

The manufacture of Swiss cheese 1 rapidly growing in the United States, but the industry is handicapped more or less by serious losses due to abnormal fermentation.

A recent bulletin of the Wisconsin mentation of an unusual nature in Swiss cheese. The first abnormal condition is generally noted in the brine



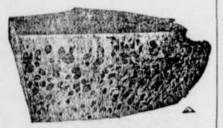
CHEESE SHOWING CRACKING AT EDGE.

tank. When placed therein the cheese does not seem to absorb salt in the usual way. The first most evident symptom of trouble usually appears when the cheese has been on the shelves for a week or so. The edge of the cheese cracks or opens, generally near the junction of the top or bottom and the side. See first cut. This split continues to increase in length, running around the circum.erence of the cheese, and in severe cases the interior of the curd may be forced out through this crack.

In the second cut this stretching of the plastic curd toward this opening is well shown. This is, of course, due to the pressure of gas within the cheese. The texture is rubbery or leathery and shows gas holes, always more numerous than are to be found in a normal No. 1 Swiss. In all cases the flavor is decidedly "off," a disagreeable, sweet taste being observed. The affected cheese is also usually "off" in color.

Investigation showed that the abnermal fermentation was due to the presence of yeast cells which in some unknown way had gained access to the milk and passed into the cheese.

The Wisconsin suthorities say: "The quicker the whey can be delivered to the farmers the less likely are troubles of this sort to develop. Dangers from this source would be entirely eliminat



SECTION OF AFFECTED CHEESE.

ed if a different receptacle from the can used for the fresh milk was employed to carry back the whey to the farm. Old, discarded cans that are not fit to purpose.'



THERING IT.

Physician of Jamestown, N. D., Thinks Instruction on Good Highways Ought to Be Given In Public Schools and Mentioned In Political Speeches

North Dakota, especially that portion lying west of the Red river valley, has a soil that is especially adapted by nature for good roads, says Dr. Dwight S. Moore of Jamestown, N. D., in Auto station reports the results of a study of Advocate and Country Roads. As a the causes of an outbreak of gassy fer- general thing, very little attention is paid to the subject of good roads in North Dakota.

Only exceptionally in a wet season is there much necessity for the problem to be considered seriously from the standpoint of traffic and local transportation. The subjects of the advantage of wide tires, of the natural curves which the roads ought to take in order to facilitate the hauling of heavy loads and of a long even pull over comparatively level ground, in preference to short steep ascents in a straight direction toward the goal, are very little considered or thought of apparently by the farmers, the very class of people who should be most deeply interested in such questions.

Even on these prairies a slight impetus was given to the good road movement by the adoption of the blcycle. The use of the bicycle has somewhat dled out as a recreation among people of wealth, culture and education, and as a consequence the use of it has ceased to be so much of a factor in the creation or preservation of good roads.

The automobile has been more than a substitute as an incentive to interest in the subject of good roads everywhere among that class of people who are known as "hustiers" and who make things "get along some" when the want to obtain any desired object. The probability is that a dozen automobile enthusiasts in any community will do more in accomplishing the creation and preservation of highways presenting a smooth, round, hard surface and few difficult grades at all seasons of the year than 500 farmers, although the latter should be more strictly interested in the same problem. But the farmers seem to lack organization and just



BAD ROADS KEEP THE FARMER POOR. how to go about it to obtain the objects desired, or else they really have not considered the subject enough to get use for milk could be utilized for this enthusiastic over it. In other words, I think the diffusion of the automobile When a factory once becomes badly throughout the country is going to be infected thorough disinfection is con- the principal factor in the furtherance



points in the operation of a cream separator by the farm dairyman, given in their order of importance as bearing on the quality of the work, are \$7; alfalfa, \$10. summarized as follows by an authority on buttermaking:

First .- The speed of the separator \$18 to 19. must be uniform and up to the standard required by the makers of that particular machine.

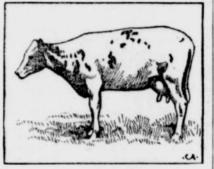
Third .- The amount of milk that is run through the machine should remain constant and should not be increased over that which is intended for the machine.

Fourth .- The machine should be set on a solid base or foundation, so that 14 there will be no jar or shaking about as it is turned, such as would tend to Oregon full cream, 15c. interfere with the even flow of the milk through the bowl and thus destroy its 17 efficiency in skimming.

Fifth.-The separator must be kept thoroughly and scrupulously clean, particular care being taken that none of the tubes through which the nilk flow becomes obstructed in any way.

Sixth.-The test of the cream can be readily changed by changing either the cream outlet or the skim milk outlet.

