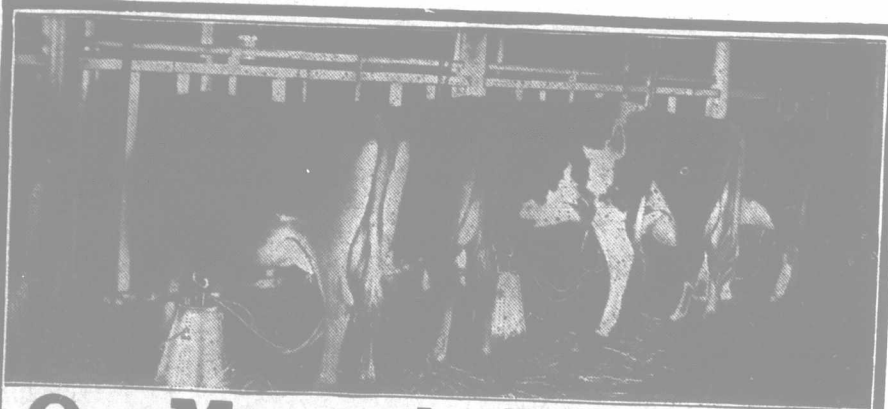




One Man and a Boy Do the Work of Four Good Men

One man and a boy (to carry milk and assist) milk 100 cows in two hours with a Sharples Mechanical Milker.

Just think of what that means. Think of the relief from the long hours of awful drudgery twice a day. Think of the freedom from worry and unreliable "hired help". Think of the extra profit—at least \$15 more per cow each year—you can make with a Sharples Milker. Think of the opportunity you have of doubling your herd, thus more than doubling your dairy profits without increasing the labor expense a cent.

These are but a few of the many advantages of

The Sharples Mechanical Milker

The one recognized successful milker on the market today. Used in the world's finest and largest dairies. Over five hundred of these machines in regular use.

"The Sharples Milker produces cleaner milk than hand milking and is easy to keep clean. I do not see how it can affect the cows, or affect the milk flow except a tendency to increase it by the uniformity of its milking. We are handling a herd of 140 cows with one-third the labor that was required before. Very truly yours, John V. Bishop."

One secret of the success of The Sharples Milker is

"The Patented Teat Cup With the Upward Squeeze"

Instead of continually drawing the blood down with the milk as ordinary suction machines do, it gives the teat a gentle "upward" squeeze after each suction or pulsation, and thus avoids the congestion, swelling, soreness and other objections. We can't explain it all here. Just send for Catalog and see for yourself the wonderful advantages of this wonderful machine. We gladly put them in and give you ample time for trial.

A Postal Brings Catalog

THE SHARPLES SEPARATOR CO., WEST CHESTER, PA.
Toronto, Can. Winnipeg, Can. **BRANCHES:**
Agencies Everywhere

Save Money On Your Cement Silo

IT IS mighty hard work and an expensive proposition to place the last eight or twelve feet of concrete on a cement silo.

To give the best results a silo should be at least thirty feet high. The last ten feet—handling the heavy concrete at a considerable height and under unfavorable conditions—requires skilled labor. It will cost you more in time and trouble than the rest of the job put together.

Save yourself this hard work and cut down building expenses by using steel plate construction to replace the concrete at the top of your silo.

The steel plate comes to you all ready for erecting. It is light, can be readily handled, is rolled, punched and marked for quick assembling. You and your own help can put it up. It doesn't need a boilermaker or a contractor to put the plates together. All you need do is to follow the marks and know how to swing a hammer.

Write for prices and full particulars to-day.

The Waterous Engine Works Co., Ltd.
BRANTFORD, CANADA.

When Writing Advertisers, Please Mention "The Farmer's Advocate"



The plate is rolled to 10, 12 and 14 feet diameters. Each course is made 4 feet high. Two or three courses placed on top of your cement base will extend your silo the necessary height. What's more—and this is important—if your corn crop is larger than you figure on, you can add a course at any time.

That this steel plate is durable, is storm, shrinkage and frost proof and that it will keep ensilage in 20% better shape than stone, cement or wood has been thoroughly demonstrated in the numerous steel silos built by Canadian farmers in the last ten years.

As for prices—this plate, with rivets supplied—will cost you no more than the cement and gravel required for the same amount of work.

QUESTIONS AND ANSWERS. Miscellaneous.

YARROW.

Would you kindly give me the name of the enclosed weed, which is very numerous here?

N. A. W.

Ans.—The weed is yarrow, or milfoil (*Achillea millefolium*).

TREATING WHEAT FOR SMUT.

Would you give information as to whether wheat can be treated before sowing so as to avoid rust or smut. I have heard something about a solution of bluestone sprinkled over it to prevent this, but do not know the proportions. I would be grateful to you for any help. My wheat is bad this year (with smut), and I am told that by sowing this again am likely to infect next year's crop.

