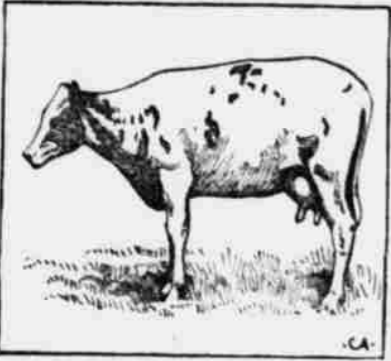




The points in the operation of a cream separator by the farm dairyman, given in their order of importance as bearing on the quality of the work, are summarized as follows by an authority on buttermaking: First.—The speed of the separator must be uniform and up to the standard required by the makers of that particular machine. Second.—The temperature of the milk should be such as will make it flow readily; the warmer it is the more perfect will be the separation. 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 there will be no jar or shaking about as it is turned, such as would tend to interfere with the even flow of the milk through the bowl and thus destroy its 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 milk 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. Hotelling 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 milking.

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 into a quart of milk the 5,000 pound cows will put 2.7 cents, the 4,000 pound 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. 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 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 produced and handled are ideal. He argues for the production and sale of milk of different grades on a business basis. Such specifications as seem fair for 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 he wants.

Clara—I was so confused that I don't remember just how much he kissed me. Maud—What! With the thing going on right under your nose!—New York Life.
Aye! Aye!
Chaufeur (after the race)—Say, Bill, is this your eye? I found it in my tool box—Smart Set.

QUICK RETURN COLUMNS.

Situations Wanted Advertisements Inserted Twice Without Charge.

HELP WANTED.

WANTED—MANAGER FOR BRANCH office we wish to locate here in Astoria; address with references. The Morris Wholesale House, Cincinnati, Ohio. 3-20
CUSTOM INSPECTORS WANTED—10 men, not over 20, to prepare for positions, paying \$75 to \$125 per month; previous experience not necessary; examination May 14th; write at once, E. O. Heymen, 214-15 Columbia Building, Portland, Oregon. 3-1-lwk
WANTED—A YOUNG MAN, WHO IS not afraid of work; good salary. Apply "Z," care Astorian.
WANTED—Girl for general housework; small family. Enquire at Astorian office.
WANTED—A GOOD COMPETENT girl for cooking and general housework; must be good cook. Apply "K", Astorian office. 2-26-tf.

FOR SALE.

THE SHEFFIELD MARINE ENGINE. gasoline, for fish boats; any speed; best made; right price; in stock; on exhibition; running in salesroom; also Fairbanks-Morse Stationary Gasoline Engines. Fairbanks, Morse & Co., First and Stark streets, Portland, Ore. 3-1-lm

FOR SALE—CORNER LOT 50&100, 8 room house, beautifully ornamental Sycamore street shade trees, 150 feet cement sidewalk and park place, lot terraced, two cement steps, both streets recently improved, grand view, one of the finest central locations in the city. Must sell quick. Enquire 207 Ninth street.

FOR SALE—SECOND-HAND 7 COLUMN newspaper outfit; complete except press; cheap. Inquire at this office.

HORSES FOR HIRE.

GOOD SADDLE HORSE FOR HIRE BY hour or day. Apply at Astorian office.

FOR RENT—FURNISHED ROOMS.

FOR RENT—THREE FURNISHED housekeeping rooms. Apply 121 Sixth street. 2-27-11

NOTICE FOR PROPOSALS.

CHIEF QUARTERMASTER'S OFFICE, Vancouver Barracks, Wash., February 12, 1906. Sealed proposals, in triplicate, will be received at this office until 11 o'clock a. m., March 12, 1906, and then publicly opened, for the construction at Fort Stevens, Oregon, of a wagon shed and alteration of stables. Full information will be furnished on application to this office. Plans may also be seen at the office of the Depot Quartermaster, Portland, Oregon; Constructing Quartermaster, Fort Stevens, Oregon. The United States reserves the right to accept or reject any or all bids or any part thereof. Envelopes containing proposals should be indorsed: "Proposals for building wagon shed, etc., Fort Stevens," and addressed to the Chief Quartermaster, Vancouver Barracks, Wash.

