

HAVE YOU A CHILD? IMPROVED QUALITY OF CREAMERY BUTTER

Many parents long for children, but because of the expense of raising them, many are disappointed. The reason is that many of the children born today are born with a weak constitution. Write and learn about it.

"I took your Compound and have a fine, strong baby."—Mrs. JOHN MITCHELL, Mass., N. Y.

"Lydia E. Pinkham's Vegetable Compound is a wonderful medicine for expectant mothers."—Mrs. A. M. MYERS, Greenville, Mo.

"I highly recommend Lydia E. Pinkham's Vegetable Compound before child-bearing."—Mrs. E. W. SALMON, Rowburg, Va.

"I took Lydia E. Pinkham's Vegetable Compound and have the dearest baby girl in the world."—Mrs. MOSE B. HAZLEY, Colport, Pa.

"I praise the Compound whenever I have a chance. It did so much for me before my little girl was born."—Mrs. E. W. SALMON, Rowburg, Va.

"I took your Compound before baby was born and feel I owe my life to it."—Mrs. WANNIE TULLIS, Winter Haven, Florida.

Don't Persecute Your Bowels

Cut out cathartics and purgatives. They are brutal, harsh and unwholesome. They are the cause of the most distressing and dangerous of all ailments. CARTER'S LITTLE LIVER PILLS. Purely vegetable. Act gently on the liver. Stimulate bile. Remove the delicate coating from the bowels. Cure constipation, indigestion, acid stomach, biliousness, headache, nervousness, etc. Each box contains 30 pills. Price 25c. Sold by all druggists.

ABSORBINE

Will relieve Inflammation, Strained Muscles, Tonsils, Ligaments, or Muscles. Stops the lameness and pain from a Sprain, Bruise, or Bone Spavin. No blister, no hair and no pain can be used. It is a simple and effective remedy. Write for descriptive book and sample.

Rest Those Worn Nerves

Don't give up. When you feel all unstrung when family cares seem too hard to bear, and headache, eye headaches, or pains in the back and irregular action of the kidneys and bladder may mysteriously come from a weak kidney, it may be that you only need Dr. Williams' Pink Pills to make you well. When the kidneys are weak there is danger of dropsy, gravel and Bright's disease. Don't delay. Start using Dr. Williams' Pink Pills.

DOAN'S KIDNEY PILLS

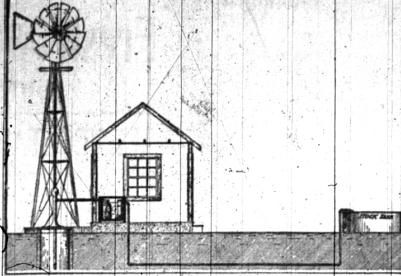
Dr. J. C. Doan's Kidney Pills. For Rheumatism, Gravel, Dropsy, Hematuria, Neuritis, etc. Sold by all druggists.

MOON'S Emerald Oil

THE FAMOUS and UNEXCELLED ANTISEPTIC and GERMICIDE. For Varicose Veins, Ulcers, Hemorrhoids (Piles), Eczema, Fungal Skin Diseases, Abscesses, Sores, and all other eruptions. It is a powerful antiseptic and germicide. It is a powerful antiseptic and germicide. It is a powerful antiseptic and germicide.

ASTHMA

Dr. J. C. Kellogg's Asthma Remedy. The most reliable remedy for Asthma and Hay Fever. Ask your druggist for it. It is a powerful antiseptic and germicide. It is a powerful antiseptic and germicide.



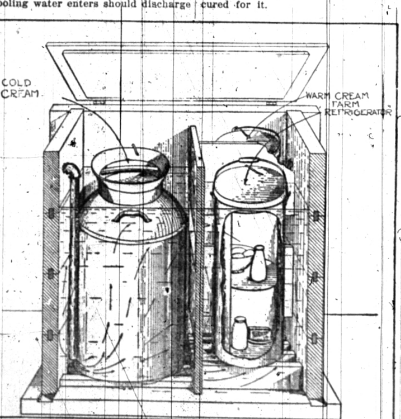
Official Square Cream Cooling Tank.

Dr. J. H. FRANDSEN, Professor of Dairy Husbandry, University of Wisconsin. As a result of market investigation carried on by the United States dairy division some time ago to determine the quality of American butter, a large amount of the butter examined was found to be of inferior quality because of the poor cream from which it had been made. That such a state of affairs exists is no longer a matter of mere possibility but a fact that is being demonstrated by the fact that during the last few years the amount of poor cream has not decreased. When we stop to consider that the production of cream, like butter is one of the leading industries of the nation, the one industry that serves and has served the American farmer well, not only in years of plentiful crops and high prices, but has been a faithful standby in years of crop failures and hard times, it is evident that poor quality in the production of cream means a needless loss of thousands of dollars to the producer. Moreover, it gives foreign butter just the chance it will seek to have to compete in our own markets. Although modern methods and machinery have done much to improve the quality of creamery butter, the most skillful buttermaking using the best of machinery cannot overcome the evil effects arising from the filthy methods followed by some cream producers.

