

Chopped Hay Proves Economy on Dairy Farm; Efficiency High

Method Shows Big Advantage

Exclusive Milking Barn Is Another new Feature on R. H. Clark's Place

By C. GENEVIEVE MORGAN
Chopping hay for feed is becoming more than a trial business here, and generally speaking those who try this method are entirely sold on it, declares R. H. Clark, who operates a dairy farm on Salem route six, about three miles from town on the pen road extension.

Clark himself is one of the earlier hay choppers in this section, having followed this practice for three seasons and he says you couldn't induce him to change back. Roscoe Clarke, who has a dairy and fruit farm in the Polk county hills, is credited with being the local pioneer in chopping of hay for dairy feed, his venture preceding R. H. Clark's by fully three years.

Economy Is Proven
Chief advantages of the chopped hay as against feeding the ordinary loose or baled hay, are argued by R. H. Clark as follows:

Chopped hay can be put in the barn as cheaply as loose or baled hay; two and one-half times as much chopped hay can be placed in the same space; four tons of chopped hay equals five tons of loose hay so feeding is more economical; chopped hay is much easier to feed out, as it can be loaded from the bottom and conveniently hauled to the cow.

Clark sets his chopper, a Pape which gets its power from the farm's John Deere tractor, at one inch, which means that most of the hay goes through slightly longer. The hay is blown into the barn right from the chopper, and Clark finds his barn will hold 110 tons of chopped hay as against 40 tons of loose hay.

It takes from 10 to 14 minutes to run through a ton of hay, and as high as 5 tons an hour from a stack have been run through the chopper and into the barn.

There is some argument against chopping in danger of combustion and impacting. Clark has had no hay of fire and believes there is no more danger with chopped hay than with long hay if it is properly dried. As for compaction, neither has he had any trouble with that due to feeding chopped hay and it is his opinion that when such results develop it is due to chopping too fine.

Has Milking Barn

The Clark dairy, operated on his 26 acres of land, boasts the very first milking barn—or milking parlor if you want to do it up in fancy terms—constructed in this section and probably the first built in Oregon. He had it built nearly five years ago on the premise it would be cheaper to build this and a loading shed than to build a large barn.

The building has three partitions, all built on a foot-thick concrete floor. In the milking parlor proper, a 20 by 30 foot space, two rows of stanchions each with concrete feed trough, provide space for milking eight cows. Two double unit milking machines are used, the four cows on one side being milked while the four on the other are stripped and changed.

Tuesday morning it took an hour and 20 minutes to get seven cans of milk from 48 cows. (Drys bring his present herd to 56, not including 28 calves. He is raising more calves than usual because replacement costs are so high). The herd, by the way, is Jerseys and include 14 registered cows.

Clark built a time-saving device which locks the stanchions in a unit. The milk room is electrically lighted and of course a hose and running water are standard equipment. Only grain is fed in the milk barn.

Feed Barn Nearby
Separated from the milking barn by partition are the 10 by 10 foot feed room, the door of which gives access to the cows, and the 10 by 20 foot milk house. There is no contact between the milk house and the milking barn, except through outside doors.

Raises Ladino Clover
The 26 acres on the farm are planted to Ladino clover, including 14 acres planted this season, and the whole is being irrigated. Clark started his first irrigation last year, using the flood system. This year at an additional cost of \$1100 for pipe, he has switched to the sprinkling system, which supplies a greater acreage and uses less water. The 80-foot well pumps a maximum of 230 gallons per minute, but is using only 110 gallons under the change over. A Pomona turbine pump is driven by 5 h.p. motor.

An interesting sidelight on the irrigation of Ladino is the incidental irrigation of a small cherry orchard.

Cherries Irrigated
"The cherry trees just happened to be in the Ladino pasture, so I left them. This year the crop is fine and is picking not over 4 per cent culls. What's more, when other orchards are producing a short crop this year, these few trees will run a ton, as against from 500 to 600 pounds last year."

The Indians Had a Name For It...

Milking House Feature of Clark Farm



Above, exterior view of milking barn, which includes milking parlors, feed room and milk house, on the R. H. Clark dairy on Salem route six. Below, interior view giving idea of sanitary "stall" arrangement and showing milking machine in operation.—Photos by Ben Maxwell.

when the field was not irrigated."

Clark stated, adding the cherries will pay the taxes this year.

"Irrigation, and the fact that we put in a few Waterhouse trees for pollination have not only brought a larger crop, but the irrigation has, I believe, made the foliage heavier and greener," Clark said. The cherries are Royal Annes and Lambers.

Installation of the irrigation project has cost in the neighborhood of \$2500, including the pipe added this year. Which is a lot of money on any farm. And that prompted the question:

"Do you think all this expense pays in returns from the dairy herd?"

Clark's answer was yes, decidedly so.

Aids Production
"The pasture ran short this spring, and the cows went down to 11 cans of milk. But after the irrigation system was installed in earnest, the milk production came up to 14 cans, a gain of three cans per day, which represents nearly \$7.50 per day for the three additional cans," he declared.

