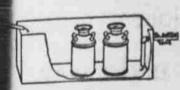


SEPARATOR CREAM

ends on Manner and Method ling-Illustration Shows Satisfactory Way.

last five or six years, there that has come up oftener scussed at greater length at meetings than the quality of separator cream. Our dairy made a separate class for de from this cream, not askutter maker to compete with milk creamery. This article ritten with a view of chame cause of the hand separaacture but to try and help who has found the separafarm best suited to his conwrites W. C. Barney, Iowa and dairy commissioner, in

we been told so frequently nust wash our machines and m clean that I need not call ention to this fact. I would



The Cooling Process.

sk if you would expect a buter in a whole milk creamery ce a high class article if he keep his machine in a sanitary It is my belief that much ment may be made in quality er care of the cream after it ated. In talking with a govexpert who makes Chicago dquarters, he asked if I were of the fact that there were a imber of hand separator cream des in western Wisconsin along er that were turning out just an article of butter as were e milk creameries in eastern sin. I asked him how he acfor this. His answer was, the hilly country along the rivngs were numerous and that am can was set into the spring oled down and then not mixed e next skimming until that had eated in the same way. Springs numerous enough with us in adopt this plan, but we have he following most satisfactory me farm and have used it veral years with good results. we may make ourselves und from the description and the

lave a galvanized fron tank in am house near the well with a top in the cream house. In e of the tank we make a hole dece of gas pipe using a couple nuts one on the inside, the n the outside to keep from leak-On the inner end of this outlet connects with the water tank ttle, we use an elbow with a of gas pipe about 16 inches urned down so that the circuis good in this tank, the water in at the top and out at the All the water for cattle must round the cream where the can is set as soon as we have separating. If you don't care to the expense of buying a galf iron tank only having a small of cream, buy a barrel and in two as this will hold two se shot gun cans of cream and better than nothing. In case nd does not blow to make the ill do the work of pumping, we ir gasoline engine which is atto the pump. Before we put in gine we pumped enough by hand or three times per day to change nperature in the tank.

### OF MUCH IMPORTANCE.

Study of Results of Breeding ecessary to Show Value of Head of Herd.

(By R. B. RUSHING.)

have all heard the saying that re is half the herd. This is literrue. That is, of the qualities athed to the calves the parent hes half, and generally more. cow influences the character of me calf a year; the bull passes a personality to many calves, to of it all too. calves of a herd of ordinary When he is chosen, half the icter of all the calves is deterthus, his influence is as much at of the whole number of cows together in the herd. le is of stronger prepotency than

of the cows, that is, able to danger. mit his qualities more surely and gly to the progeny, which is ly the case with a well bred sire, the bull represents more than the herd. In this case more than the characteristics of the calf, or tronger and predominating half from the sire, thus he is more half

the sire may be much more than the herd whether judged by the gth, quality, or accumulated ofof the characteristic he trans-

is true, however, that the sire thus within a few years, at slight ass, completely transform a dairy and more than double its profits. is he not a good investment?

RELIEVE SUFFERING OF COW.

Device Invented to Remove Obstacles From Animal's Throat-Comprises Pair of Arms.

The device shown in the illustration is intended to relieve the suffering of an animal that has become choked by a pottato, apple, or some such obstruction in the throat, says Scientific American. It comprises a pair of arms terminating in slightly concave surfaces which are pressed



Remove Obstacle From Cow's Throat

against the throat on opposite sides just below the obstacle and then drawn upward along the esophagus, forcing the obstacle toward the mouth.

FOR BETTER CARE OF MILK.

Pall So Constructed That Falling Dust Will Be Excluded to Very Great Extent.

a greater extent than if the entire top



For Better Milk.

"ride" on dust particles-they canno propel themselves through the air, but must depend on outside agencies to travel from place to place. The smaller the opening in a milk pail the better is that pail.

Tests of Cows.

anecting from well to this tank | the grades were second with \$4.27. The | ited his power with Jose Dolores Esmonths, gave 12,498.4 pounds of milk insurgents but not a follower. and 524.24 pounds of butter. The profit on the milk was \$201.05, and on the butter \$41.51.



Linseed meal is a good substitute for the fat in milk.