Record For Continuous Milking. Hoard's Dairyman gives the portrait and some details about this Holstein cow, Carren Wase De Kol, seen in the



CARREN WASE DE KOL.

fine herd of R. M. Hotaling of San Francisco. Her owner claims for her the world's record, April, 1905, for continuous milking. She has made 20.13 pounds of butter fat in seven days and 16.96 pounds of butter fat in seven days after 270 days' continuous milk-

The Cost of Milk Production. The New Jersey experiment station demonstrates that with cows yielding 6,500 pounds of milk per head per year the cost per quart is about 2.4 cents. What must be the cost of the quart in the case of the 5,000 pound cow, the 4,000 pound cow, the 3,000 pound cow and the 2,500 pound cow? Will not the cost range higher as the yield ranges lower? If the 6,500 pound cows put 2.4 cents

Market Reports. Portland, April 26, 1906. GRAIN, PRODUCE, FEED. Wheat-Walla Walla, 67c; Valley, S8c; bluestem, 68 red, 65c. Oats-White \$28; gray, \$28. Barley-Brewing, \$23.50; feed, \$23.50; rolled, \$24 to 25. Hay-Timothy, \$9.50 to \$10.50; clover, \$8,50 to \$9; cheat, \$6,50 to Millstuffs-Middlings, \$25 to 26; chop, \$19; bran, \$17 to 18; shorts Flour-Hard wheat, patent, \$3.85; straight, \$3.40; gra-ham, \$3.50; rye, \$5; whole wheat particular machine. Second.—The temperature of the milk should be such as will make it flow readily; the warmer it is the more per-fect will be the separation. Math., 53,75; valley flour \$3,30to3.45 Dakota, \$6.50 to 7.25; Eastern rye, \$5.40; Pillsbury, \$6.20 Corn.—Whole, \$24; cracked, \$25 per ton. Rye-\$1.50 per cwt. PRODUCE. Butter-Fancy creamery, 20 21e; city creamery, 20c to dairy, 14 to 15c; store 14 to 15c. Cheese-Young America, 16c, Eggs - Fresh Oregon ranch Poultry-Roosters, 8 to 9c; hens

14; fryers, 101c to 11; broilers 2d to 22c; geese, live, 8 to; 8.50 dressed, 11-111/2; turkeys. live, 14-15 FRUITS AND VEGETABLES. Apples-Green, \$2.50 to 2.75.

Grape fruit-Crate \$ 3. to 3.50 Cronberries-\$14. Tropical fruits-I.emons, fancy,

\$4.00; choice, 3.25per box; oranges, \$3,25 to 3 50; bananas, 5c per 1b; pineapples, \$4 50 to 5 per dozen. Potatoes-Oregon, 60 to 75c. LIVESTOCK MARKET.

Cattle-Best steers \$4.75 to 5.00; cows ; 3.75 to 4.00; calves, \$4.00 to \$5.00. Sheep-\$6.00 to 6.25. Hogs-\$7 to 7.25

HOPS, WOOL, ETC. Hops-Choice 10 to 11 Mohair, choice 25 to 28c.

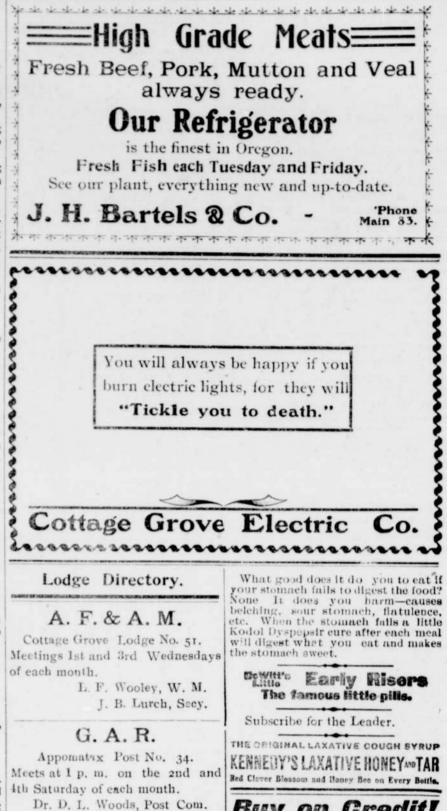
Wool-Valley 26 to * 27 c; East, ern Oregon 18 to 20c.

INDIGESTION.

