# USES

dinary boiler-maker g tanks of the class ey are sold would ing the necessary would be unsatis-



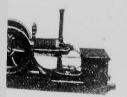
s as follows: After

e, which include the the well, the delivtank and the conhe house plumbing, d kept in operation be it 30, 50, or 75

ssure on the gauge, it e top and all of the he bottom, and that lecreasing in volume is to say, the more ank the smaller will 11 be crowded.

en a faucet is opened or to supply the hose ressed air will cause velocity depending

acity may at any e be increased by ling one or more ks, while using the pumping apparand connections; it vides any desired ature in the water it enters-the tank,



alternately with the one pumping apparatus. By not mean that a man should study how he can work. From the master's standpoint a rule that is

and soft water operated by a small gasolene engine The marathon runner calculates his distance connected by a pump to an ordinary hand-force and his powers, and endeavors to spread the for overtime the call is responded to more willingly. necessity at any time require it.

which is an electrically operated plant, has proven with as few spurts as possible. very popular because of the comparatively low price and their high efficiency. In the latter case the motor may be connected at a very moderate cost with an automatic controller which will start and stop the continuous flow of mental energy with the physipump as the pressure in the tank fluctuates so that a continuous flow of mental energy with the physiconstant pressure is maintained without any atten- cal commodity supplied by men and horses. oil the apparatus.

Aside from the economical features of the arrangement briefly described in this article, the simplicity of such a system and the many other features in its favor, including that vitally important one in country districts, viz., fire protection, should commend it to every comfort-loving and up-to-date country resident.

## Topics for Discussion

To afford an opportunity for the interchange of topics, which our readers are invited to discuss Opposite each topic is the date of publication of in time, labor and materials. contributions on it and readers are reminded that articles contributed on any of the subjects given, must be in our hands at least ten days earlier

Readers will understand that this department fully and freely expressing their opinion of the manner in which it is conducted. They are in- the class of work. vited to suggest topics to be discussed. If any reader has in mind any question which he or she at the head of the Farm Department does not cussed. The discussions will be spread over every department of the paper.

For the best article received on each topic, subject received and published in the same issue nuts.

June 9-What is the best way to clean up a poultry house to rid it of vermin and make the surroundings healthful. How do you make and

June 16.—Should cream be sent to a creamery made into butter to be marketed wherever the price is best? Tell of a plan that is working satisfac-

June 23. Would you advise a man under all stable. A little knowledge of human nature is of circumstances to insure his grain crop against value to all men who have the management of men. hail? If not, what would be the exceptions?

June 30th.—Taking everything into consideration is it advisable to seed to Brome grass. as opinions upon it are quite contradictory.

#### Employing Time in the Fields

Whether or not farmers, their men and teams

to his neighbors on account of the success he has made despite his lack of experience and other handicaps, simply because he has had the instinct for handling men and for getting all seasons what cannot be done today may possibly be possible out of the teams, while other men have been as great surprises by reason of their failures cannot be done today may be of less value if done though they have had experience, energy and tomorrow. At harvest, especially, the farmer's sheet other advantages, but had not the knack of getting work done at the best time.

The description of the farmer's sheet of anchor lies in his machinery. Some farmers draw cussion on the important question of our farm their machinery out early in the summer, replace help and the best way to deal with it. Isn't it getting work done at the best time.

thing more than another that the average man petent man before use. should cogitate upon it is his method of utilizing before use. From the standpoint of the men and horses, nine the time of his men and teams. By this we do and a half hours work in the fields is a fair day's

In Fig. 3 is shown a duplicate water system for hard of sport that has become such a craze of late. pump, which may be manually operated should latter over the former. So a farmer might calculate his work and try to arrange it so that This outfit, together with that shown in Fig. 4, the men and teams will have steady going, but

tion on the part of the owner, except to occasionally second choice is given to Mr. A. J. Quigley, another thoroughly practical and successful

#### Believes in System and Proper Supervision

EDITOR FARMER'S ADVOCATE:

At the present rate of expenditure on our Western use of the brains of the men.

The most economic way of employing the time of men and horses in the fields, according to my ex-They are invited at all times to write the editor reasonably be expected to put in, must to some extent be determined by the season, the weather and

may think could be profitably discussed, it will cided effect on the day's work. Besides as heavy scarcely hitch up a three-horse team asks the be given a place in the order of subjects, if brought work it allows breathing spaces for the horses, and same price—and gets it too. Then in hiring the to the notice of the editor, and is of sufficient gives the man time to attend to any little alteration or man, wages is often made the whole consideration. general interest. Because this notice runs weekly re-adjustment of his machinery, and yet get his alat the head of the Farm Department does not lotted number of rounds in without undue haste. mean that farm questions, only, may be dis- After all the time of men and horses is only a means good start is not simply obtained by getting up early, horses are deprived of a fair amount of rest. That pay for it. Some farmers will hire a green man we will award a first prize of Three Dollars would be false economy. What frequently discounts because they get him for \$10 or 15.00 per month, and for the second best Two Dollars, paying the good start, in spite of early rising, is the condi- and the broken whiffle-trees, poles, reaches, imthe latter sum for other contributions on the tion of the machinery or harness, or missing tools and plements, etc., makes him cost about \$40 along Supervision the previous evening avoids these with having a bunch of sore-shouldered horses. Article should not exceed 500 words in length. little delays, which eventually total up by compound interest at the end of the season to a summer fallow insufficiently prepared. Chores form another cause of delay and a reasonable adjustment of these is particularly necessary. To rush a man out into the field, feeling that he has a grievance is a great mis-take. He may feel like getting even with you, and, either local or distant, or kept on the farm and be if so disposed, there are opportunities in the field of remark that it will pay every master to learn the temperament of each man in his employ, in the same he knows the temperament of each horse in his

On summer fallow work teams should put in nine eaving again at 1 p.m. and unhitching at 6. Un- out having to keep at it until dark. recital of experiences with this grass will be valuable hitching time should be as punctual as possible The man who could not or would not get a those fields which lie a mile or more from home, wherever possible, and, if conditions are favorable, teams should at noon be fed on or near the field. the situation cannot be considered favorable, a are engaged to the best advantage or not, the shelter for noon would repay its cost in the course of fact is forced upon us that they are all busy as a year or two, and for water use could be made of the can be used after 6, a little every evening, and each letter upon the subject emphasises it.