J. S. P.

Ans.—For stinking smut or bunt of wheat, a pound or pint of commercial 40-per-cent. formaldehyde is mixed with 40 gallons of water. The seed is spread out on the granary or barn floor, and thoroughly sprinkled with the solution, and shovelled over until each grain is moistened. It is then shovelled into a heap and covered closely with canvas or tarpaulin for two or three hours. The flour bags and drill should be sterilized. Copper sulphate 2 pounds to 50 gallons, is sometimes used, the grain being immersed for 12 hours in this, and afterwards 5 minutes in milk of lime, 2 lbs. of lime to 20 gals. water.

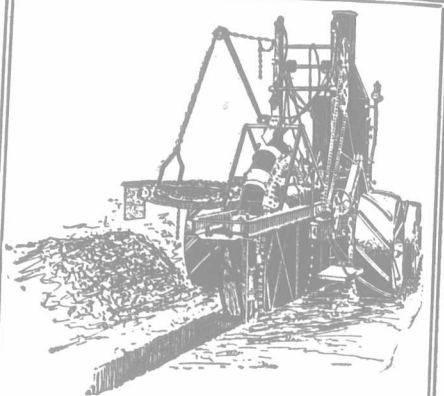
GARDEN AND POULTRY QUERIES.

1. Do tomatoes yield better when the plants are staked up than when they are laying down?
2. What variety of red raspberries do you recommend for being hardiest and best yielders?
3. What variety of white raspberry do you recommend?
4. When is it most satisfactory to transplant them, in spring or fall? How far apart should the rows be, and how far apart in the rows?
5. What care should be given them to obtain best results?
6. What age asparagus roots would you advise setting out? What variety?
7. When should they be transplanted in order to grow most successfully, in spring or fall? How would you prepare the bed, and how would you plant it out?
8. In order to obtain best results from chickens, that is to fatten them as quickly as possible for the market, with least expense as possible, what would you feed them, how often, and to what proportion?

H. I.

Ans.—1. Staking has no great effect upon the yield. It is practiced to prevent rot, by keeping the plants up off the damp ground, and to allow of the admittance of sunlight, hastening ripening.

2. Marlboro, Herbert, and Cuthbert, are good.
3. White raspberries are not in demand on the market. Golden Queen is a good variety.
4. Spring is usually considered best, but they may be planted in the fall. Plant in rows six feet apart, and three feet apart in the rows.
5. Plant in good clay loam, and keep thoroughly cultivated to retain moisture and keep down weeds and grass. Thin out the canes, leaving seven or eight strong ones to a hill each fall. If they grow too long, cut them back in the fall.
6. Some use two-year-old plants; others grow it from the seed. Conover's Colossal and Palmetto are recommended.
7. Always in spring. Manure the land well, and work it thoroughly and deep. Mark it into squares three feet each way, and plant six inches deep at the squares.
8. To fatten chickens, place them in crates and feed on wet mash, moistened with milk to the consistency of a porridge. A good ration is 2 parts finely-ground oats, 2 parts finely-ground buckwheat, and 1 of finely-ground corn. Feed lightly at first, and keep the birds' appetites keen, gradually increasing the amount until they are getting all they will eat. Feed 3 times daily first week, and twice daily afterwards.



You Can Own a Good Business Within a Year

THERE are very few businesses that will pay back the whole investment inside of a year, yet many men have done this with a

BUCKEYE TRACTION DITCHER

A gasoline or steam machine will dig 100 to 150 rods of ditch a day, according to depth and soil conditions. One man can operate the gasoline or fit, or two men the steamer. You can make \$15 to \$18 a day, 9 or ten months in the year. At the end of a year you will have your investment back and will own a good paying business.

Always a Big Demand for Ditching

Hundreds of BUCKEYE owners have work ahead for months. Farmers want machine-made ditches, because they are better and true to grade.

Write to-day for Catalogue T, and for information about what other men have done.

The Buckeye Traction Ditcher Co.
FINDLAY, OHIO

PROTEIN

IS WHAT YOU NEED

It Produces Milk

DON'T use low protein feeds. There's no profit in them. When you buy feed you purchase it only for the protein value. You raise a sufficient amount of starchy feeds on your own farm.

Buy Farmer Brand Cotton Seed Meal

It's cheaper than any other feed. This is due to the fact that it contains more "protein," the milk-producing element, than any other feed. Write for our free booklet, "Feed Facts," containing valuable information and ration. Ask for prices on "Farmer Brand" in carloads or less.

THE BARTLETT CO.
Dept. F.D., 410 Hammond Bldg.
DETROIT, MICH.

GOSSIP.

Herbert Theal, breeder of Dorset Horn sheep, Fulton, Lincoln Co., Ont., writes, in ordering change of advertisement, that he fully expected exhibiting at Toronto this year, but circumstances have developed which prevents his doing so. The sheep are in good condition, and some choice offerings are being made, among them being the three-shear flock-header which has proved himself a splendid stock-getter. Two prizewinning shearing rams are offered, and a number of choice ewes, ewe and ram lambs. See the advertisement in another column.