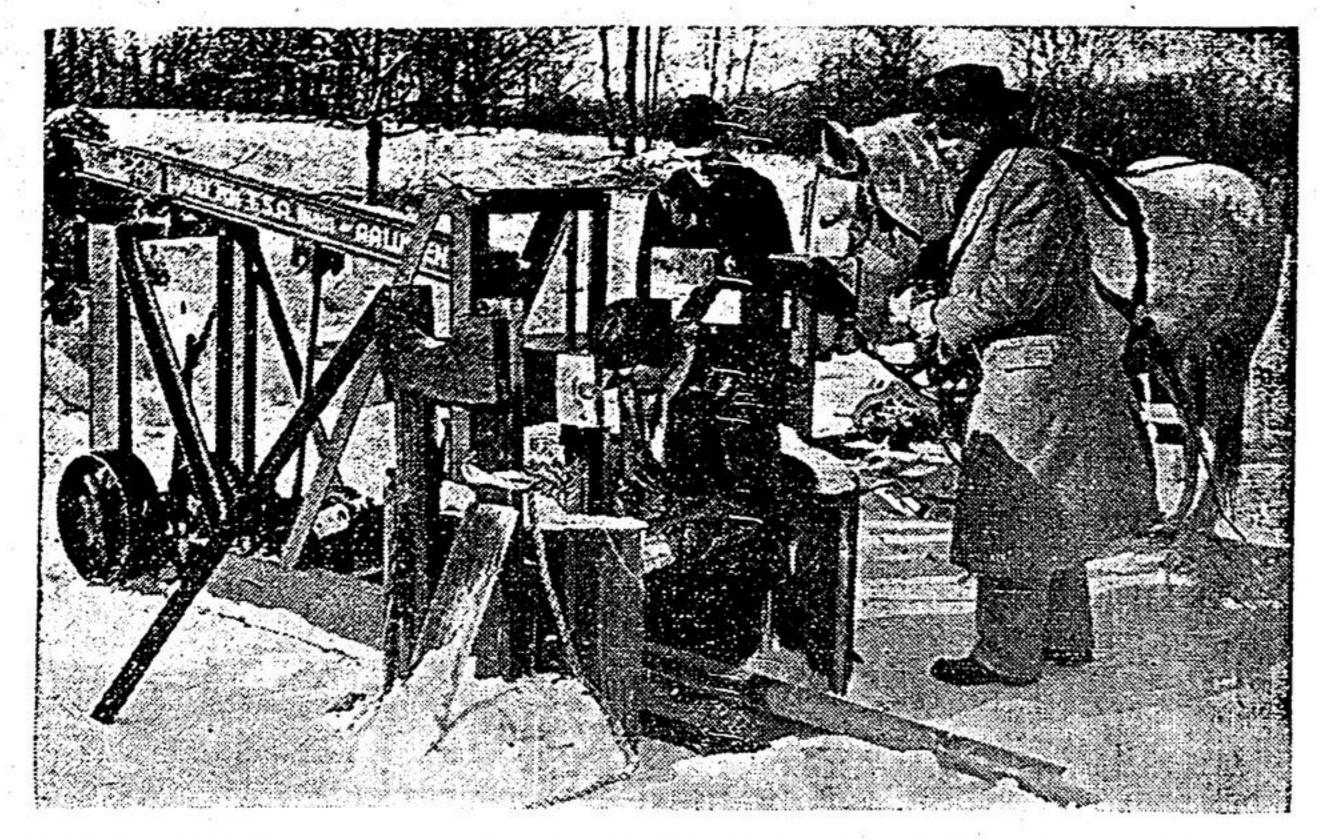
Whitchurch Farm Proving Ground For "Pumps for Punjab"



Especially designed pump is being tried on a Whitchurch farm to test its capabilities for

use in India. At right is F. A. Peter, missionary, engineer and designer of the pump. Stand-

ing with him is George Styles, sr., owner of the farm. (Telegram Photos)

A small farm in Whitchurch Twp.; been spotted as easily. near Pine Orchard, has been the One of the most stoical members well pump using the farmer's pair testing ground for a pump design of the party was Miss Elizabeth of bullocks as motive power. . Punjab, India.

deliberately designed, and built irrigation pump and shown to the time piece of machinery and finally that way, for almost without excep- backers of the Technical Services found one in fairly good shape and tion the average farmer in India Association and the Punjab govern- it was donated to the work of the knows nothing about machinery. ment with the idea of turning the mission by Mrs. J. Thompson of This is no electrically or gasoline-pump out on a mass production Alcona Beach. He then sat down at driven water life. The motive power basis. Miss Peter has been associat- his drawing board and designed a is something familiar to most ed with her brother in the mission compact tube well pump keeping every older farmer in Ontario-old- work for some years. fashioned "horse power."