A long tramp home and back at noon is a dead that is in reading a daily paper and more especial-

this arrangement of pipe lines it is only necessary to squeeze the last ounce of energy out of his adopted in most trades and factories must be so beturn in the proper direction the two three way cooks. turn in the proper direction the two three-way cocks squeeze the last ounce of energy out of his diagram. squeeze the last ounce of energy out of his diagram adopted in most trades and I think it pays the farmer if he is managing his farm systematically, while morally it managing his farm systematically, while morally it tends to preserve a better and more contented spirit among the men and if exceptional occasions do arise

### Intelligent Men and Reasonable Hours

EDITOR FARMER'S ADVOCATE:

It seems to me that these two questions of discussion practically open up the whole question of farm help, because in adopting any method we must first consider the quality of the hired help. For instance: the man who could fill the bill as a stooker in the harvest field might be of no earthly use at plowing a fallow. To deal with the farm help question in all its different aspects would require a letter far exceeding your limit. To be as brief as possible, let me say that the use of the time of the men must be coupled with the

farms, especially in the matter of teams and wages, the question of economy in this direction, is one men down to so many rounds of the plow every Some farmers adopt the method of tieing their which will well repay the farmer to give a little more day. I consider this a bad system, one not calideas, and to provide a place where information thought and attention to than is usually given. In culated to improve the quality of our hired help may be given and received, we will publish each these provinces as in the older ones, the stage is ap- because it robs the man of the use of his judgweek at the head of this department a list of proaching when the farmer's margin of profit will ment and makes him no better than the machine depend more and more on the prevention of waste he is operating. Of course, a certain number of rounds per day can be taken as a basis, but after that, the man should be allowed to exercise his perience, is best obtained by regular hours, by sys- judgment in the working out of it. We have tematic preparation each evening for the succeeding seen days in this country so hot that horses could than the subject is scheduled for discussion in our day's work, and by personal inspection of equipment scarcely work at all. Some farmers say: If I ach evening to insure that everything is ready to did not put my men down to rounds they would Readers will understand that this department "hitch on and go" the following morning. Of course fool away too much time. Then the sooner you of the paper is entirely and altogether their own. the number of hours daily, that men and teams can are rid of them the better, and, right here, let me say that the sooner farmers get to work and classify their help the better for themselves. As The first leakage of time usually occurs in failing it is now, a good experienced man is hired in the to get a good morning start. A good commencement spring at 35 or perhaps \$40 per month and this right at the scene of operations in the field has a de- establishes the wages. The fellow who can This is, in my opinion, a mistake. An extra \$5.00 per month is nothing if you get the right sort of a man. Every business is willing to pay to an end. What is required is good work. Now a for brains and farming requires as good brains especially if it is so excessively early, that men and as any other business and should be willing to

I do not say that green help has no place on the To keep up the supply we must get recruits, but the time of 4 or 6 horses and the preparation of a fallow is of such importance as to demand the very best kind of experienced help. This not only means the man who knows how to do his work but the man who takes an doing so without immediate detection. Here I may interest in it and a pride in doing it well. When you have secured this kind of help you will not have much difficulty in working out any method or in getting through a good day's work in time to have the horses in the stable by 6 o'clock You will have a man who will hustle both himself and a half hours daily in the field leaving the stable in and his team during the haying and harvest and time to hitch on at 7 a.m. and unhitching at 11:30, and do all the work that both should do in a day with-

though it must depend to some extent on the end of move on him if the house were on fire has no the furrow being coincident with the clock. On business on a form Personally I never keep an business on a farm. Personally, I never keep an unsatisfactory man. Just as soon as he does not fill the bill let him go. I might also say that I

can always get good help. There is one way in which the time of the men success or failure of farming depends as upon the manner in which the men and teams are reasonably be expected, and less should be tacked employed. Many a man has been a surprise on at the beginning of the less should be tacked to his points are reasonably as affording more to his points are reasonably be expected, and the beginning of the less should be tacked to his points are reasonably be expected, and the beginning of the less should be tacked to his points are reasonably be expected, and the beginning of the less should be tacked to his points are reasonably be expected, and the beginning of the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be tacked to his points are reasonably be expected, and the less should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably be also should be taken to his points are reasonably be expected, and the less should be taken to his points are reasonably because the less should be taken to his points are reasonably because the less should be taken to his points. who has to live for 7 or 8 months in a house where a newspaper never enters will get to be little better than the team he is driving. Farmers' possible out of the teams, while other men have done tomorrow. But at hay and harvest time what conventions and Institute meetings discuss nearly every other subject but one never hears any disgetting work done at the best time.

The study of the soil, of varieties of grain, of different systems of farming and problems of such a nature are important, but if there is one such a nature are important, but if there is one ing outfits should invariably be overhauled by a comwhere large farms require so much help, and short seasons necessitate help of good quality.

A. J. Quigley.