



BOTTLE WITH A CREAM TAP

Device is Extremely Simple, Differing Only by Having Lateral Neck—Tube Worked Easily.

When unskimmed milk is delivered to the consumers in the usual type of bottle, the cream forms a layer floating on the milk, says the Scientific American. In pouring out the contents of the bottle they are necessarily more or less disturbed and mingled. To provide a bottle that shall be free



Milk Bottle With a Cream Tap.

from this defect is the purpose of recent patents here illustrated. The device is extremely simple, resembling in general outline the customary milk bottle, from which it differs by having a lateral neck formed about the point where the bottle reaches its largest diameter. Through this neck a curved tube of glass, paper or other suitable material is inserted, being free to slide in and out a certain distance, or to rotate about its axis. Both necks are closed with paper lids in the usual way. The operation of the device is so straightforward as to hardly require explanation. When it is desired to draw off the top layer of the cream the curved tube is turned with its inner end directed upward. If cream from a lower layer is required, the tube is turned accordingly. In transit, the tube is pushed in as far as it will go, to protect it against injury.

APPLYING LIME WITH DRILL

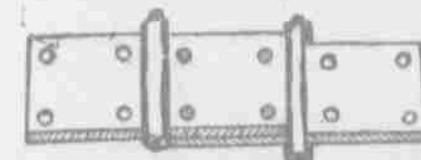
Success Made by Removing Rubber Pipes or Hose and Cast-Iron Boxes—Gauge Regulates.

Formerly my neighbors, as well as I, have had trouble with the lime clinging to the rubber pipes or hose, and even the cast-iron boxes or cups to which the rubber hose is attached. So this year we removed the whole, rubbers, cast-iron boxes or cups and all, and let the lime pour down in small open streams from each opening in the flat disks pushed it out of the fertilizer box. It is a perfect success, and the gauge can be set to spread from 500 to 900 pounds per acre. The lime drops right down around the hose and is partly covered by them. Then we harrow the land crosswise, then drill in the wheat with 250 pounds of 14 per cent acid phosphate per acre, put alike both on the four acres that have been limed and the four acres that have not been limed. The experiment costs little besides the \$5.70 per ton that the lime costs, laid down at our station, and "I want to know, don't ye know," whether there is anything in lime for clay land like mine which is already quite rich from the glacial lime deposits?

EASILY MADE SPRING HINGE

Where Double Door Is Desired Method Shown in Illustration Will Be of Value.

Where a spring hinge is desired for a double swing door, the method of putting two ordinary hinges together as shown in the illustration, will be of value. To make the upper and lower hinges two pairs of spring hinges are used, as employed for hanging screen doors, these are riveted together with the springs on opposite sides.



Spring Hinge.

ute sides, or back to back, as illustrated. The rivets must be flush with the face of the middle section. The door can be mortised so that the middle section of hinge will set into same, as must be done with any double-swing spring hinge.

Obstructed Teats.
If the cow has obstructed teats, be very cautious about inserting milk tubes, probes or quills. Nothing of the kind should be inserted in a cow's teat, excepting as a last resort, and then only with the most extreme care and cleanliness.

Foaming Cream.
If the cream in the churn foams up and runs over the churn is too full or the cream is improperly ripened.

FEEDING COW WHOLE GRAINS

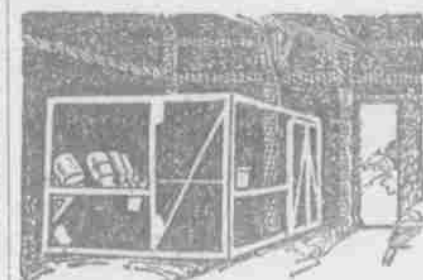
Inadvisability of Ration, Has Been Demonstrated by Experiment Stations and Owners.

It is seldom advisable to feed whole grain to dairy cows. This has been demonstrated time and time again, both by experiment stations and individual dairy men and farmers. The animals cannot make as good use of whole grain as of grain that has been ground. The Michigan station has furnished some exact data on the subject that are worth attention. The work was very carefully done and the results reported as follows: When whole corn was fed to cows 22.75 per cent passed through them unmodified; when fed to heifers, 10.77 per cent, and when fed to calves, 6.28 per cent. When whole oats was fed to cows, 12.06 per cent passed through them unmodified; when fed to heifers, 5.48 per cent, and when fed to calves, 2.98 per cent. Whole corn and oats not masticated when fed to cows, 26.46 per cent; to heifers, 15.59 per cent, and calves 5.73 per cent. Chemical analysis showed practically the same composition of grain before feeding. Therefore it is safe to conclude that the animal derives no benefit from grain which passes through the digestive tract unmodified. The results show two things: First, that feeding whole grain to cows and heifers is a very wasteful practice; second, that the younger animals are more capable of masticating their feed than older ones.

