# Overcoming Bard Work by Machinery

Wash Day Made Easy in Two homes by harnessing the Gasoline Engine-The Churning Likewise.

WAS delighted recently as I chanced to call at the farm home of Mr. Jas. Currie, in Waterloo Co., Ont., one Monday morning - wash day-and found Mrs. Currie happily engaged at the weekly wash. I use "happily" advisedly, because her washing machine was being driven by the farm gasoline engine!

Just how the thing is accomplished in getting the power into the kitchen may be seen at a glance from the three illustrations reproduced herewith. One illustra tion shows the little power house, wherein is a small gasonine engine, which cost but \$95. From it to the left is a line shafting extending probably 80 feet to the well at the barn, where the pump furnishes water to both the house and the barn. From the right of the little engine house may be noted a rope transmission drive leading up to a window of the kitchen. Inside note the power attached first to the washing machine, then to the churn, both of which are set slightly sidewise in order that they might be photographed.

Most women folks have had experience at the old wash tub and with the washing machine; a great many are not unacquainted with the work of churning! All will appreciate just how much labor Mrs. Currie has been saved during the last five years through having her washing machine turned by the gasoline engine!

When so many women folks might just as well have all of their work of churning and washing done by means of power, I have often wondered just why it is that more of them do not insist that in the farm home they share in the labor-savers, which all progressive farmers are installing and would not do without in their barns!

At Mr Currie's, the only cash expense for this The equipment was for the gasoline engine. wheels are old ones that were available, or they were carved out of wood at home on the farm .---N. C. Campbell, Brant Co., Ont.

#### How to Make Wash Day Easy

H. Percy Blanchard, Hants Co., N.S. HAT handy little "chore boy" about the farm, the light power gasoline engine, is finding that it can work as well for the

ladics in the house as for the farmer himself around the farm. Passing by the valuable work the 1% h.p.

engine will do in the barn-running the cream separator, grinding roots, pumping water, etc .-the call comes for "Little Hustler" to move down

on Monday morning to the kitchen or the shed nearby, to oblige the ladies.

Everyone knows what Monday morning is, or used to be. It is "wash day" (accent on "day"), and all day at that. But not for us of late, thank you. "Little Hustler" does his little stunt, and long before dinner time

> the clothes are on the line. We first purchased an automatic washing machine. Care was taken to get with it a belt wheel that would suit the speed of the engine. We wrote, in ordering the washing machine, that we used a 1% h.p. motor.

INSTALLING THE MACHINE. The washing machine was first fastened firmly to the floor: then the engine align ed with it so the belt would run straight. This needs a machinist, or someone who understands. Once the engine is set, slats nailed around it to the floor will fix its position, and it can be removed and again put in place inside the slats with no trouble. A little powdered rosin on the belt prevents a slack belt slipping.

When wash day comes, the engine being in place, the tub of the washer is filled with clothes; a chunk of soap added, and boiling water poured in. The switch on the engine is closed, oiler turned up, a squirt of gasoline shrown into the air inlet. Then the girl in charge takes hold of a little handle and whirls the flywheel around, and then off starts the engine. It is all so easy that a young woman looks after the engine without any more question than running a carpet sweeper.

#### A WORK OF FEW MINUTES.

The engine started, a lever on the washer is pushed, and Wash day has been made easy in the home of Mrs. Jas. Currie, Durham Co., Ont. Churning too has been lightened by the proper hitching of the gasoline engine to this household task. How it is done is described in an article back and forwards a dasher begins to work in the tub, until in from five to 15 minutes the clothes are washed.

The dasher is now thrown out of gear, and the cover of tub lifted.

On the side of the washing machine is a wringer, also driven by power. A small lever controls the wringer so it goes forward, stops, or backs. With lever ahead, the clothes are lifted from the scalding water and steered through the wringer, the white clothes probably falling into a basin containing blueing water. When all are through, the cover is closed, the wringer reversed, and the white clothes wrung from the blueing water, and then carried to the line to dry. It is so guickly done! And not an effort that even the weakest might not put forth.

CONSERVING HOT WATER.

The cover of the tub being almost always closed, (Continued on page 27.)



A Source of Power for Kitchen Work Inside this decidedly unpretentious structure is th gasoline engine that runs the churn and washin machine and pumps the water for the Currie hems in Durham Co., Ont.

#### City or Country for Educatio

Mrs. Jas. Wilson, Halton Co., Ont. 7 HEN my husband announced, over a dozen years ago, that he had at last secured a small farm that just suited him, and that we would move to the country forthwith, I was in despair. I had been brought up on a farm and had an intense love for country life, but I was (earful of the effects of a country environment on my children. I placed great value on the educational opportun ities of the town. I placed too great value of the polish that town life seems to give to boy and girls.

My dozen years in the county have given me a new perspective and I have learned some great truths that I believe should make every country mother content. I have found that the best man or the best woman is the one that grows from the inside out and not from the outside in.

I don't refer to physical growth. I refer to mental, moral, and spiritual attainments.

The city boy as I remember him and as I still frequently see him, grows from the outside in. Right from babyhood he has plenty of playmates and is constantly brushing up against other children. Unconsciously the child imitates his or her playmates, is robbed of personality, and while the city child gains thereby a polish and readiness of tongue, it is at the expense of real development.

#### WHERE INITIATIVE IS DEVELOPED.

The country child must of necessity develop from the inside out. Playmates are few, amuse ments must be manufactured at home. Conse quently the child develops initiative, the ability to think for itself and do things for itself, and these are the qualities that make for success in the world.

I once heard an Institute speaker express the same idea in this manner. He compared child ren to rocks. Take a heap of rocks, he said, broken from the original boulder, and they an rough, irregular, and sharp-edged. Each rod has a shape of its own and characteristics of its own. Put those rocks in a box that is constantly revolving, and in time, by rubbing against ead other, all of the sharp edges and irregularities will be worn off. Each rock will be smooth, and each rock will be exactly like its fellow. w might say that they will lack personality.

There is the difference between my country boys and your country boys and most city boys

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Our boys hav own. So hay lacking in a c We country get that pers

children are there is under alities. In th most of the e Many were re manner and a

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Y husban book. I and pot house in groce myself and chil my husband giv if not, I go wi have it, I give has as much rig as the man .--- M

## A Tru Mrs. J. E.

AM glad tha the subject of pleased to g husband's, as his

Previous to m I had my own thought I would that would be m the matter, I to But that was not married me he to as partners we s said, "There is t I do not expect foolishly; but tal I saw his point of to me to live up That was year



Would That More Were Thus!

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