WATER SYSTEMS FOR FARM HOUSES

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The tendency found nowadays nearly everywhere, among a certain class of people, to build for themselves homes beyond the confines of thickly populated districts, has accentuated the demand, which was already rapidly developing among the better class of farmers and other dwellers in rural locations, for

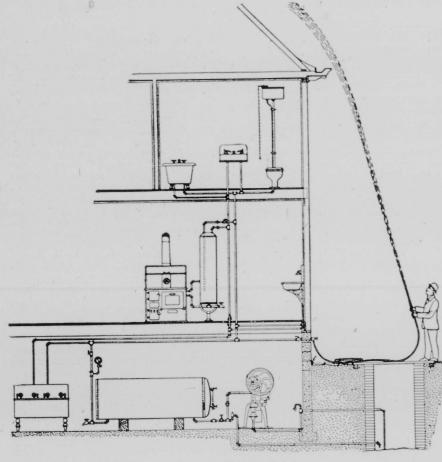
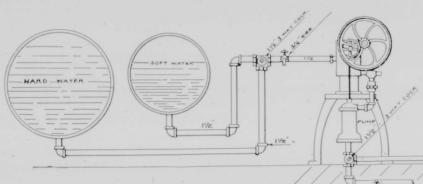


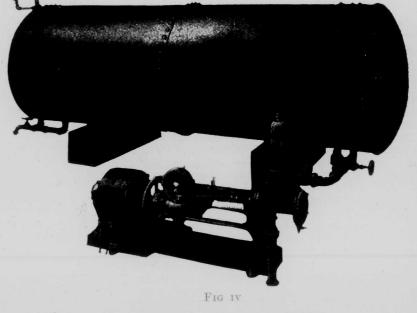
FIG I

SHOWING SUPPLY TANK INSTALLED IN THE BASEMENT AND SYSTEM OF PIPES



ILLUSTRATING METHOD OF ARRANGING FOR A SUPPLY OF HARD OR SOFT WATER, SUPPLY TANKS BEING FILLED BY ONE PUMPING APPARATUS

simple and not too expensive means of supplying the pecially ordinary comforts, such as good water supply, sewage disposal, artificial lighting, etc., which, until com-



AN ELECTRICALLY OPERATED PLANT

meeting with splendid

OPERATION OF THE SYSTEM.

stalled in the basement of a house and connected to the water piping of the same. It will be noted that in this case the water is drawn from a well and is delivered into the bottom of the suction of the suction pipe to the well, the delivery pipe from the pump to the tank and the connection between the tank and the house plumbing, the pump should be started and kept in operation until the required pressure. be it 30, 50, or 75 pounds, is obtained.

After obtaining the desired

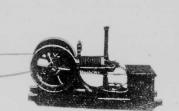
livered into the bottom will be apparent that all of the air originally con-of the tank, and the de-tained in the tank will be at the top and all of the livery pipe from the water pumped into it will be at the bottom, and that tank to the house is also taken from the underside of the former.

The first essential of the space into which the air will be crowded.

this system is that the It will also be evident that when a faucet is opened tank shall be absolutely airtight, and to that end tanks of all capacities ranging from 140 gallons to 18,000 gallons

Among the advantages of the pneumatic system,

capacity may at any time be increased by adding one or more tanks, while using the same pumping apparatus and connections; it perature in the water supply, the water canter it enters-the tank, leakage is reduced to a



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alternately with the o this arrangement of pip turn in the proper directindicated in the diagram

In Fig. 3 is shown a d and soft water operate connected by a pump pump, which may be necessity at any time r

This outfit, together which is an electrically very popular because of and their high efficier motor may be connected an automatic controller pump as the pressure ir constant pressure is m tion on the part of the

oil the apparatus.
Aside from the econo ment briefly described i such a system and the n including that vitally i tricts, viz., fire protec every comfort-loving ar

Topics t

To afford an opport ideas, and to provide may be given and rec week at the head of topics, which our reac Opposite each topic is contributions on it an articles contributed o must be in our hand than the subject is scl

Readers will under of the paper is entire They are invited at a fully and freely expi manner in which it i vited to suggest topi reader has in mind as may think could be be given a place in the to the notice of the general interest. Bed at the head of the] mean that farm qu cussed. The discuss every department of t

For the best artic we will award a fir and for the second the latter sum for subject received and

Article should not June 9-What is t poultry house to rid surroundings healthfi apply the wash.

June 16.—Should either local or distant made into butter to be is best? Tell of a p torily.

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June 30th.—Takin ation is it advisable recital of experiences as opinions upon it (

Employing

Whether or not fa are engaged to the fact is forced upon each letter upon the

Probably there is success or failure or the manner in which employed. Many a to his neighbors on has made despite his handicaps, simply instinct for handling possible out of the to been as great surpris though they have other advantages,

getting work done at The study of the of different systems such a nature are ir thing more than an should cogitate upor the time of-his men