CAGE FOR DRYING MILK CANS

Proper Way to Purify Utensils is to Invert Them in Pure Air—Screened-In Room Best.

I believe the proper way to purify milk utensils is to invert them in pure air. For a long time our method was to turn the cans and pails over pegs set in the ground outside the barn, says a writer in the Farm and Home. The chickens were always scratching



Clean Place to Air Utensils.

up dirt about them and very often it was necessary to wash some of the utensils a second time. Finally we built a screened-in room near the big door in the barn. The door was open most of the time, so the utensils got plenty of air. They were put on pegs inside of this room and cats and chickens were kept away from them entirely. I think some day we shall move this cage out of doors.

Separator Milk.

Separator milk is a good pig feed, but not a perfect pig feed by any means, and unless cornmeal and middlings or ground oats is fed in thick slop, pigs are liable to drink so much milk that fermentation takes place in their stomachs instead of normal digestion taking place, with the result that they bloat up and die. Don't put medicated salt in the drink of a pig. It may do to mix some in his meal, but the best way is to mix the salt with ashes and some charcoal and let the pig eat it at will.



DAIRY NOTES

Breed for fertility in your cows. Your heifers are your future cows.

A dairy cow is not constructed to stand exposure.

Sugar beet pulp is a very good feed for milk cows.

The dairy cow should essentially be a large and rich milker.

The first and greatest law of breeding is "like begets like."

Comfortable shelter goes a long way towards making dairymen pay.

Never offer a poor pound of butter for sale; rather, feed it to the pigs.

The Guernseys have always been noted for possessing a strong body.

The best time to feed rutabagas to dairy cows is immediately after milking.

The kicking cow is probably the most aggravating member of a herd.

Study and work to have your cows do their best, then do your part with the milk.

When a cow has been dry for some time be gentle with her when she freshens again.

The greatest aid in the prevention of scouring and care of all dairy products is temperature.

The strong cow is one that will raise a calf every year and produce a large quantity of milk.

Keeping the cows comfortable is a neglected point in the management of the herd during the fall months.

The milk pail should be the main consideration, but not the sole one in judging the value of the dairy cow.

The strong cow can eat and digest large quantities of food, and this is essential for the production of big milk yields.

Stops Lameness

Sloan's Liniment is a reliable remedy for any kind of horse lameness. Will kill the growth of spavin, curb or splint, absorb enlargements, and is excellent for swellings, fistula and thrush.

Here's Proof.
"I used Sloan's Liniment on a sore for 'high lameness' and cured her. I am never without a bottle of your liniment; have bought more of it than any other remedy for pains." *Billy Kiser, Cassidy, Ky.*
"Sloan's Liniment is the best made. I have removed very large shoe bolts off a horse with it. I have killed a quarter crack on a mare that was awfully bad. I have also healed raw, sore heels on three horses. I have healed grain heat on a mare that could barely walk." *ANTHONY G. HINES, Oakland, Pa., Route No. 1.*

SLOAN'S LINIMENT

is good for all farm stock. "My horse had leg chills three days before I got your liniment, which I was advised to try. I have used it now for three days and my horse is almost well. One leg died before I got the liniment, but I have not lost any sleep." *A. J. McCARTHY, Idaville, Ind.*



Sloan's Book on Horses, Cattle, Hogs and Poultry, sent free. Address **Dr. Earl S. Sloan**, Boston, Mass.

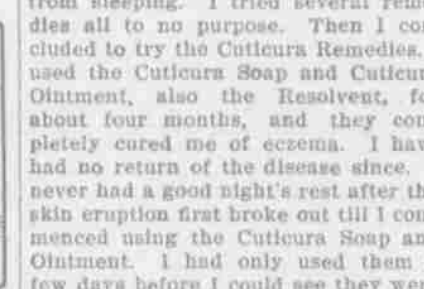
Make the Liver Do its Duty

Nine times in ten when the liver is right the stomach and bowels are right. **CARTER'S LITTLE LIVER PILLS** gently but firmly compel a lazy liver to do its duty. Cures Constipation, Indigestion, Sick Headaches, and Distress After Eating. SMALL PILL, SMALL DOSE, SMALL PRICE. Genuine must bear Signature *Wm. Wood*

Right Place. "Henry may be a bad student, but at least he is consistent." "In what way?" "I caught him swearing over his profane history."

