

PORTLAND BUSINESS DIRECTORY

THIS IS THE CELEBRATED ANKER-HOLTH SELF-BALANCING CREAM SEPARATOR



What This Separator Will Do.

It will increase your dairy profits 50 to 100 percent if you are skimming your milk the old hand method. It will save you time, and it will save you labor. It will save you repair expense. It will save you money. It is the only separator where the skimmed milk is delivered from the top of the bowl and the cream from the bottom. It is self-oiling, and so clean and sanitary that it could even be placed in your parlor without disagreeable results. It is built with the accuracy of a watch and the strength of a motor. THE ANKER-HOLTH SEPARATOR WILL SKIM MORE CREAM OF A SMALLER QUALITY, that will make more butter, than any other cream separator on the market, and we have the proof to sustain this statement. We want you to know more about this Cream Separator—Write for descriptive catalogues. THE J. C. ROBINSON CO., Portland, Oregon.

THE J. C. ROBINSON CO., Portland, Oregon.

The MAGIC MOP 98¢
Parcel Post Paid SPECIAL
Learn the Housewife's Druggery—No back-breaking. Thousands now in use. Self-erecting. Simple and practical. Full directions with each mop. H. C. FIKORY, 1000 Broadway, New York.

Laugh When People Step On Your Feet

Try this yourself then pass it along to others. It works!

Ouch! ! ! ! ! This kind of rough talk will be heard less here in town if people troubled with corns will follow the simple advice of this Cincinnati authority, who claims that a few drops of a drug called freezone when applied to a tender, aching corn or hardened callous stops soreness at once, and soon the corn or callous dries up and lifts right off without pain. He says freezone dries immediately and never inflames or even irritates the surrounding skin. A small bottle of freezone will cost very little at any drug store, but will positively remove every hard or soft corn or callous from one's feet. Millions of America's women will welcome this announcement since the inauguration of the high heels. If your druggist doesn't have freezone tell him to order a small bottle for you.—Adv.

Saved.
Little Girl (to aunt, who is staying in the house on a visit)—Are you going out, auntie? You've got a hole in your veil.

Aunt—Have I? I'm afraid I haven't time to change it now.

Little Girl—Oh, well, it's not a very big one—and, after all, I don't suppose anyone will know you're my aunt.—Punch.

Proud Of It.
"Your sensible friend may have no superstition, but she is an old hen."
"Maybe she is, but she laid a ghost."—Baltimore American.

Middle Aged Women

Are Here Told the Best Remedy for Their Troubles.

Freemont, O.—"I was passing through the critical period of life, being forty-six years of age and had, the symptoms incident to that change—heat flashes, nervousness, and was in a general run down condition. It was hard for me to do my work. Lydia E. Pinkham's Vegetable Compound was recommended to me as the best remedy for my troubles, which it surely proved to be. I feel better and stronger in every way since taking it, and the annoying symptoms have disappeared."—Mrs. M. GORDON, 925 Napoleon St., Fremont, Ohio.

North Haven, Conn.—"Lydia E. Pinkham's Vegetable Compound restored my health after everything else had failed when passing through change of life. There is nothing like it to overcome the trying symptoms."—Mrs. FLORENCE ISHELL, Box 197, North Haven, Conn.

In Such Cases
LYDIA E. PINKHAM'S VEGETABLE COMPOUND
has the greatest record for the greatest good
LYDIA E. PINKHAM MEDICINE CO. LYNN, MASS.



CARBON PAPER & TYPEWRITER RIBBON

Simmons Carbon Paper Co., 609 E. 59th North. All kinds of carbon paper, extra durable typewriter ribbons.

AGATE CUTTERS & MFG. JEWELERS

Jewelry and watch repairing. Miller's, 356 Wash. St., Majestic Theater Bldg.

AUTO ACCESSORIES

Motors, gears, bearings, wheels, axles, and trailers. We wreck all makes of cars and sell their parts at half price. David Hodges Co., N. Broadway and Flinders.

ACETYLENE LIGHTING SYSTEMS.

