to clean and very simple to install. The upkeep of the machine is small. We have spent nearly \$10 in repairs in four years, it being for mouth pieces mostly. Our stable holds 37 cows and we usually keep that stable filled with fresh and nearly fresh cows.—J. E. Waring, Oxford Co., Ont.



A Tractor Attachment "on the Job."

The attachment here seen was drawing two ten-inch plows in a very dry clay loam, when caught by the Farm and Dairy camera.

Milks 100 Cows.

I have operated a milking machine of six units for the past four years. The original parts, valves, in fact, all the parts but the rubber parts are still in use and in good condition. The rubber portions lasted until about nine months ago. We have milked over 100 cows during that time. We use the herd bull in a tread power to operate the machine. This has cost us nothing but axle grease and, besides, keeps the bull in fine condition and temper. The machine is easy to operate, easy on the cows and the upkeep is small. Boys or girls are very efficient with it, but one should have a man to carry pails and do the heavy work.—Jho. W. Berry, New Westminster District, B. C.

We had used our three-unit milker for more than three years when, last fall, I extended my shafting to the other side of the stable and bought another unit. The milker does not milk the cows perfectly without hand stripping afterwards. As far as being easy to handle, I think it is very easy. In comparing it with a binder or manure spreader, I would rather teach new hired help to run the milker than either of these. In the time I have been using our machine, I cannot blame any udder trouble as due to a milker or cows going dry too soon. It is very easy to wash and for this reason is washed more frequently than if it was more complicated. Keeping any machine clean adds much to its efficiency. (Continued on page 50.)



"Striking Out" with a Tractor.

This illustration, from a photo by an editor of Farm and Dairy at the Toronto Tractor Meet last fall, shows the method of "striking out" with a 3-plow gang. Only the outside two plows are used.

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The Newma companying B and the good on the outside inside layout, stantial constru ties the whole Newman has a roof. The barn with the cows and the horses cows have that an necessary drying, and when their que they are at p hand, the horse quarians that t their busy time Besides the c stable, the g granary and fe ample room o storage of all sary for the h most pleasing structure is the milk house, w east side of the processes in the milk carried o numerous little makes this pl dairy farmers, their skill in t The barn is c

The Manger Cor