A cow will waste as much energy fighting files as she requires to raise Thoroughly stir the milk in the cans

in warm weather. A long-handled soup peared from the State department arladle is handy.

When a milker can talk to his cow as he does to his best girl he is in a way to succeed in the dairy

business. With a thoroughly good cow to manufacture it we can always afford to put in feed and take out

The dairyman who takes his money out of the savings bank to build a

The chemist cannot find that a silo adds anything to the nutritive elements in a cornstalk, but it does add palatability and that counts for a

good deal. If you have six cows and no separator, sell one of the cows and buy a separator. You will save work and

make money by the deal. A good creamery in a town means prosperity for the farmer and the business man. The cow is the cause

Produce what the consumer wants when you are placing a product on the market. That's the secret of good prices and a brisk demand.

The temper of a bull does not improve with age; handle him always as if he was a possible source of

Cows, horses and sheep suffer from the direct rays of the midsummer sun, as much as do men. If you haven't got trees, sheds should be built.

A half cupful of wheat flour and a raw egg in the milk, if given to a calf with scours is said to be very beneficial.

Do not permit calves four months old to be loose in the same pen with calves two weeks old. Separate the calves into pens according to age and ing.

size. If the calf is a slow eater it is not molested by the greedy calf next to Stanchions on the dairy farm will expedite greatly and overcome many of the obstacles and disagreeable things in feeding calves

## NATIONAL GOVERNMENT NEWS NOTES OF GENERAL INTEREST

WILL NOT LOSE PRESTIGE.

ter of Population.

Washington-Columbus, Indiana, is not destined to lose any prestige it millmen and towboat operators from may have enjoyed during the last decade from being marked on the census of population. It probably will continue in the vicinity of that mark after the full developments of the thirteenth census become known unless the estimates of the census officials fail.

The returns received to date indicate a fairly even growth in all directions from the present central point.

Only a small percentage of the total population has been announced thus be sufficient to disturb greatly the present equilibrium.

only two states, Rhode Island and Oklahoma, one east and the other west, surface, they constitute a serious menhas been announced. The increase in ace to navigation. We have suffered Oklahoms, amounting to 109 per cent in the past from steamers striking over the population of the same area them, because it is impossible to know in 1900, is phenomenal, and is due to its attainment of statehood and to the opening of new and rich territory. The same conditions do not exist elsewhere, for even though Arizona and The illustration shows a stream of states, neither presents the attraction milk entering a pall, so constructed of Oklahoma in the way of newly that falling dust will be excluded to available soil. Many sections of the West, however, will do credit to the of the can were uncovered. Bacteria traditions of that region. The state of Washington will make a marked gain in all districts. Portland, Or., is sure to make a big showing. Of all the Southern states, Texas

STATE DEPARTMENT PLEASED.

will make the best showing.

Officials Favor Estrada, Who Protects American Interests.

Washington - While official dispatches were lacking, scarely any doubt remains in Washington that the Madriz forces have been crushed in Nicaragua and that General Juan Estrada, leader of the insurgent, has succeeded Madriz as temporary presi-

Only the staunchest adherents of Madriz believe that his cause is not yet lost. Dr. Barrios and Sebastian Salinas, Madriz commissioners to Washington, refused to believe the reports from Managua and Bluefields of the Madriz reverses.

They contend that even if Granada had fallen, another battle would be necessary before Managua could be In testing several breeds of cows the taken. Instead of Madriz having fled Virginia experiment station found that to Corinto on the coast, they declare in profits on milk the Holsteins led he is fighting at the head of his army with \$4.92 per individual per month; and for that reason alone he has deposmost profitable cow was milked 21 trada, a brother of the leader of the

State department officials declined to discuss the developments. It is known that they are pleased with the reported downfall of Madriz, and that they look with favor on General Juan Estrada, whose treatment of Americans and whose protection afforded to American interests along the coast has been the subject of praise repeatedly.

VALUED RECORDS LOST.

Immigration Data of 1868 is Missing Since Date Unknown.

Washington - Secret service operatives are trying to locate immigration records of great value that have disapchives. The figures for the last threequarters of the fiscal year ended June 30, 1868, are contained in the missing documents. No motive can be assigned

for the theft. The immigration commission, in compiling a table of the total immigration since the year 1822, sent to the State department for the records of the sixties. No trace could be found of those of 1868, covering an importthe Civil war.

ments has been wired to the secret service branches at Portland, San Francisco, New Orleans, Philadelphia, Baltimore, Charlestown, Savannah, Key West and New York, the chief ports of entry in the United States.