Pilot Generators installed. All kinds of Supplies. J. W. Clancy 333 E. Morrison St.

MACHINERY

Cut your own lumber on a Wheeland Portable Sawmill. You will save time and big money on your next lumber bill. With this sawmill you can supply the lumber needs of your neighbors also. The price is reasonable, and the profits will soon pay for the machine. Write for catalog and full details. Clyde Eppert, 18th and Thurman sts., Portland Ore.



NORTONIA HOTEL
PORTLAND, ORE.
Central Location. Beautifully Furnished
Excellent Cafe. 11th and Stark.

EVERYTHING FOR THE OFFICE
OFFICE FURNITURE & APPLIANCES
PRINTING & ENGRAVING & BOOKBINDING

KASSEL, 8080
46548
Netham
FIFTH & CLATSOP STS. PORTLAND, OREGON
COMPLETE LINE OF STEEL
FILING DEVICES AND SYSTEMS

Beneficial All Around.

"This food economy is proving beneficial in several ways."
"Yes. We are reducing the national waist line to protect the coast line."—

Dr. Pierce's Pellets are best for liver, bowels and stomach. One little Pellet for a laxative—three for a cathartic.

History Repeats Itself.

Hub—Any callers today, dear?
Wife—Only the Floods—quite informal—just ran in to escape the shower.
Hub—I see; "the rains descended and the Floods came."—Exchange.

Have a Clear Skin.

Make Cuticura Soap your every-day toilet soap and assist it now and then by touches of Cuticura Ointment to soften, soothe and heal. For free samples address "Cuticura, Dept. X, Boston." At druggists and by mail. Soap 25c, Ointment 25c and 50c.—Adv.

What He Didn't Know.

A countryman, in town for the day, grew so bewildered in crossing a crowded street that he stopped in front of a slowly moving trolley car and was knocked down before it could be stopped. More confused than hurt, he scrambled to his feet right in the path of a motorcycle coming on the other side of the car, and was again bowled over. As he once more got up he looked at the car and then at the motorcycle.
"Huh!" he said. "I didn't know the blamed thing had a coil!"—Harper's Magazine.

The Reason.

"So the bride eloped with the groomsmen. Why do you suppose she did that?"
"Because he was the best man."—Exchange.

Too Far in the Lead.

It was Marian's sixth birthday, and she felt the weight of years on her shoulders. A friend of the family remarked:

"What a big girl you are getting to be, Marian! And you are 6 years old today."

"Yes," replied Marian, swelling with pride, "and if it was not for papa and mamma I should be the oldest in the family."—Exchange.

The Boastful Fat Man.

"Biggles claims that he is an all-round athlete."

"I don't know whether he is an athlete, but he's all round, all right, and getting rounder every day."—Exchange.

A Big Blow.

Two Kansas farmers met at the county seat shortly after a cyclone had visited that neighborhood.

"Well, sir," said one of them, "she shook up things out my way, to be sure. By the way, Henry," he added, "did that new barn of yours get hurt any?"

"I can't say," replied the second farmer. "I haven't found it yet."—Everybody's Magazine.

Perilous Position.

"Have you ever been afraid in the air?"

"Only once," replied the daring aviator. "I was flying rather low—possibly 200 feet above the ground—when I recognized my tailor staring up at me."

"Yes?"

"Then my engine stalled."—Birmingham Age-Herald.

Paradoxical Nourishment.

"Mayme says she likes to feed her mind."

"I don't think she's going to do it by devouring serials."—Exchange.

Home Science.

Teacher—Can any of you children think of a creature not yet mentioned who belongs in the brute creation?

Pupil—My mamma says my papa's one.—Exchange.

KOVERALLS

Reg. U.S. Pat. Off.

Keep Kids Kleen

The most practical, healthful, playtime garments ever invented for children 1 to 8 years of age. Made in one piece with drop back. Easily slipped on or off. Easily washed. No tight elastic bands to stop circulation. Made in blue denim, and genuine blue and white hickory stripes. Also lighter weight, fast-color material in a variety of pleasing designs, all appropriately trimmed with fast-color quilts. All garments made in Dutch neck with elbow sleeves or high neck and long sleeves. Folder (in colors) showing different materials sent free on request.