for the Punjab" is a bit more com- of many parts. He studied theology what similar to those used in oil plicated and it started over 7,000 in England, obtained an engineer- fields, but much more compact. His miles away, when F. A. Peter, ing degree on the Continent, and main problem was the heavy lift associated with Missionary Society also studied medicine in Europe. from 200 feet through a four-inch of the Church of England in Can- Knowing that something had to be tube but he got over this by having ada, reasoned that no man on the done for the Indian farmer, he was the weight of water in the tube verge of starvation could be very largely responsible for interesting balanced by a dead weight at one receptive to religious teachings.

from the Ontario Research Founda- by the Anglican mission. Gordon Wallace, co-owner of the Punjab, according to Mr. Peter, is Aalus Engineering Co., of Toronto. irrigation. Vast areas are irrigated, It also involves George Styles Sr., in many instances, by the use of the owner of the small farm in Whit- old Persian wheel. Other huge church Township, who put his areas cannot be irrigated this way testing the pump.

Mr. Peter and several workmen feet is another problem. from the engineering company | Electrical power in India is very made further tests on the pump. It scarce and out of the question for machine to be used on the hot question was the use of a gasoline plains of India, but it was all to the motor to raise water, simply begood for certain defects showed up cause the average farmer can't

The story behind these "Pumps might call him, appears to be a man the Anglican Mission and other Pro- end of the pump. Certain difficulties The story involves a kindly testant missions in the Punjab in were ironed out in the engineering widow living at Alcona Beach, Lake the formation of a tecnical associa- department of the Ontario Research Simcoe; the formation in 1946 of tion. Such an association was Foundation and the plans were Technical Services Association, formed in 1946 with some financial then taken to the Aalus Engineer-India; the Anglican Mission in the backing by the Indian government ing Co., the pump being made there Punjab and eventually all Protest- in his territory. He is serving full from his blueprints. ant missions there; technical advice time with the association, on loan

specially-designed deep- from 150 to 200 feet. Drill-A sub-zero wind whipped across paratively simple matter but gettthe Styles farm the other day when ing water up from a depth of 200 around in a circle.