Bank Notes Antiseptic.

Washington-To the Old National Bank, of Spokane, Wash., belongs the distinction of circulating the first antiseptic National bank notes. The United States treasury is experimenting with devices intending to launder dirty bank notes into bright, crisp new ones, but the Spokane bank has the first sanitary money on record. Fifty thousand dollars in bills just put out by the bank were signed with an ink that consisted largely of carbolic acid.

Forest Service Delays Reply. Washington-Forest Service officials are delaying a reply to Acting Governor Bowerman's message, offering the aid of the state militia to determine troops from other departments to aid in subduing the flames. All the avail-

able troops in the department of the

Dakotas are now engaged in fire-fight-

Troops to Aid Indian Officials. Washington-The War department has telegraphed the commanding officer compared with 7,160 in 1900. of the troops at Republic, Wash., to render all assistance to the Indian offi-Colville Indian reservation.

LOGS MENACE NAVIGATION.

Columbus, Indiana, Will Remain Cen- Government Asked to Prevent Careless Rafting in River.

To devise some means to prevent from booms, Superintendent Groves of maps as the place nearest the center the Port of Portland dredges, will confer with the Corps of Engineers, U. S.

> In the past week four logs have been hauled from the channel, two in the Willamette river and others in the Columbia, and four or five others have been located and will be removed at

"These logs are bound in the rafts with a rope, so that the butts will far, but enough is shown by the gen- float, as the base of the hemlock will eral trend to justify some generaliza- sink at once on being freed," said Captions. Probably the most important tain Groves. "It appears that when of these is that the Eastern states are rafts are taken in tow the friction, holding their own to such an extent caused by the moving of the logs, soon that the "pull" of the West will not severs the rope and they sink. The logs are 20 or 24 feet long and we have found when they rest in 30 feet of Up to date the full population of water, with the lighter end swaying with the current a few feet below the where they are. We hired a diver to place a chain around one last week and when he went over the side and stood on the log, as it floated in an upright position, half of his helmet was above water."

MILITIA MUCH IMPROVED.

General Maus Praises Showing Made at American Lake.

Vancouver Barracks, Wash .- When asked for an expression of his opinion of the good accomplished by the instruction camp at American Lake, Wash., this summer, General Marion P. Maus, Commander of the department of the Columbia, under whose direction the maneuvers were held, said:

"As far as the National guard is concerned, their instruction has been excellent, and they have shown great improvement, but the regular troops were ordered away to fight forest fires. When I left nearly every company had gone, with the exception of a few stragglers and details. The general opinion is that the maneuver camp was very satisfactory despite the many difficulties under which the instruction was held. The regular troops all had three weeks of good instruction.

"The National guard had their full instruction, except the Idaho regiment, which left one day in advance to fight the forest fires in the Coeur d'Alenes. I am well pleased with the maneuvers as a whole and believe that great good has been accomplished by them."

TAFT HAS MANY VISITORS.

Politicians "Just Drop In" to Chat With President.

Beverly, Aug. 27 .- Mr. Taft found himself in the midst of a number of all of the his visitiors "just dropped in." The first of these were Senators Brandegee, of Connecticut, and Colonel Isaac Ullman, of New Haven.

Colonel W. R. Nelson, of Kansas City, drove over from his summer place at Magnolia and had a long chat with the president.

The afternoon brought Representative J. W. Weeks, of Massachusetts; ex-Governor John F. Hill, of Maine, and Republican National Committeeman Estabrook, of New Hamphsire. All came to talk politics.

Continuing his conservation policy, President Taft tonight signed an order withdrawing 8,265,970 acres of coal lands from entry in Idaho.

Bids on Sea Dredge Asked.

Pacific Coast firms are to have an opportunity to bid on the ocean dredge authorized for the Coos Bay bar, for which an appropriation of \$300,000 was made in the last rivers and harsilo makes a good investment of idle ant period, that following the close of bors bill. With a view of gathering data on needed improvements over the Information concerning the docu-nents has been wired to the secret ser-Major Morrow, Corps of Engineers, U.