ERUPTION COVERED BODY

"Three years ago this winter I had a breaking out that covered my whole body. It itched so it seemed as if I should go crazy. It first came out in little pimples on my back and spread till it covered my whole body and limbs down to my knees, also my arms down to my elbows. Where I scratched it made sores, and the terrible itching and burning kept me from sleeping. I tried several remedies all to no purpose. Then I concluded to try the Cuticura Remedies. I used the Cuticura Soap and Cuticura Ointment, also the Resolvent, for about four months, and they completely cured me of eczema. I have had no return of the disease since. I never had a good night's rest after the skin eruption first broke out till I commenced using the Cuticura Soap and Ointment. I had only used them a few days before I could see they were beginning to heal, and the terrible itching was gone."



"Those that lived in the house at the time know how I suffered, and how the Cuticura Soap and Ointment cured me. I never take a bath without using the Cuticura Soap, and I do not believe there are better remedies for any skin disease than the Cuticura Soap and Ointment." (Signed) Miss Sarah Calkins, Waukegan, Ill., Mar. 16, 1911. Although Cuticura Soap and Ointment are sold by druggists and dealers everywhere, a sample of each, with 32-page book, will be mailed free on application to "Cuticura," Dept. 5 K, Boston.

The love of the beautiful is becoming not only the possession of the rich, but the desire and possession of the very poor.—Rt. Hon. John Burns.

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. Fletcher* in Use For Over 30 Years. Children Cry for Fletcher's Castoria

After a man has been married about a year he begins to wonder why his friends didn't get busy and have him locked up before he did it.

DIET FOR THE TUBERCULOSIS

General Idea That Too Much Food Cannot Be Given, Is Shown to Be Erroneous.

Many traditions with regard to the feeding of tuberculosis patients and with regard to food in general, are given severe blows in a series of articles published in the October number of the Journal of Outdoor Life, the official organ of the National Association for the Study and Prevention of Tuberculosis. Dr. John B. Murfin of New York, assistant professor of physiology at the Cornell university medical college, holds in an article entitled "The Dynamic Principles of Nutrition" that a consumptive will gain weight and do well on three pints of whole milk, eight ounces of cream, five ounces of milk sugar, six eggs and two slices of buttered toast as a ration for 24 hours. The entire diet, with the exception of the bread and butter could be prepared in advance and served for a cost of about fifty cents for the day. Miss Cecilia Flick of the Henry Phipps Institute of Philadelphia also offers some sample diets which the ordinary family can prepare for even less than fifty cents a day.

Dr. David R. Lyman of Wallingford, Conn., and Dr. Paul B. Johnson of Washington, D. C., both agree that the ordinary person eats too much, and that the old notions about stuffing a tuberculosis patient at all times and seasons have been proven false. Dr. Lyman holds that eggs are not a necessary article of the consumptive's diet, and that a tuberculosis patient should eat anything that agrees with him that is nourishing. He thinks that a tuberculosis patient should eat only a little more than a person in ordinary good health.

Distemper

In all its forms among all ages of horses and dogs, cured and others in the same stable prevented from having the disease with Sloan's Distemper Cure. Every bottle guaranteed. Over 700,000 bottles sold last year, \$3.50 and \$1.00. Good druggists, or send to manufacturers. Agents wanted. Write for free book. Sloan Med. Co., Spec. Contagious Diseases, Guilford, Ind.

Pleasible.

Sunday School Teacher—Why was the fiery furnace seven times heated? Tommy—I suppose it went out between times.

Blood Poisoning is often caused by slight cuts or wounds. Death may result. Fleming's Wizard Oil will draw out the poison, heal the wound and prevent serious trouble.

Lots of men who sit around on dry goods boxes and growl about hard times would consider it an insult if anyone were to offer them a job.

CHRISTMAS POST CARDS FREE Send stamp for five samples of my very choice Gold Embossed Christmas and New Year Post Cards; beautiful colors and latest designs. Post Card Club, 711 Jackson St., Topeka, Kansas

What makes old age so sad is, not that our joys, but that our hopes cease.—Richter.

WHAT'S THE MATTER WITH YOUR BABY?