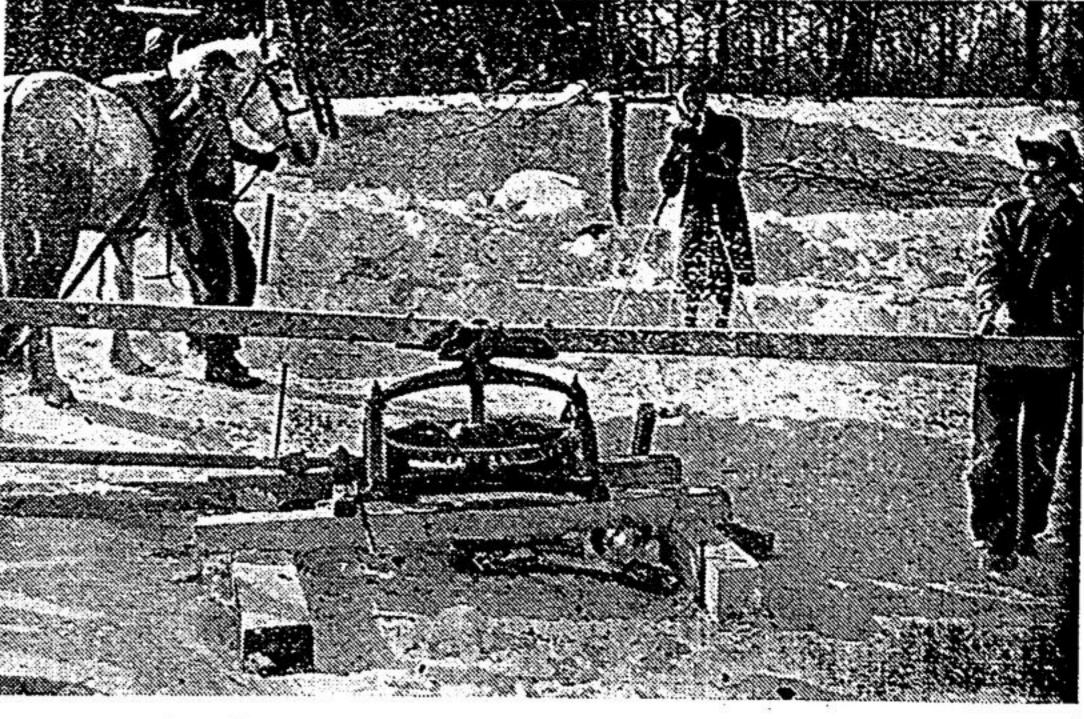
Jonly solution was to design a tube

ed to irrigate some of the millions Peter, who ground away at a Coming to Toronto a few months of acres of arid farm land in the motion picture camera during the ago, Mr. Peter set about to find a sub-zero testing. These films will "horsepower" in working order. He The pump itself is simple, be taken to India, along with the scoured York County for this oldin mind that all working parts had. "Peter the Pump-Maker," as you to be of the greatest simplicity.

The pump he designed is some-

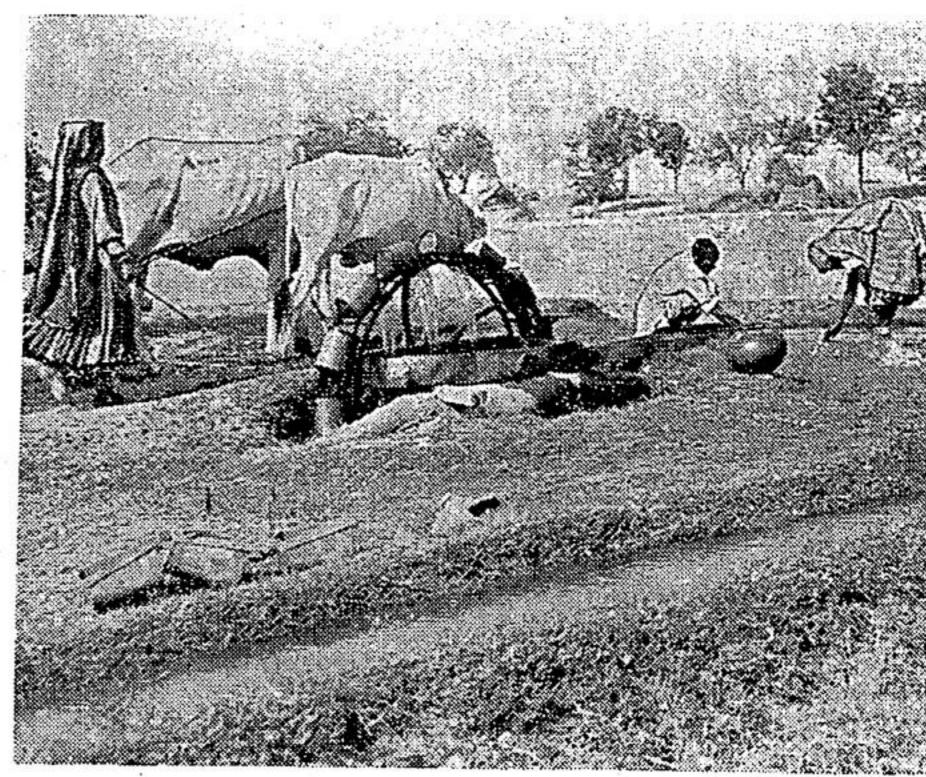
A vital feature of the pump is the inclusion of a belt which, by throw-! ARE WE EVOLVING OR tion, and the untiring interest of The most pressing problem in the ing a lever and engaging certain DEVOLVING? simple cogs, can be turned about

played a major part.



Old-time Ontario farm machine, the "horsepower," seen in cen-

tre, is a major feature of the uni-que pump.



Primitive Persian wheel, used in Middle East and India to

draw water, is not practicable for any great depth. Slow mov-

ing oxen turn the primitive apparatus.

