

Gasoline, Wind, or Both?

By F. E. Ellis.

"Come out and see my new station," called W. J. Cox, of Peterboro Co., Ont., over the phone. I accepted Mr. Cox's invitation. On the farm I found a splendid bunch of registered Clydesdale horses; certainly most efficient farm power. But what attracted me most was the arrangements inside the stable whereby Mr. Cox does most of his inside farm work by power furnished by a gasoline engine and a power windmill.

Mr. Cox had his eight horse power portable gasoline engine sitting to one side of the basement and directly in the stable. The cattle evidently were used to this somewhat noisy companion and paid no attention to it whatsoever. Running the length of the basement was a shaft on which were the pulleys that connected with the various pieces of machinery. This same shaft can be connected with the power windmill and either one or the other made to do the work as conditions suit.

of gasoline when running the separator, the root pulper, or doing some other easy work. I wouldn't give my lot more than I paid for it, providing, I couldn't get another, or for all the windmills between here and where they are made."

CHEAPEST POWER OF ALL

I started in to express my wonder that he kept the windmill in repair at all as a farm power when Mr. Cox hastened to add: "Mind you, I think the windmill is a fine power in its place. It is certainly the cheapest power we have and the best power we have for pumping water. There is hardly a day here but what there is enough wind to pump all the water we need for the stock and I value my 13 foot windmill highly for that purpose."

"How much would it cost a farmer to install an outfit similar to yours?" I asked Mr. Cox. He figured a while and at last gave the following estimate of his plant:



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At one end of the shaft and right next the root house, stood the root pulper, which was run by power. Right near it was the grindstone. Mr. Cox informed me that the windmill furnished sufficient power to run the grindstone, but he prefers to use gasoline for grinding in that it is steadier. The shaft of the next pulley ran up through the floor and connected with the straw cutter standing on the driveway. Mr. Cox believes in rolled straw for horses and a small oat roller was the next machine to take my attention; and it was followed in turn by a grain grinder.

"I have the slickest way out to run our cream separator," remarked Mr. Cox. "You will note that the last pulley on the shaft connects with a chain belt running to the separator room. We get a few cows milked connected with the separator and the job is completed without the usual headache."

"Note this pulley too," continued Mr. Cox. "Outside the window there is a buzz saw. We connect it up with our power and cut all our wood that way. Anyone who has bucked wood by hand-power will understand why we appreciate this part of our machinery."

"Do you consider this outfit a good investment?" I asked.

"Well rather," answered Mr. Cox. "I don't know whether I could farm without it now. Take that gasoline engine, for instance. When we work right up to its capacity it does not use quite a gallon of gasoline an hour and not anything like this quantity

Windmill complete, \$275.

Gasoline engine, \$500.

Shafting, pulleys, etc., \$50.

Total, \$825.

"You will note," said Mr. Cox, "that I have only wooden boxings for the shafts to run in. This would not be strong enough for continuous heavy work, but on the farm the engine is not in continuous requisition and the boxings are quite strong enough for any work that I, or almost any other farmer, would require to be done. I installed this whole outfit myself and hence my bill of expenses was reduced in that proportion."

Our Legal Adviser

POISONED WITH PAINT.—A large sign bore on my farm for which I receive \$2 in the field. Later, a cow took sick. We had been used for milking the paint near by the cattle. Another has since died. Have I a claim against the company for damages?—J. D. Chumby, Dist. Que.

The general principle governing these cases prohibits people from leaving poisonous material within reach of animals where they have a right to graze. In this case the poisonous material happened to be paint which was left within reach of your cattle, and those who have been guilty of this negligence are responsible to you for the damages sustained by you for death and illness of your cattle.



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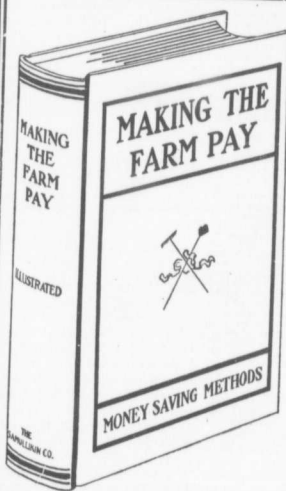
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