The young mother—and many an old one, too—is often puzzled to know the cause of her child's ill nature. The loudness of its crying, even not necessarily indicate the seriousness of its trouble. It may have nothing more than a headache or a feeling of general dullness. It cannot, of course, describe its feelings, but as a preliminary measure you are safe in trying a mild laxative. Nine times out of ten, you will find it is all the child needs, for its restlessness and peevishness are perhaps due to obstruction of the bowels, and once that has been remedied the headache, the sluggishness and the many other evidences of constipation and indigestion will quickly disappear. Don't give the little one salts, cathartic pills or navy water, for these will act as purgatives, and they are too strong for a child. In the families of

Mrs. J. S. Stanley, Seymour, Mo., and Mrs. Benjamin Lockhart, 223 University St., St. Louis, Mo., the only laxative given is Dr. Caldwell's Syrup Pepsin. It has been found to answer most perfectly all the purposes of a laxative, and its very mildness and freedom from gripping stimulant. Thousands of American families have been enthusiastic about it for more than a quarter of a century. Anyone wishing to make a trial of this remedy before buying it in the regular way of a druggist at fifty cents or one dollar a large bottle (family size) can have a sample bottle sent to the home free of charge by simply addressing Dr. W. B. Caldwell, 261 Washington St., Monticello, Ill. Your name and address on a postal card will do.

To Introduce the Gate-Post

WE OFFER THE FOLLOWING PRIZES:

First prize, \$15.00 Third prize, \$5.00

Second prize, \$10.00 Fourth prize, 100 Gate Posts

To any one person making the most correct words out of the eight letters in GATE POST not using the same letter twice in any one word. Each contestant list must be accompanied with a Gate Post tin foil wrapper and mailed to SPRENGER BROTHERS, PEORIA, ILL.

THIS CONTEST CLOSES DECEMBER 1st, 1911. ASK YOUR DEALER FOR GATE POST TIN FOIL WRAPPER

Natural Ending. "Our cook's dead." "Indeed? Did she die a natural death?" "Yes, the natural death of a person who tries to light a fire with kerosene!"—Stray Stories.

Dr. Pierce's Pleasant Pellets regulate and invigorate stomach, liver and bowels. Sugar-coated, tiny granules. Easy to take as candy.

A woman may not be able to make a fool of every man she meets, but she can make something just as good.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, etc. a bottle.

Every corrupt judge examines badly the truth.

Lewis' Single Binder, extra quality tobacco, costs more than other 50 cigars.

In order to become a nuisance you have only to hunt up a grievance.

DOESN'T STOP TO CHEW.

Gentle Willie—Does that bull terrier of yours ever bite?



Mrs. Subbubs—No, he generally swallows everything whole.

Urgent Necessity.

A distinguished theologian was invited to make an address before a Sunday school. The divine spoke for over an hour and his remarks were of too deep a character for the average juvenile mind to comprehend. At the conclusion, the superintendent, according to custom, requested some one in the school to name an appropriate hymn to sing.

"Sing Revive Us Again," shouted a boy in the rear of the room.—Life.

Early Training.

"She claims that her ancestors stood torturing with red-hot pincers." "I believe it. She can wear shoes three sizes too small and look happy."—Harper's Weekly.

Definition of Velocity.

Teacher—What is velocity, Johnny? Johnny—Velocity is what a chap lets go of a wasp with.

Lewis' Single Binder, straight 50—many smokers prefer them to 10c cigars.

There are many who recite their writings in the middle of the forum.

WOMAN'S ILLS

Many women suffer needlessly from girlhood to womanhood and from motherhood to old age—with backache, dizziness or headache. She becomes broken-down, sleepless, nervous, irritable and feels tired from morning to night. When pains and aches rack the womanly system at frequent intervals, ask your neighbor about

Dr. Pierce's Favorite Prescription

This Prescription has, for over 40 years, been curing delicate, weak, pain-wracked women, by the hundreds of thousands and this too in the privacy of their homes without their having to submit to indelicate questionings and offensively repugnant examinations.

Sick women are invited to consult in confidence by letter free. Address: Dr. J. C. Pierce, M. D., Free's, Buffalo, N. Y.

Dr. Pierce's Great Family Doctor Book, The People's Common Sense Medical Adviser, newly revised up-to-date edition—1000 pages, answers in Plain English hosts of delicate questions which every woman, single or married, ought to know about. Sent free to any address on receipt of 31 one-cent stamps to cover cost of wrapping and mailing only, in French cloth binding.

Most Fleckle Man.