No appetite, loss of strength, ner-vousness, headache, constipation, bad breath, general debility, sour risings, and catarrh of the stomach are all due to indigestion. Kodol Dyspepsia Cure cures indigestion. This new dis-covery represents the natural juices of digestion as they exist in a healthy stomach, combined with the greatest known tonic and reconstructive prop-

stomach. Kodol Dyspepsla Cure after meals is not only thoroughly reliable digest-

day of each month. cows will put 2.7 cents, the 4,000 pound ment that is contained in such food as may be eaten. Kodol Dyspepsia Cure clears the





G. W. McReynolds, Adjutant W. O. W. Bohemia Camp No. 260.

erties. Kodol Dyspepsia Cure does not only cure indigestion and dys-pepsia, but the famous remedy cures all stomach troubles by cleansing, purifying, sweetening and strengthen-ing the mucous membranes lining the strength

ant, but it contains great tonic and reconstructive properties as well. This famous remedy enables the stomach and digestive organs to thor-oughly digest, assimilate and contri-bate to the tissues all of the nourish-

If steam is at hand, even a momentary ways. exposure is sufficient to destroy its viof a factory a 2 per cent solution of hot lye will prove effective.

Increase of Milk Fat.

A bulletin from the agricultural extwelve pounds per cow per day, which conclusions is that in a herd of poorly fed cows an abundant ration easily digestible and rather nitrogenous in character continued through two years resulted in an average increase of onefourth of 1 per cent of fat in the milk, which was about 6 per cent of increase on the quantity given. This was accompanied by an increase of about 50 fat produced, and the increased production was secured economically.

Washing the Separator.

part of a separator should be thor-Some good washing powder should be right side of the good roads movement. dissolved in the water used. Scald or steam the parts and let dry while hot, using no cloths, for they are a great source of contamination.

Loss In the Dairy.

flavored butter or cheese.

sidered necessary to destroy the germ. of the movement in favor of good high-

Of course a campaign among the tality, but where reliance is had only on farmers ought never to be neglected. a scalding temperature (150 degrees F.) They use the roads more than any othit is necessary to prolong the period of er class of people, and good roads are exposure for at least ten or fifteen min- more vital problems with them than utes. For washing the walls and floor with any other class. Those interested in the subject of good roads, therefore, ought never to neglect an opportunity to hammer away at the mass of the

people on the subject and convince them by every possible means that the periment station of Cornell university problem of good highways for pedesdescribes experiments carried out on trians, horsemen, bleycles and autoten cows to ascertain whether the fat mobiles is one of the most essential facin milk could be increased by liberal tors in the upbuilding of the wealth feeding, mixtures of such foods as cot- and property of the country. I think tonseed meal, wheat bran, gluten feed, instruction on the subject ought to be buckwheat middlings and linseed meal given in public schools, and especially being given, as much as the animals in the country schools, so that every would consume readily, in most cases boy might understand how important, in a commercial way, this subject is one cow exceeded. The summary of and how to go about it to improve the local condition of the roads in his immediate neighborhood.

The demonstration by machines, etc., of the making of good roads by special trains going through the country and stopping here and there in different localities is, of course, an excellent proposition, but it would take a century if this were the only means to accomplish per cent in total amount of milk and anything in the way of results. The country is too vast.

> The agricultural department puts out a large quantity of literature on that

subject which is accessible to any one When in regular use many cream having interest in it and who will send separators are washed only once a day for it, but very few of the class of peoand flushed once a day, says Kimball's ple whom it is desired to reach know Dairy Farmer. This is far from thor- about it or will take the trouble to send ough cleansing. Running cream through to the department for literature. Ina dirty separator is similar to running struction upon the subject ought to be it through a dirty strainer with all the forced upon them through the columns filth of the previous milking left in it of the farmer's paper, periodicals and from twelve to twenty-four hours. popular magazines which are every-The millions of undestrable bacteria where reaching the homes of the westfrom the dirt, manure and slime lodged ern farmer at this time. No political in the separator bowl spoil all the milk speech, Fourth of July oration, Memoto a greater or lesser degree that rial day address or Thanksgiving serpasses through the machine. Every mon ought to be considered or allowed to be delivered unless it contained a oughly washed each time after using. good rousing paragraph or two on the

Maintenance of Gravel Roads.

In order to maintain a gravel road in good condition it is well to keep piles of gravel alongside at frequent intervals, so that the persons who repair Poorly constructed stable floors, in- the road can get the material without sufficient bedding, negligence in care going too far for it. As soon as ruts or of stables and in properly cleaning the holes appear on the surface some of cows before mliking will surely result this good fresh material should be addin a product unfit for any use and from ed and stamped into position or kept which it is impossible to make good raked smooth until properly consolidated.

