

Address communications to Agronomist, 73 Adelaide St. West, Toronto

nase the machine with cold or luke-arm water. This is done by attach-the machine to the nump line, and nmersing the lest cape at a pail con-iming the rinsing water. It is best break the flow through the machine to break the flow through the macane by pulling the cups out of the water and then immediately immersing them again; this should be done ten or twelve times.

In another pail, containing hot

them again; this should be done ten or twelve times.

In another pail, containing hot water and a soda solution, repeat the same procedure. At this time, wash the outside of the teat-caps and rubber tubing. Run the brush in teat cups. Repeat the process, using clean rinse water. Braw a chlorine solution through the machine (chlorine solution described later).

Detach long milk tubes from the head of pail. Plug air tubes fin the inflation type of machine), and place the teat-cups and tubing in a chlorine sterilizing solution made fresh every day. It is important that the tubes be placed in the solution carefully, so that no air pockets will remain. Place the tubing in the solution slowly, and in such a manner as to allow the air to be expelled.

oughly after each use. These should be washed in the same manner as is recommended for milk pails and cans,

recommended for milk pails and cans, and thoroughly sterilized with steam. When the units are assembled for milking, be sure that all liquid has been drained out of the air system. (This system should have been plugged, but it is best to be sure that no water has leaked in as moisture will water has leaked in, as moisture will sometimes interfere with the pulsations.) After assembling is completed, rinse units with clean, fresh water.

Twice each week the machines must be taken completely apart and washed thoroughly. Brushes should be used in cleaning the tubing, teatcups and inflations. The best results will be obtained if a soda solution is

will be obtained if a soda solution is used. Never use soap.

Every two weeks clean out the vacuum line. This is done by drawing hot soda solution through the pipe line by means of the vacuum. The construction of the line permits this solution to be drained out of the line. solution to be drained out of the line. Usually provision is made for it near the pump. If at any time milk is drawn into the vacuum line, clean the pipe immediately after milking.

The moisture trap on the head of the machine (cover of the bucket) should be cleaned after each milking.

To make the chlorine solution.

Dissolve a twelve-ounce can of com-mercial chlorinated lime in two gal-lons of water. Strain into a crock or glass jar, discarding the sediment. Cover and keep in a cool, dark place. and will keep a long time.

To make the chlorine solution in



Imperial Mica Axle Grease and Imperial Eureka Harness Oil lessen the strain on wagon, team and har-ness. They make heavy hauling

The mica in Imperial Mica Axie Grease forms a smooth, heat-resist-ing coat on axie and hub. Over this the grease works easily and kills all frietton. Imperial Mica Axie Grease goes twice as far as ordinary greases.

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IMPERIAL OIL LIMITED rer Heat Light Lubrication

0 Imperial Euroka Har-nese Oil in eises from I pint to a barrel. MICA-

Cleaning Milking-Machines . 1 which the tubing and cups are kept, Cleaning Mildas Machises! . . which the tubing and cups are specified following method of cleaning king-machines has been found to practical and should give good repractical and should give good retailed to solution should be used but twenty-four hours. Make up new solution every day.

The crock or box in which the tubing and cups are kept should be kept.

The crock or box in which the tubing and cups are kept should be kept covered and clean at all times. The presence of sime or dut in the solutions will destroy its usefulness. The machine must be thoroughly washed before any of the parts are placed in the chlorine solution.

In preparing the cows for miking, the same care should be used as in

the same care should be used as in milking by hand. It is necessary that the teats be very clean if a clean milks is to be obtained.

Make Concrete Floors When You Need

Just now is when concrete feeding floors and sidewalks are most needed—in snowy, sloppy weather.
"But we can't do concrete work in freezing weather, can we?" some folk

oncrete work in winter; they heat the water; cement, sand and gravel, and after the concrete is in the forms, and after the concrete is in the forms, cover it with canvas and straw. Laying concrete floors inside the barn or hog house in cold weather is not attended with such great danger from

When you pay 30 cents for a half-pound package of Red Rose Tea (Crimson Label) you get exactly the same to a for which you formerly paid 35 cents a package.—Quality in Red Rose Tea is the first consideration.

THE SUNDAY SCHOOL

FEBRUARY 13

Lessons on Citizenship, St. Matt. 22, 15-22, 34-40. Golden Text, St. Matt. 22: 37.

A.D. 29, The Temple Court at Jerusalem.

— Connecting Links—When Jesus entered the Temple Court, on the Tuesday of Passion Week, the last day of His public teaching, the Pharisees asked Him by what authority He was acting. Matt. 21: 28. In reply He questioned them about the baptism of John (Matt. 21: 24-28) and added the parables of the Two Sons and the Wicked-Husbandmen, 21: 28-44. The Pharisees wished to arrest Him, but feared the people, Matt. 21: 45, 46. Jesus then spoke the parable of the Marriage Feast (see last lesson, Matt. 22: 1-14). Then followed three questions proposed by His enemies, one by the Pharisees and Harodians about the lawfulness of tribute to Caesar, amother by the Sadducees about the resurrection of the dead and a third by a lawyer as to which was the greatest commandment. The first and third of these questions form the lesson for to-day.

great and greatest ("first") commandment, enjoining the love of God ba"the uttermost of our, beingy and Lev. 19: 18, enjoining the love of a neighbor as ourselves. "Jesus' special originality lies in his combining..." the tove of God, and the love of neighbor, making the latter a derivative of the former and a form of its expression" (Anderson). Amongst the Pharisees the love of the law had taken the place of the personal love of God, while no place was left in their system for the human love of neighbor.

V. 40. On these two . hang all the law and the prophets. The moral drift of the whole Old Testament is love. No keeping of any single law is of value, unless love prompts at. Jesus rises above all petty legal questions to the spirit of love, which alone gives value to any form of duty doing.

The Lesson Applied.

1. Jesus showed us that religion is above the intringers of reliticions.

Are You Prepared to Fight a Fire?

A little group stood in front of the post office discussing the fire at the George Halsey farm.

"Didn't George have any insurance?" someone inquired.

"No," was the reply. "He said the rate was too high, so he never took out any. The fire began in a rubbish heap near the barn. There wasn't any water handy; the spring that supplied the barn had run dry.

"He told me," continued the speaker, "that there was only a small blaze when first discovered; that if there had been a fire extinguisher handy they easily sould have put out the house for one and by the time they got back it was too late. A brisk wind was blowing; the house caught fire and everything went."

Every year the fire losses in this country total the enormous sum of shout \$25,000,000. This is the actual loss, without considering the sacrified of life and the many millions of dollars necessary to maintain fire departments and fire appliances. Yet experts tell us that by the timely use of chemical fire extinguishers the loss at many of these fires could be kept down to a few hundred dollars. Chemical fire extinguishers are especitally valuable on farms where the water supply runs low at certain seasons of the year, or where a fire department is too far away to be department is too far away to be department is too far away to be department is to far away to be de

A little group stood in front of the mixed, carbonic acid gas is produced ost office discussing the fire at the and a stream of water charged with

