Back flushing on milking machine teat cups

G W R Scott
K. Needham

Follow this and additional works at: https://researchlibrary.agric.wa.gov.au/journal_agriculture4

Part of the Dairy Science Commons, Pathogenic Microbiology Commons, and the Systems and Integrative Engineering Commons

Recommended Citation
Available at: https://researchlibrary.agric.wa.gov.au/journal_agriculture4/vol4/iss12/7
THE possibility of replacing the dipping of teat cups between cows with a system of back flushing with water has been investigated for some time by different workers.

After removal of milk deposits the essential function of dipping is to sanitise in an attempt to minimise the spread of mastitis infection. Whilst dipping is useful, by comparison there is reason to believe that back flushing will be more effective and economical.

Back flushing introduces water at some point above the claw with a view to thoroughly rinsing milk solids away, and at the same time removing a large percentage of the contaminating bacteria.

One of the authors (Scott), designed a modification for the claw—shown in the figure—which enables the use of a third line carrying water to flush the claw. At Wokalup Research Station and in the Dairy Laboratory in Perth it was found that a five-second flush reduces the bacterial contamination by 99.3 per cent.

The system has not had enough practical use to be recommended as a general procedure to dairy farmers. The results to date are encouraging and the modification has been installed in the dairy at the Wokalup Research Station for a period of observation.

The figure shows a tap arrangement integral with the claw which replaces the normal milk dipper tap. Water admission is controlled by the nylon pipe clamp on the rubber tube.
CONTROL
MAJOR FRUIT PESTS in your ORCHARDS
FAST-ECONOMICALLY By SPRAYING with . . .

WILD
SPRAYING EQUIPMENT

LINKAGE CROP SPRAYING TENDER
There's Nothing Better

The Wild's three-point linkage Crop Tender Unit for field crop and orchard spraying has a 100-gallon a-plate fully galvanised steel tank.

The frame is made of 3 in. x 3 in. flat steel plate, heavily reinforced, but light enough to handle.

There is a convenient rear platform for operators to stand on.

PUMPING UNIT—
The Wild's three-point linkage Crop Tender is fitted with the well-known Wild's High Pressure Twin Piston Pump featuring:

- Self Priming.
- Includes high efficiency Bowl Filter.
- Heavy duty Ball Bearings and Needle Bearings (sealed and permanently lubricated).
- Stainless Steel Cylinders and Valve Seats.
- Non-Corrodible Steel Valves.
- 350 P.S.I. Maximum recommended working pressure at 8 g.p.m. with 22 ft. suction lift at 480 r.p.m.
- Crop Tenders can also be supplied with Rolloflow or Brodjet pump.

Additional attachment—Apple Side Spray Boom can be obtained for only £18.

Price
£210 0 0

ELDER SMITH
GOLDSBROUGH MORT LIMITED

Please mention the "Journal of Agriculture of W.A.,” when writing to advertisers