CHIEF QUARTERMASTER'S OFFICE, Vancouver Barracks, Wash., February 24, 1906. Sealed proposals, in triplicate, will be received at this office until 11 o'clock a. m., March 23, 1906, and then publicly opened, for furnishing and installing gymnastic apparatus at Fort Columbia, Wash. Full information will be furnished on application to this office, and at the office of the Quartermaster, Fort Columbia, Wash. The United States reserves the right to accept or reject any or all bids or any part thereof. Envelopes containing proposals should be indorsed: "Proposals for gymnastic apparatus, Fort Columbia, Wash.," and addressed to the Chief Quartermaster, Vancouver Barracks, Wash.

LAUNDRIES.

The Troy Laundry

The only white labor laundry in the city. Does the best work at reasonable prices and is in every way worthy of your patronage.
10th and DUANE Sts., Phone 1991.

BUSINESS DIRECTORY

RESTAURANTS.

FIRST-CLASS MEAL for 15c; nice cake, coffee, pie, or doughnuts, 5c, at U. S. Restaurant, 434 Bond St.
BEST 15 CENT MEAL. You can always find the best 15-cent meal in the city at the Rising Sun Restaurant, 612 Commercial St.

Portland Restaurant

278 Astor St.
Good Clean Meals. Excellent Service.
Meals From 15 Cents to 50 Cents.

BROKERAGE.

C. J. TRENCHARD
Real Estate, Insurance, Commission and Shipping.
CUSTOM HOUSE BROKER.
Office 133 Ninth Street, Next to Justice Office.
ASTORIA, OREGON.

Eagle Concert Hall

[320 Astor St.]
The leading amusement house.
P. A. PETERSON, Prop

Parker House Bar

[Cor. Ninth and Astor Sts.]
Agency for Edison Phonographs and Gold Moulded Records.

PROFESSIONAL CARDS.

PHYSICIANS.

JAY TUTTLE, M. D.
PHYSICIAN AND SURGEON
Acting Assistant Surgeon
U. S. Marine Hospital Service.
Office hours: 10 to 12 a.m. 1 to 4 p.m.
477 Commercial Street, 2nd Floor.

DR. J. P. GORAY, Specialist

EYE, EAR, NOSE AND THROAT
205 Oregonian Building.
PORTLAND - - - OREGON

OSTEOPATHISTS.

DR. RHODA C. HICKS
OSTEOPATH
Office Mansel Bld. Phone Black 2066
673 Commercial St. Astoria, Ore.

DENTISTS.

DR. T. L. BALL,
DENTIST.
524 Commercial St Astoria Oregon.

DR. VAUGHAN,
DENTIST
Pythian Building, Astoria, Oregon.

Dr. W. C. LOGAN
DENTIST
578 Commercial St., Shanahan Building

MUSIC TEACHER.

WANTED—THREE MUSIC PUPILS. Inquire at Astorian office.
MANDOLIN LESSONS GIVEN—MRS. C. D. Stewart, 127 Seventh street.

NOTICE.

Notice is hereby given, that the Committee on Streets and Public Ways, the Superintendent of Streets and City Surveyor have filed a certificate of completion of the improvement of Exchange street, from the center line of Twenty fifth street to the center line of Nineteenth street, by Birch & Jacobson, the contractors, in accordance with General Ordinance number 3189 and the contract therefor. That unless objections are filed against the same, the same will be accepted by Ordinance at the next regular meeting of the Common Council.
O. ANDERSON,
Auditor and Police Judge of the City of Astoria.
Dated March 1, 1906. 3-3

ASSESSMENT NOTICE.

Notice is hereby given that the assessment made for the improvement of Harrison avenue from the west line of Thirtieth street to a point ten feet west of the center line of Thirty third street, as per assessment roll number 119, was made by an order of the common council due and payable on the 5th day of March, 1906, by ordinance number 3215, confirming said assessment roll, that the following are the names of the persons against whom the assessment is made, and the amount owing by each to-wit:

LEGAL ADVERTISEMENTS.

To All Concerned.—Notice is hereby given to all concerned that the Morning Astorian will, from this date, to the 31st day of December, 1906, do and perform the public printing for and in behalf of the City of Astoria, of whatsoever nature. OLAF ANDERSON, Auditor and Police Judge of said city. 101.3-6

ASSESSMENT NOTICE.