While on pasture the herd drops from 1800 pounds to 200 pounds per day in hay consumption, which is another item in favor of irrigation. But the main thing, Clark says, is that with irrigated pasture he can keep the cows milking well throughout the dry months, thus keeping up to his basic on the Portland market, where he delivers as a member of the Dairy Cooperative association. Clark is chairman of the Salem unit of the co-op.

The sprinkler lines in the irrigation system are set from a main line running the length of the farm, and are moved 60 feet each time, with each sprinkler also 60 feet apart. The water is run 12 hours a day, with a change twice a day. It takes 22 days to cover the whole acreage.

Grinds Dairy Feed
This season Clark started watering May 17 or 18, but discontinued during the change over and resumed again July 6. He holds that it is to great advantage to irrigate right through the late spring rains—even such a one as June, 1937, produced.

Clark has found considerable economy in grinding his own dairy feed. He runs corn on the cob, and oats through the grinder, power for which is furnished by the John Deere tractor, and mixes this with mill run and concentrates. He feeds six tons a month, and when feed was \$42 a ton, he figured, after charging grinding, mixing and hauling, that he could grind and mix the grain food for \$36 a ton. The difference between purchased cost and home-ground cost however fluctuates with market conditions. He usually mixes three tons of food at a time.

This dairyman keeps track of every cow's daily and yearly production through the record book of the dairy herd improvement

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Odd Fellows and Rebekahs Install

Logging of Mill City Firm Will Move to Marion County Side Soon

MILL CITY, July 10.—Santiam Rebekah lodge and Mill City I. O. O. F. lodge held a joint installation in the hall Wednesday night. The meeting was preceded by a dinner at 6:30.

Mrs. W. W. Mason and Mrs. George Berry acted as grand marshals. Those installed in the Rebekah lodge were: Noble grand, Mrs. Mable Schroeder; R. S. N. G., Mrs. Millie Lavina; L. S. N. G., Mrs. Maud Davis; vice grand, Daisy Henderson; R. S. V. G., Mrs. Nellie Ward; L. S. V. G., Mrs. Augusta Wetli; conductor, Mrs. Gertrude Mason; warden, Mrs. Clara Ellsworth; secretary, Mrs. Abbie Geertsen.

In the I. O. O. F., noble grand, W. W. Mason; vice grand, Gus Roenke; secretary, M. J. Kuerr; treasurer, D. B. Hill; warden, George Berry; outside guardian, Otto Wetli; inside guardian, Ed Davis.

Logging will be finished at the old Camp 240 by the Mill City Manufacturing Co., Inc. the middle of the month, after which the logging equipment will be moved to the Marion county camp about one mile above Mill City. The fallers and buckers are working now. O. J. Downing has purchased two trucks to be used in hauling logs to the mill.

Swan Reunion Held

A reunion of the Swan family was held in Taylor's grove Sunday, July 4. A dinner was served to 40 guests including Mrs. Mary Swan, Mr. and Mrs. John Swan, Estel, Billie, Ronald and Jerry Lee; Mr. and Mrs. James Swan, Alice and Donald; Mr. and Mrs. A. F. Catherwood and Dwight, all of Mill City; Mr. and Mrs. George Gilman, Carol Jeanne and Bobby Lee of Forest Grove; Mr. and Mrs. U. S. Swan, Mildred and Marjorie of Missouri; Mrs. Mary Lovett, Lois, Mary and Kathryn of Lacombe; Alfred and Georgia Spry of Eugene; Mr. and Mrs. Henry Dunigan, Bill, June and Orval of Salem; Walter Burford of Lacombe; Elton Fishback of Monmouth, mouth, Mr. and Mrs. Dell Furmanoff of Camas, Wash.; Mrs. Nell Wachter, Joseph and William, and Miss Rayene Moore of Mill City.

Fred Evanses Are Honored at Party

DETROIT, July 10.—Mr. and Mrs. Fred Evans were entertained early this week at the home of Mr. Evans' mother, Mrs. Catherine Evans, on their ninth wedding anniversary. Those present were Mr. and Mrs. Fred Evans and children, Lorraine, Allen and Dwayne, Mr. and Mrs. Earl Conklin and children, Norma Jean and Eddie, Mr. and Mrs. William Evans and children, Lucille, Billy and Johnny, Glenn Nielson, Miss Winnifred Brown, Jake Vester, Evans and Mrs. Catherine Evans.

Mr. and Mrs. Jim Rand, Jr., and children and Mr. and Mrs. Jim Rand Jr., and Bob Sylvester spent the holidays at Bend. Mr. and Mrs. Tom Bowers and their father, Waldo Britton, went to Lakeview to visit their relatives.

Miss Letha Bault of Tangent is spending a few days with her brother, Homer Bault and family.