A series in the

cow over 3 cents, the 3,000 pound cow close to 3.5 cents and the 2,500 pound cow nearly 4 cents into the quart.

into a quart of milk the 5,000 pound

On the other hand, if the 6,500 pound cow makes milk at a cost of 2.4 cents a quart a 7,500 pound cow will put only about 2 cents into the quart, the 8,000 pound cow only 1.9 cents, and the 9,000 pound and 10,000 pound cows would put proportionately less cost into the quart .- New York Farmer.

When the Cow Freshens.

It is generally advisable to have a cow go dry before she freshens. From four to six weeks is none too long a rest. Many good cows have their milking habits so firmly established that they must be forced dry. The simplest and safest way to stop the milk flow is to cut the feed down to a small allowance of hay and milk but once a day, or empty but half the udder at one milking and the other half at the next, thus alternating till the milk flow ceases. Then more generous feeding should be resumed, but the feeds used should be of a laxative character. A freshening cow is a sick cow and should be treated as such. She should not be exposed to violence, to cold or the state of of eight for the County of a judgment rendered in said Court on the Sth day of March, 1906, in a suit wherein Lillia J. Wheeler was plaintiff and L. S. Pengra and A. F. Wheeler were Defendants and against the state of of eight for the County of a suit wherein Lillia J. Wheeler was plaintiff and L. S. Pengra and A. F. ceases. Then more generous feeding to storms. Her feed should be limited in quantity and be easily digested. As she fully recovers gradually increase her feed to a full varied ration.

Graded Milk.

It is estimated by C. E. Marshall of Michigan that 12 cents per quart is not too high a retail price for milk when all the conditions under which it is proall the conditions under which it is produced and handled are ideal. He argues for the production and sate of milk of different grades on a business basis. Such specifications as seem fair Oregon in order to satisfy said Judgfor the production of 5 cent milk, 6 cent milk, and so on, should be agreed upon by contract between producer and consumer. The producer should decide upon what grade of milk he is willing to produce. The consumer should understand clearly the difference between, say, 5 cent milk and 10 cent milk and should decide what grade be wants.

Dairy Form.

to do with milk giving capacity in pro-portion to feed consumed as the form of the horse does in making of him a of the horse does in making of him a wasteful or an economical feeder. We have all seen slab sided, leggy horses offer for sale for eash, subject to rehave all seen slab sided, leggy horses that required a barnful of hay and fifthat required a barnful of hay and fif-ty ears of corn a day to fill up. There is the same difference in cows. It pays Is the same difference in cows. It pays the farmer to be able to judge of the value of cows by the animal's formdairy form,-Farm and Ranch.

The second second white the second second

way and makes sure the journey from sickness to health and weakness to strength. If the stomach is disor-

dered Kodol will cure it. Kodol Dyspepsia Cure lays the foun-dation for health, and the upbuilding of strength by cleansing, purifying and sweetening the glands and membranes of the stomach, and by supplying natural julces necessary to perfect indigestion, assimilation and nutrition. Kodol digests what you eat, prevents colic, cholera, diarrhoea, flux, dysentery and summer com-plaints generally, and its use will cure indigestion and chronic dyspepsia permanently. Kodol is good alike for young and old. Your druggist

SHERIFFS SALE ON EXECUTION IN FORBCLOSURE.

sells it.

Notice is hereby given that by virtue of an execution and order of sale issued out of the Circuit Court of the State of Oregon for the County of the above named L.S. Pengra De-fendant for the sum of Eight Hun-dred Seventy Three and 30-100 Dollars with interest thereon from said 8th day of March, 1906, at the rate of 9 per cent per annum and Sixty five & no-100 Dollars attorneys fees and the

Court in said County on the 15th day of March, 1906 and said Execution and Order of sale to me directed Commanding me in the Name of the State of ment, costs and accraing costs to sell

The North half of the North East month. Quarter and the North half of the North West Quarter of Section No. Eighteen in Township No. Twenty One South Range No. Three East of the Willamette Meridlan Lane County, State of Oregon.

Now Therefore, In the Name of the State of Oregon and in Compliance Coltage Grove No. 24. with said Execution and Order of sale Meetings 1st, 3rd and 5th Friday of The type of the cow has just as much o do with milk giving capacity in pro-portion to feed consumed as the form M. and 4 o'clock P. M. towit at One o'clock P. M. sald day at the South

Sheriff of Lane County, Oregon.

K. of P.

Meets each Friday evening.

F. C. Coffman, Consul Com.

O. E. S.

Cottage Grove Chapter No. 4.

Mrs. C. H. Burkholder, W. M.