Notice is hereby given that the assessment made for the improvement of Eighth street from the south line of Grand avenue to the south line of Lexington avenue, as per assessment roll number 118, was made by an order of the common council due and payable on the 3th day of March, 1906, by ordinance number 3216, confirming said assessment roll, that the following are the names of the persons against whom the assessment is made and the amount owing by each to-wit:

Boiling, V.	\$46.02
Barker, Orpha	32.28
Bernard, Joseph	7.17
Beck, Pauline	7.17
Baker, Katharina	1.44
Baker, M.	1.44
Baker, G. L.	1.44
Boyd, Mary A.	1.44
Becker, A.	215.2
Casey, Ella M.	71.73
Clinton, James R.	10.76
Carney, F. J.	1.65
Dealey, Mary F.	36.35
Dealey, Richard	53.80
Dalgity, A. B.	21.52
Davis, J. C.	10.76
Davis, Lucy E.	10.76
Dean, Maria	10.76
Fulton, Ayla	58.13
Fulton, Maud E.	58.12
Flavel, G. O. C.	106.71
Flavel, Mary C.	82.43
Flavel, Nellie	27.48
Flavel, Katie	27.48
Finnlayson, Margret	67.50
Fox, John	8.98
Fox, A. L.	8.97
Ford, Ed.	32.28
Ferguson, Almira E.	119.96
Fisher, Christina	103.85
Gearhart, Celestia A.	116.25
Gregory, W. E.	32.24
Higgins, J. E.	71.73
Hahn, John	32.28
Hawthorn, Montellious	61.23
Hammond Lumber Co.	7.44
Johnson, Irene C.	2.39
Johnson, Mary Alma	2.39
Johnson, Charles	2.39
Jeffers, John H.	32.28
Johnson, George	46.62
Logan, W. C.	32.28
Kronquist, Matt	7.17
Moherg, Betsy	10.76
Monteith, Ima H.	32.28
Miller, Lela Baker	1.43
McAyeal, Alex	12.56
Nelson, Laura	1.65
Olson, Wm.	25.11
Palmberg, Emil	21.52
Parker, C. E.	10.76
Parker, H. B.	7.43
Russell, John W.	35.72
Russ, B. Joseph	35.72
Rowland, Burr L.	5.38
Rappleysa, Addie E.	10.16
Radeloffs, Alice J.	10.76
Robb, Cordelia	2.48
Schermaekau, A.	71.73
Stone, Will E.	21.52
Spadden, Mary C.	7.17
Sloop, B. J.	21.52
Smith, Jennie	7.17
Wright, Margaret J.	35.72
Willis, Lydia M.	5.38
Ward, Anna M.	12.55
Wilson, Oscar F.	4.96

By order of the common council,
OLOF ANDERSON,
Auditor and Police Judge of the City of Astoria. 3-6

NOTICE.

Notice is hereby given that the Committee on Streets and Public Ways, the Superintendent of Streets and the City Surveyor have filed a certificate of completion of the improvement of Harrison avenue, from the West line of Thirty-third street to a point ten feet west of the center line of Thirty-third street, by W. A. Goodin the contractor in accordance with General Ordinance Number 3177 and the contract therefor; that unless objections are filed against the same, the same will be accepted by Ordinance at the next regular meeting of the common council.
OLOF ANDERSON
Auditor and Police Judge of the City of Astoria.
Dated, March 2nd, 1906. 3-4

WOOD YARDS.

WOOD! WOOD! WOOD!
Cord wood, mill wood, box wood, any kind of wood at lowest prices. Kelly, the transfer man. Phone 2191 Main, Barn on Twelfth, opposite opera house.

HOTEL PORTLAND

Finest Hotel in the Northwest.
PORTLAND, ORE.

JUST A MOMENT!

We Want to Talk to You

ABOUT BOOK BINDING

We do it in All the Latest and Best Styles of the Art. . . .

We take your Old Magazines that you have piled away on your shelves and make Handsome Books of them fit to grace any library.

We take your old worn out books with the covers torn off, rebind them and return to you good as any new book.

Let us figure with you on fixing up your Library.

The J. S. Dellinger Co.

Makers of All Kinds of Books

ASTORIAN BUILDING

CORNER COMMERCIAL AND 10TH STREET