Kids Rejoice as Watermelon Truck Overturns



Turning over at a Los Angeles intersection, a truck laden with watermelons recently brought joy to neighborhood kids as they were provided a feast on the succulent fruit. Roger Francis and Frank Manke broke all records, arriving on the scene in nothing flat. In the background are grownups maintaining their dignity but wishing they were kids again.—L. I. N. photo.

Beavert Suffers Abscess in Back

CORVALLIS, July 10.—Brought to Corvallis last night from Grants Pass by ambulance, Jack Beavert, graduate of Corvallis high and a member of the Oregon State college 1937 freshman class, is in the Corvallis General hospital today with a seriously abscessed back.

Beavert, who has been working at the Oregon Caves resort this summer, was first treated at Grants Pass.

Grants Pass physicians reported that the lad was treated last week for an infected condition in his eye. Placed in the Grants Pass hospital, Monday after he had complained of chills and fevers, an infected area in his back was found to exist.

Feed Grinding Is Lyons Enterprise

LYONS, July 10.—A new enterprise for Lyons is under way this week. Bert Lyons and Valva Lewis purchased the Rauson building east of the old Rauson store and are moving it to a location on the north side of the highway where they will remodel it and install machinery for custom feed grinding. Lewis and Lyons will also carry a stock of grain and feed.

Dean Trask of San Jose, Cal., arrived here the last of the week to spend the remainder of the summer with his grandparents. Mr. and Mrs. Albert Ring, Mr. and Mrs. William Tyrrel of Albany were last weekend visitors with Mrs. Alice Culhane.

Presbyterian Meeting Draws Three Delegates From Corvallis Church

CORVALLIS, July 10.—Three members of the Corvallis younger set left recently for Hillsburn, near Portland to attend the Presbyterian young people's conference.

Included in the party which was taken to the conference by Dr. John S. Burns, pastor of the Corvallis Federated churches, were Gerald Joseph, Beulah Shreppel and Bill Garajobst.

Central Howell's Cherry Crop Good

Picking now at Peak, Also Haying, With Balers About to Start

CENTRAL HOWEL, July 10.—Mr. and Mrs. A. E. Gower who recently returned from a two weeks trip to Seattle and way points, started Tuesday on a trip of indefinite length which will take them to the middle west and back by way of California where they may spend the winter. A brother of Mrs. Gower arrived unexpectedly at their home Tuesday after they had gone. They had planned to spend a week at his home in the middle west. Loren Gower is farming the Gower farm this year.

The cherry harvest is at its peak this week. The crop is turning out better than was expected. Haying is at its height now and balers will start next week.

The government park at Lafayette is reported by Mr. and Mrs. Earl DeSart to be a pleasant picnic grounds. The DeSarts accompanied by Mr. and Mrs. W. A. DeSart spent Sunday, July 4, there.

Mr. and Mrs. Robert Balch, daughter and son-in-law of Mr. and Mrs. Chris Liechty left Saturday for their home in Bakersfield, Calif. They have spent their vacation here visiting relatives and also went on to visit a sister, Mrs. Richard Butler, in Walla Walla and a brother, Chester Liechty, in Pendleton.

Slate Picnic 14th

SILVERTON, July 10.—The Triple Link club of the Rebekah lodge will hold its annual picnic for members and their families at the Coolidge & McClaine park July 14. The picnic will be a supper affair.

WOMEN OF SALEM

You are invited to hear Mrs. Cray's free address on home economics, health and beauty at Woman's Clubhouse, 460 N. Cottage, Monday 2 o'clock.

Technical Papers To Be Presented

Northwest Group to Meet at Corvallis Three Days This Week

OREGON STATE COLLEGE, Corvallis, July 10.—Papers on pertinent agricultural problems of this state will be presented by at least 25 Oregon State college men connected with the experiment station or the resident staff when the Northwest Association of Horticulturists, Entomologists and Plant Pathologists meets here next week from July 14 to 16.

Discussed by E. R. Jackman, extension agronomist, who has been advising Oregon farmers as to the proper control measures on numerous noxious weeds within the state, weed control in Oregon will be thoroughly treated for the benefit of the assembled association men. Jackman has been interested in this extensive farm problem since the state legislature looked into the matter.

Papers on spray treatment, walnut and filbert diseases, virus studies and fruit ripening problems are also up for consideration by the local agricultural leaders. C. E. Shuster, U. S. D. A. horticulturist stationed here, will present a paper on the soil deficiency studies he has been carrying on here for many years.

Originating at Oregon State college several years ago, the society meets here every year. With representatives from the entire northwest and western Canada, arrangements to entertain well over 150 guests are being formulated.

Some 25 members of the American Pomological society now on their western tour will join with the assembled and Canadian men Friday, the last day of the slated three, for a joint session.

Elk Attends Convention

CORVALLIS, July 10.—Official delegate of the Corvallis Elks lodge, J. W. Palmer left here today for Denver, Colo., to attend the national convention of Elks which is scheduled to meet in the Rocky Mountain metropolis this month. Mrs. Palmer accompanied him.

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