By Lewis Milligan

200 revolutions a minute. To this Whether we believe in the Dar-in the higher level of intellectual, belt wheel the Punjab farmer winian theory of evolution or not, during the whole historic period would attach his other implements a superficial enquiry into the na-artistice or ethical possibilities. requiring power. The motive tural processes of Nature is sufficideep well at Mr. Peter's disposal for as the sub-surface water lies too power would be the same as in the ent to reveal the working of a uni-no better—or worse—mathematical case of the pump, the pair of bul- versal intelligence and an over-rul- brain than had Newton; Darwin ing tube wells in India is a com- locks hitched to the shaft of the ing Will in this world. The term was not a better biologist than Harhorsepower and plodding steadily "evolution" means to unroll or un- vey, any more than was Beethoven fold-like the unrolling of a mo- a finer musician than Bach, Rodin The irrigation pump is only one tion-picture film or the unfolding a better sculptor than Praxiteles, of the projects. Mr. Peter, as head of a rose. Both of these ideas im- Fox or Wesley greater or less great of the Technical Association, has in ply existence of the thing unrolled ethical teachers than the Hebrew was a tough day for testing a the Punjab farmer. Also out of the mind. But in the years to come, if or unfolded. A seed, for instance, prophets, Kant possessed of greater the basic welfare of the Punjab is a plant folded into a minute philosophical abilities than Platofarmer is bettered, it is altogether package which, given the right or even Bernard Shaw a greater likely that the tests now being environment-soil and season-writer than Shakespeare! The genwhich might not otherwise have afford it. Mr. Peter decided that the made on the small farm will have evolves into a duplicate of its par- eral run of human capacity has reent The same reproductive process mained the same for thousands of goes on in all forms of life up to years." man, and it went on for millions of

> the earth. down he was still dissatisfied and old masters, while there seem to be gressed through the stone, the certo to a Moonlight Sonata. So far bronze and the iron ages to the present age of numerous metals, coal, gas, oil, electricity, radio,

radium and the atomic bomb! In all of these things he has proved himself a master mechanic. In his struggle for existence and his curiosity he has created for himself a new environment and acquired an immense amount of knowledge and experience. Man has accomplished all this not only in spite of but because of unfavorable circumstances. Indeed he has made the greatest progress in those parts of the world where he had to struggle for his existence against the elements. He would never have if he had not been in desparate need discovered the deep-laid beds of coal of fuel to keep himself from freezing. His discovery of coal led to the discovery of steam-power and all the subsequent mechancial and scientific inventions which we enjoy today.

But has man, with all these great achievements, attained to a higher intellectual, spiritual and moral stature? Undoubtedly he is better educated in the mass, and knowfedge is more widespread, but are we really producing greater intellects, poets, musicians, artists, philosophers and spiritual leaders than those of a hundred or even tiwo thousand years ago? Julian Huxley,

in a lecture delivered in the early from showing an evolution to loftier 'twenties, claimed that there was forms of artistic expression, there no evidence of any upward change

"Einstein," said Mr. Huxley, "has

Poets, artists and musicians of years before man appeared upon the modern schools might not agree with that verdict. Bernard Shaw, Ever since man arrived he has at least, regards himself as a greabeen more or less dissatisfied with ter dramatist than Shakespeare, the world in which he found him- and the free-verse, writers think self. He first of all moved about their cryptic effusions superior to from place to place as a nomad, the poetry of Wordsworth. The as though he were loking for some- surrealists have apparently convinthing he had lost. When he got ced themselves that their chaotic tired of wandering and settled daubs are finer art than that of the set to work to improve his environ- hosts of people who have no sense ment. He has certainly improved of harmony, and who prefer the disit since the cave days, having pro- cordant noises of a Warsaw Con-

are definite signs of devolution back to the art of the cave dwellers, the tom-tom beaters and the wild warwhoppers in these products of the modern schools.

Send The Tribune to absent



Stouf tville Floral

- ROSES -

Wedding Bouquets Funeral Designs Cut Flowers

Milt. Smith Prop.

GORMLEY MILL NOW OPERATING

The long-felt need for a Grist Mill and Grain Elevator at Gormley, again is now fulfilled with the Opening of Our New Mill, now in full operation.

We have installed modern machinery, Hammermill Grind, and can do your Chopping in quick order. This will be a great convenience to the district which we again intend to service.

Our Elevator enables us to store grain, and we ask to be given a chance to quote on your grain, for which we guarantee best market prices.

Gormley

F. Harvey, prop.

Telephone 7302

EGGS WANTED

BY REG. GRADING STATION

Cases supplied and picked up at your door. For a reference ask your neighbors about our grade, price and prompt weekly returns. Write or phone

P. HUTTON,

Grover 8970

40 Kenworthy Ave.

GORMLEY CEMENT BLOCK CO.

ROCK FACE BLOCKS A SPECIALTY

We now have for immediate delivery both 8" and 10" Plain and Rock Face Cement Blocks. These blocks are steam cured in kilns to give you good sound blocks, without chips and cracks. Order now to avoid disappointments in the spring and summer.

Any information or estimates glady given. Phone STOUFFVILLE 7320 - TORONTO MA. 7709 Gormley, Ont.