Frequent experiments have shown that low temperatures will greatly retard the growth of most germs and that cream quickly cooled will keep sweet much longer than when it is allowed to cool gradually. The practice of adding warm cream to cream that has been previously cooled is recognized as being extremely undesirable because warm cream raises the temperature of the whole mass sufficiently to start the dominant bacteria to activity, causing them to multiply rapidly, producing large amounts of acid and also undesirable fermentation before the cream is cooled to a point where their growth is checked. Warm cream should be thoroughly cooled before it is added to the cold cream.

From these facts it appears that the most practical means of assuring the proper quality of cream is the disposal of the cream as quickly as possible. Recognizing the great importance of devising a cooling tank that will be at once cheap, practical, and efficient, the department of dairy husbandry of Nebraska, in co-operation with Prof. G. H. McKay and F. W. Bouska of the American Creamery Butter Manufacturers' association have spent much time investigating this problem. An effort has been made to perfect a tank that would be both effective and convenient. Such a tank must be substantially made of good insulating material and able to stand up under hard usage. It must have a tight cover in order to prevent loss of energy due to exposure of the cooling water to the air. The pipe through which the cooling water enters should discharge

near the bottom of the tank and the overflow near the top and at the opposite end and should be of such size that there will be no danger of water rising above the tops of the cans. With these general requirements in mind the committee, together with the co-operation of representatives of local creameries, devised, constructed and experimented with a number of different kinds of tanks to determine their cost and efficiency. As a result the rectangular tank shown in Fig. 1 gave highly satisfactory results. Later a round tank shown in Fig. 2 embodying the features of the rectangular tank, was found to give satisfactory results and has the advantage of being constructed cheaper than would be possible for a rectangular tank. The committee is still working on a substantially built, well-insulated metal tank. Upon the recommendation of the committee the Association of American Creamery Butter Manufacturers adopted the round and the rectangular tanks as shown in above cuts as the official tanks of the association. This association has already taken steps to have these tanks manufactured and distributed to parties interested in the lowest possible cost. To those desiring to build their own tanks plans and specifications will be furnished by the American Creamery Butter Manufacturers' association.



Rectangular Cream Cooling Tank.

Value of Skim Milk. A pint of skim milk will repair more tissue and furnish a little more energy and make about half as much fat as a pint of cream and it will cost less. Five pints of skim milk will furnish as much food value as a pound of ground steak and cost only one-third as much. One quart of skim milk and a half-pint of cream will furnish one-third enough sustenance for an entire day, and will cost five cents. And skim milk is good to eat when in extremely hot weather.

MARKET QUOTATIONS

Live Stock
DETROIT.—Best heavy steers \$7.25 @ 7.40; best heavy weight butchers steers, \$5.60 @ 6; heavy light butchers, \$5.25 @ 5.75; light butchers, \$4.50 @ 5.25; best cows, \$4.64 @ 5.25; common cows, \$4.25 @ 4.75; canners, \$3.30 @ 3.50; best heavy bulls, \$12.50 @ 13.75;ologna bulls, \$4.50 @ 5.25; steak bulls, \$4.00 @ 4.50; feeders, \$2.60 @ 3; steers, \$2.00 @ 2.50; milkers and springers, \$4.00 @ 4.50.
The real cattle trade was active, the tops bringing \$9.00 to \$9.50 and medium and common from \$7.00 to \$8.00. Heavy coarse grades are dull and not wanted.
Best lambs, \$8.45 @ 8.70; fair lambs, \$7.85 @ 8.10; to common hams, \$6.25 @ 6.85; fair to good hams, \$4.50 @ 5.50; hams and combs, \$3 @ 4.
Pigs, \$6 @ 12; light Yorkers \$3.25 @ 3.40; and heavy \$3.40 @ 3.50.