W. S. Bennett, W. P.

Miss Celia Lurch, Secy.

Chas. VanDenburg, Clerk.

Juventus Lodge No. 48. Meets every Wednesday night. L. W. Baker, Chancellar Com. Chas. VanDenburg, K. of R. & S.

I. O. O. F.

Cottage Grove No.68. Meetings every Saturday night. S. S. Shortridge, N. G. Gus D. Gross, Secy.

Royal Neighbors.

Meets 2nd and 4th Wednesday of each month.

Ethel Bisby, Oracle. Mrs. C. W. Wallace, Recorder,

M. W. of A.

Meetings 1st and 2rd Tuesday. LeRoy Woods, Consul. C. W. Wallace, Secy.

K. O. T. M.

Cascade No. 66. Meets every Thursday night.

> O. H. Veatch, Com. R. K. Dennis, Cooter.

L. O. T. M.

Lady Lamson Hive No. 42. ment, costs and accraing costs to sen the following described real property Meets 2nd and 4th Friday of each East Bound 3 and 4 Tuesday W. Bound and Sat only

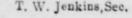
> Mrs. Mary Schmutz, L. C. Miss Leta Sanford, K. K.

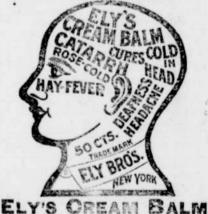
Rebekahs

Etta Baker, N. G. Katie B. Veatch, Secy.

MBA

the above described real property. Dated this 28th day of March, 1906. FRED FISS, O. F. Hall.





This Remedy is a Specific, Sure to Give Satisfaction.

CIVES RELIEF AT ONCE. It cleanses, southes, heals, and protects the diseased membrane. It cures Catarrh and lrives away a Cold in the Head quickly, Restores the Senses of Taste and Smell, Fasy to use. Contains no injurious drawn. applied into the nostrils and absorba Large Size, 50 cents at Druggists or by nail; Trial Size, 10 cents by mail. ELY BROTHERS, EG Warran St

| Cottage Gro | ove HOTEL |
|---|---------------|
| MRS. I. E. | THOMPSON. |
| Rates per day Room and board, pe | er week\$1.00 |
| ARRIVAL AND DEPART NORTH BOUND No. 12 | |

Time Table No. 4 To take effect April 2d, 1905.

| No 3-No 1 | | | l and opt | and Daily Ex- | | | No 2-No 4 | |
|-------------------------|--------|-------|--------------|---------------|------|-------|-----------|--|
| \mathbf{P},\mathbf{M} | A.M | M. | I STRT | IONS | Elev | A.M. | P.M | |
| | 7:30 | | Cottage | Grove | 671 | 11:10 | 5.15 | |
| | 7:50 | | | en | 710 | 10:49 | 5:06 | |
| | 7:56 | | | in | 787 | | 4:59 | |
| 2:59 | 7.59 | 6,3 | . Cerro G | ordo | 770 | 10:38 | 4:58 | |
| 3:04 | 8:04 | 7.7 | . Baker | | 807 | 10:33 | 4:47 | |
| 3:14 | 8:14 | 8.3 | . Doren | A | 841 | 10:30 | 4:44 | |
| 3:17 | 0.17 | 8.0 | Red 1 | KOPK | 821 | 10:23 | 4:39 | |
| \$:30 | [8:20] | 10.6 | Grave | Pit | 901 | 10:20 | 4:36 | |
| 8.35 | 8:35 | 11.3 | Stew | #r1 | 914 | 10:01 | 4:20 | |
| | 8:40 | | | | 917 | 9:48 | 4:16 | |
| 3:41 | 8:45 | 12.8 | Rocky P | oint | 946 | 9:45 | 4:12 | |
| 3:50 | 9:05 | 15.6 | Red Bri | dge | 1020 | 9:35 | 4:05 | |
| 3:55 | 9:15 | 16.6 | Wildwo | bot | 1040 | 9:30 | 4:00 | |
| | | 17.0. | Hunt's | | 1000 | | | |
| Year | | | End of T | rack | | L | | |
| | | | | | | | | |

Subject to enange without notice. Subject to enange without notice. All entward freight forwarded only at the joint risk of shipper and consignee. Stage leaves Wildwood after the arrival of train on Mondays, Wednesdays and Fridays for Bonita and Orsero. Returning on Tues-cays, Thursdayr and Saturdays. Freight will not be received at the 0, & S. E. R. R. Depot after 5 p. m. To insure i forward-ing on next train freight must be del vered in ample time to parmit of it being billed.

A. B. WOOD, Manage