When Col. William M. Howard, now a member of the tariff board, was electioneering for congress one autumn in hygonne days, he struck a backwoods county in Georgia, and got very busy talking softly to the voters. He was much concerned about a man named John, who was now for him, then against him, and always changeable.

"What's the matter with John?" the colonel asked one of his constituents. "Aw, you can't tell nothing' about John, colonel," was the assurance. "He is the most fleckle man you ever saw. Why, he has had religion no many times, and been baptized in the creek down here so often that the bullfrogs know him every time he's 'maered."

Not for Him.

Farmer Hayseed (in the city)—I want to find an eatin' house.

Accosted Pedestrian—Are you looking for any particular place?

Farmer H.—Well, not too turned p'tickler.—Boston Transcript.

The time a man begins to fear for the future of his country is when he fears he is going to lose a job in the election.

COLDS Cured in One Day

As a rule, a few doses of Munyon's Cold Remedy will break up any cold and prevent pneumonia. It relieves the head, throat and lungs almost instantly. Price 25 cents at any drugstore, or sent postpaid.

If you need Medical advice write to Munyon's Doctors. They will carefully diagnose your case and give you advice by mail, absolutely free. Address: Professor Munyon, 33d and Jefferson streets, Philadelphia, Pa.

Penits Eye Salve

QUICK RELIEF SORE EYES

PATENTS

WATSON R. COLEMAN, Wash. D. C., U. S. Patent Office, High St. Room 200. Inventor. Send to him for free information.

DEFIANCE STARCH

Send to write with starch starch clothes shoes.

44 Bu. to the Acre

In a heavy field, but that's what John Kennedy of Minnesota, Albert, Western Canada, and from scores of Spring Wheat in 1910, reports from other districts—see also 4-50 bushels of wheat from 120 acres, or 42 1/2 bu. per acre, 25.00 and all bushel yields were impressive. As proof of this, 12 bushels of oats to the acre were threshed from the same field in 1910.

The Silver Cup

At the recent Session of the United States and Canada, the Silver Cup was awarded to the best wheat grower in the world.

Maximilian of Austria, Emperor of Austria and King of Hungary, reports of excellent crops for 1910 from the United States and Canada.

Free homesteads of 160 acres, and adjoining pre-emption of 320 acres (at \$3.00 per acre) are to be had in the richest wheat lands.

Schools, convenient, climate excellent, soil the very best, railroads close at hand, building lumber cheap, machinery light and reasonable in price, water readily procurable, making farming a success.

Write to the best place for settlement, settlers' law railway rates, descriptive literature "Last Best West" Free on application and other information, to R. W. J. Insurance, Ottawa, Can., or to the Canadian Government Agent.

W. E. Rogers, 1216 West 2nd St., St. Paul, Minn. or C. J. Lawrence, 412 Richards St., St. Paul, Minn. Please write to the agent nearest you.

AN ILLINOIS FARM AT A BARGAIN.

Farm of 240 Acres in Madison County, Illinois, ten miles from Havana, at \$20.00 per acre. Good house, barn, etc. Two crops should pay for it. My circular explains why. No trades considered. E. H. Clarke, Gen. Fire Ins. Bldg., Peoria, Ill.

W. L. DOUGLAS

\$2.50, \$3.00, \$3.50 & \$4.00 SHOES

Men and Women wear W. L. Douglas shoes because they are the best shoes produced in this country for the price. Insist upon having them. Take no other make.

THE STANDARD OF QUALITY FOR OVER 30 YEARS

The assurance that goes with an established reputation is your assurance in buying W. L. Douglas shoes.

If I could take you into my large factories at Brockton, Mass., and show you how carefully W. L. Douglas shoes are made, you would then understand why they are warranted to hold their shape, fit better and wear longer than any other make for the price.

CAUTION The genuine have W. L. Douglas name and price stamped on bottom.

If you cannot obtain W. L. Douglas shoes in your town, write for catalogue. Shoes sent direct from factory to wearer, all charges prepaid. W. L. DOUGLAS, 145 Spark St., Brockton, Mass.

ONE PAIR of my BOYS' \$2.50, \$3.00 or \$3.50 SHOES will positively outwear TWO PAIRS of ordinary boys' shoes. Fast Color System Used Exclusively.



Death Lurks In A Weak Heart

If Yours is fluttering or weak, use "RENOVINE." Made by Van Vleet-Mansfield Drug Co., Memphis, Tenn. Price \$1.00