EAST BUFFALO—Cattle Receipts

2,250; market, 20 to 30c lower; choice to prime native cows, \$8.00 @ 9; good, \$7.75 @ 8.25; plain and coarse, \$7 @ 7.50; Canadian steers, 1,400 to 2,000 head, \$8 @ 8.25; do, 1,300 to 1,250 lbs., \$7.25 @ 8; do, 1,200 to 1,150 lbs., \$6.75 @ 7; do, 1,050 to 1,150 lbs., \$6.25 @ 6.75; choice to prime heavy butchers native, \$7.50 @ 7.75; fair to good grassers, \$5.25 @ 5.75; light common grassers, \$5.00 @ 5.25; yearlings, dry, \$5 @ 5.25; prime fat heifers, \$5.50 @ 5.75; best heavy butchers heifers, \$5.50 @ 5.75; light steers, \$4.50 @ 5; best fat cows, \$6 @ 6.25; good butcher cows, \$5 @ 5.50; medium to good, \$4.25 @ 4.75; natives, \$3.75 @ 4; canners, \$3.25 @ 3.50; fat cows, \$3 @ 3.25; fat heifers, \$2.75 @ 3; light bulls, \$5.75 @ 6.25; sausage bullocks, \$4.50; light bulls, \$4 @ 5; best feeding steers, \$5 @ 5.25; common to good, \$3.50 @ 4; fat steers, \$3.50 @ 4; milkers and springers, \$6 @ 9.00.

Hogs—Receipts, 24,000; market \$5 @ 6; lower; heavy, \$6.55 @ 6.75; porkers, \$6 @ 6.50; pigs, \$6 @ 6.25.
Cattle and Lamb—Receipts, 3,800; market active and higher, 10c lambs, \$15 @ 15.25; yearlings, \$7 @ 7.50; weathers, \$5.75 @ 6; ewes, \$5.25 @ 5.50.
Calves—Receipts, 1,100; steady; pigs, \$11 @ 12; fat to good, \$9 @ 10; grassers, \$3 @ 3.50.

Grains, Etc.

DETROIT.—Wheat: Cash No. 2 red, \$1.18 1/2; December option without change at \$1.14 and advanced to \$1.15; May option at \$1.14 1/2 and advanced to \$1.17 1/2; No. 1 white, \$1.19 1/2.
Corn—Cash No. 3, 68c; No. 2 white, 69c bid.
Oats—Standard, 29 1/2c; No. 3 white, 28 1/2c; No. 1 white, 31c @ 32c; sample, 22 @ 23c.
Rye—Cash No. 2, 99c.
Beans—Immediate and prompt shipment, \$3.50; November, \$3.40; December, \$3.20.
Cloverseed—Prime, spot, December and March, \$12; prime alfalfa, \$10 @ 12; Timothy, \$11 @ 12; 1901 crop, \$7 @ 8.
Hay—No. 1 timothy, \$18 @ 19; standard timothy, \$17 @ 18; light raised, \$17 @ 18; No. 2 timothy, \$16 @ 17; No. 3 timothy, \$14 @ 15; No. 4 timothy, \$12 @ 13; No. 1 clover, \$10 @ 12; dry straw, \$5 @ 6; wheat and oat straw, \$4 @ 5 per ton in carlots, Detroit.

Flour—In one-eighth paper sacks, 47c; low bid, jobbing lots, 47c; 1901, \$3.50; second patent, \$5.70; straight, \$3.50; spring patent, \$6.20; eye flour, \$3.50 per bu.
Wheat—In 100-lb sacks, jobbing lots, Bran, \$28; standard middling, \$22; the middling, \$20; coarse, coarsest, \$20; cracked, corn, \$30; corn and oat, \$24 per ton.

General Markets.

Apples—Fancy, \$1.50 @ 1.75 per bu and \$1.25 @ 1.50 per bu; Common, \$1.00 @ 1.25 per bu.
Cabbage—\$1.75 @ 2.00 per bu.
Chestnuts—45 @ 50c per bu.
Onions—Per 100 lbs, \$1.25.
Celery—Michigan, \$1.50 @ 2 per doz.
Tomatoes—Hothouse, 20 @ 22c per bu.
Dressed Hogs—Light, \$14 @ 15; heavy, 7 @ 8c per lb.
Dressed Calves—Fancy, 12 @ 13c; common, 10 @ 11c per lb.
Lard—In 50-lb casks, \$1.50 @ 1.75 per cwt; hothouse, 7 @ 8c per lb.
Maple Sugar—New, 14 @ 15c per bu; Syrup, \$10 @ 11 per cwt.
Nuts—Spanish chestnuts, 10 @ 15c per lb; shell-bark hickory, \$2.25; large hickory, \$2 per bu.
Honey—Choice to fancy new white comb, 15 @ 16c per lb; 1901, 14 @ 15c per lb; extracted, 4c per lb.
Potatoes—Michigan, 6 @ 7c; Minnesota red, 5 @ 7c; Minnesota white, 5 @ 6c per bu in sacks.
Sweet Potatoes—Tennessee, \$1 @ 1.10 per hamper and \$3.25 per bu; Virginia, 90 @ 95 per bu and \$2.50 per bu.
Live Poultry—No. 1 spring chickens, 12 @ 14c; medium spring chickens, 12 @ 14c; heavy hen, 12 @ 13c; medium hen, 11 @ 12c; light hen, 10 @ 11c; broilers, 10 @ 12c; geese, 12 @ 14c; turkeys, 10 @ 12c; spring turkeys, 2 @ 2.25c.