\$1.25 the suit

If your dealer cannot supply you we will send them, charges prepaid on receipt of price, \$1.25 each.

Satisfaction guaranteed or money refunded.

A NEW SUIT FREE IF THEY KIP

Be sure of imitation. Look for this label.

Made by LEVI STRAUSS & CO., San Francisco

Mfrs. of "Freedom-A-All" the new garment for women

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

REG. U.S. PAT. OFF.

LEVI STRAUSS & CO. SAN FRANCISCO, CAL.

DAIRY

"STARTERS" TO RIPEN CREAM

Technical Work Should Not Be Undertaken Unless Butter Is Made on Commercial Scale.

(Prepared by the United States Department of Agriculture.)

In creameries it is customary to control to some extent the ripening of cream by means of "starters," which are pure cultures of lactic-acid-producing bacteria grown in pasteurized milk. The making of starters is technical work that should not be undertaken unless butter is made on a commercial scale. If the milk and cream are produced under proper conditions, there is no need for using starters. If handled under those conditions and protected from contamination, cream will develop the desired flavor when allowed to ripen or sour naturally at the proper temperatures.

When butter is made on a commercial scale, it may be advisable to control the ripening and thus make a product that is more uniform from week to week.

Commercial cultures for starter making may be obtained from culture manufacturers and from dairy supply houses. Directions for using accompany each package and should be followed carefully.

A natural or homemade starter may be made as follows:

1. Clean thoroughly and boil for five minutes three pint jars and tops. After boiling keep the jars covered to prevent the entrance of bacteria.

2. Take a pint sample of milk freshly drawn from each of three cows, place in the jars, cover, cool to 75 degrees Fahrenheit, and keep at that temperature until curdling occurs.

3. Curdling or coagulation, should take place in about 24 hours. An ideal curd should be firm, smooth, marble-like, free from holes or gas bubbles, and should show little or no separation of the whey. It should have a clean, sharp, sour or acid flavor.

4. Select the sample that most closely meets these conditions and propagate it, discarding the others. The selected sample is propagated as follows:

(a) Clean thoroughly and boil for five minutes a quart jar, the top, and a teaspoon.

(b) Fill the jar with freshly drawn milk, cover loosely, heat slowly to boiling, and—pasteurize by boiling gently for 30 minutes.

(c) Cool the milk to 75 degrees Fahrenheit and add a teaspoonful of curdled milk described in section 3 and set away to curdle at that temperature.

(d) Propagate the starter from day to day in the same manner described in a, b and c. The starter described in c is the one to use for ripening the cream, and should be added in such quantities as to be one-tenth to one-fifth of the cream to be churned.

MILK STERILIZER IS FAVORED

Cheap and Effective Device That Has Important Bearing on High Grade Product.

(Prepared by the United States Department of Agriculture.)

The simple steam sterilizer for dairy utensils developed by the United States department of agriculture is meeting with great favor from municipal milk and health authorities. The device has been demonstrated by the health authorities in 172 cities and 99 officials have written to the department praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer are given in Farmer's Bulletin 748, which will be sent free on application to the department.

Homemade Sterilizer.

ment praising the value of the device in improving the local milk supply.

Thirty-seven health officers report that the device is being made locally for use by dairymen. Several dairy milk inspectors stated positively that the local milk supply has been improved through the introduction of this device. During the past season the sterilizer was demonstrated to more than 6,000 farmers and was made the subject of a campaign in favor of clean milk utensils that reached thousands of dairy farmers. Twenty-six of the state agricultural colleges secured devices to demonstrate to their short-course students. The device is now being made commercially and can be purchased complete with oil stove for \$8.50; or the sterilizer portion alone, which provides apparatus for sterilizing pans, pails, separator parts, small utensils and strainer cloth, can be purchased for \$5.50. Directions for making the home sterilizer