ONE ON THE OLD SQUIRE FOR THAT SORE THROAT

Child's Microconization that Must Have Been in a Slight Degree Disconcerting.
The sturdy old squire was giving a little treat to the village school children. After supper he stepped on to the platform and announced, with a beaming smile:
"Now, I am going to perform certain actions, and you must guess what they represent. The boy or girl who succeeds first will receive a quarter."
That did it. Instantly every eye was fixed on him.
First of all the old gentleman lay down on the platform. Then one man came forward and tried in vain to lift him. Two others came to his aid, and between them they raised the squire, who was rather portly.
The actions were meant to represent the motto, "Union is strength." When they had finished, the squire stepped forward and asked if any child had solved the puzzle.
At once a grubby hand shot up and an eager voice sounded:
"Let sleeping dogs lie."

CLEAN SWEET SCALP

May Be Kept So by Cuticura Soap and Ointment, Trial Free.
To have good hair care the scalp of dandruff and itching with shampoo of Cuticura Soap and touches of Cuticura Ointment to dandruff spots and itching. Nothing better than these pure fragrant, supereffective emollients for skin and scalp troubles. Sample each free by mail with Skin Book. Address: Cuticura, Dept. XY, Boston. Sold everywhere.

An Improved Quinine, Does not Cause Nervousness nor Ringing in Head

The happy exclamation of patients in L. & A. T. is "My QUININE." It is the Quinine in this form, but it is not the ordinary Quinine, and it can be taken by anyone who is suffering from malaria. Look for the full name, Laxative Bismuth Quinine. Look for signature of E. W. Grose, Inc.

How Could He?

Doctor—Stick out your tongue far—
Boy—Can't. It's fastened to my neck—Judge.
"What do you do with your car when your wife is a life?"
"Everything—Alive!"

Not a Quiet Talker.

Owner—Is your wife talking so little?
Exchange.
Dr. Pierce's Pills are best for liver and bowels. One bottle will cure a liver or a bowels. Write for a free trial.

Men and Women

Women as well as men are made miserably unhappy by the great kidney ailment, which is highly recognized by those who suffer from it. The reason that so many people say it has passed over them is that they are in thousands of cases the most distressing cases.

Bumper Grain Crops

Prizes Awarded to Western Canada for Wheat, Oats, Barley, Alfalfa and Grasses
The winners of Western Canada at the Soil Product Exposition, Detroit were: wheat, the best imported wheat, Oats, Barley and Grasses, the most important being the prize for Wheat and Oats and every grade of alfalfa.
No less important than the splendid quality of Western Canada's wheat and other grains, is the excellence of the cattle feed and the fact that the crop of wheat, a recent shipment of cattle to Chicago, topped the market in that city for quality and price.

Free with SKINNER'S Macaroni Products

Send the coupon below and learn how you can get a complete set of ONEIDA COMMUNITY PAR FLATE SILVERWARE free by saving the trade-mark signature from Skinner packages. Silverware of quality. Guaranteed ten years. Beautiful Bridal Wreath pattern. Skinner's products are made from the finest durum wheat, in the largest, cleanest and most sanitary macaroni factory in America. There are nine kinds of Skinner Products—Macaroni, Spaghetti, Egg Noodles, Cut Macaroni, Cut Spaghetti, Elbows, Soup Rings, Alphabetos, Vermicelli. These can be cooked fifty-eight different ways.
"Combining with cheap cuts of meat into a delightful dish, or with cheese, tomatoes, fish, mushrooms, oysters, etc."

Abolish

Joint spurs—by abolishing them, you can get rid of your rheumatism, neuralgia, sciatica, lumbago, etc. They put on your joints. The best foot spur is the one that never comes back. For more information, write to: RICE & HITCHCOCK, Inc., 141 High St., Boston, Mass.

EDUCATOR SHOE

Doctor—Stick out your tongue far—
Boy—Can't. It's fastened to my neck—Judge.
"What do you do with your car when your wife is a life?"
"Everything—Alive!"

BLACKS OPTICIANS

Dr. Pierce's Pills are best for liver and bowels. One bottle will cure a liver or a bowels. Write for a free trial.

Patents

W. N. DETROIT, No. 48-1015.

Important to Mothers

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of Dr. J. C. Skinner in Use For Over 30 Years. Children Cry for Fletcher's Castoria.

The Exception.

"All the world loves a lover."
"Except the boss who is expected to raise his salary on the wedding day."