> spend some time on the Clatsop. Designs for the new dredge are to be drawn in the East and it is not improbable that she will be constructed there, as she is to be of steel and the government officers assert that the craft can be completed at a lower cost on the Atlantic coast, but the cost of bringing her around the Horn will be \$15,000 or \$20,000 and should local bidders file proposals below the cost of construction and her operation to the Pacific Coast, it is not doubted that preference will be given them.

> > King Seeks World Peace.

London-The Daily News publishes statement that the origin of Colonel Roosevelt's suggestion for an European peace league, made at Christiania during his recent tour was a memorial prepared by the king of Italy, which the king asked Colonel Roosevelt to deliver to the Emperor of Germany. It was whether the War department will order | before the Nobel Prize commission at his Christiania address on "International Peace," that Colonel Roosevelt made his plea for a league of peace.

Population Near Double.

nellsville Borough, Pa., is 12,845, as The population of New Albany township, Indiana, including New Albany City, is cials in combating the flames on the 25,275, as compared with 24,275 in

# FOREST FIRES GRIP TOWN OF WALLACE

Fifty are reported dead in and around Wallace, Idaho, where the property loss is \$1,000,000. The fire has not enlarged on the area burned Saturday night.

Mullan is probably safe but fires threaten.

Elk City is reported still unburn-Four or more are dead in fires near Newport, Wash. One hun-

dred and eighty men in the forestry

service are surrounded in the St. Joe country. Taft and St. Regis, Mont. have been burned. Saltese is surrounded by fire. Deborgia is seriously threatened. Haughan, Mont., is re-

ported destroyed. There is a solid line of fire from Thompson Falls, Mont., for 502miles to the Idaho line, with portions of Belknap, White Pine, Hoxon and

Heron burning. Conflagrations rage in the Gallatin forest, Montana. Thompson

Falls is in peril. Ymir, B. C., is in danger from fires which are burning in the bush. Other fires are gaining headway in that region and the situation is ser-

Avery, Idaho, is destroyed, the people fleeing to Tekoa.

MANY BUILDINGS BURNED.

Women and Children Flee on Trains -Skeletons Found.

Missoula, Mont. - The forest fire situation on both sides of the Idaho-Montana line is more serious than at any time this season.

Flames are sweeping over an increasing area, destroying small settlements and wiping out of existence millions of dollars' worth of property.

The loss of life will be large. It

grows hourly, and the number of injured is constantly increasing. In and around Wallace it is estimated here the death list is at least 50.

In addition to at least 25 otherwise hurt, it is said that ten persons have been made blind.

Indications in Wallace, however, are that hearly half of the city will be saved. Communications with Wallace to the west has been possible at intervals, but eastward it is entirely cut off and it is known that the entire east half of the town, above Seventh street, has been burned. West of that a hard ment in the water supply there is more chance that the flames may be driven be clear.

In Wallace the dead include: John rescue the family parrot.

Two unknown, whose skeletons were found in the ruins of the Michigan

Unknown man, burned to death in the Coeur d'Alene house.

Backfiring, in which the members of the city fire department, a company of political conferences today. Nearly the Twenty-fifth infantry and many volunteers joined, prevented new fires west and south.

The loss to the city is estimated at close to \$1,000,000. Some of the principal losers are:

Coeur d'Alene Hardware company, warehouse and stock, \$150,000. Sunset brewery, \$80,000.

Providence hospital and the big mills the only buildings in the East End that were saved.

Forest Supervisor George W. Weigel reports that the region between Wallace and the St. John river is swept practically clean, with enormous

Fires between Burke and Mullan threaten both towns and many women and children have been sent out.

At War Eagle tunnel six were found dead and two badly burned. Five of peach. the dead were in the tunnel, where they had sought refuge. They lay face down in water, covered with wet rags and blankets.

Some had died from the fire and some from suffocation by smoke. The injured were taken to Providence hospi-

tal in Wallace. S. A., will visit the lower harbor and Twelve dead were recovered at Big Creek. There were three injured and three others were completely blinded.

place. There are at Pine Creek three jured.

Blue Mountains All Ablaze.

Dayton, Wash .- A dense pall of Asotin river near Teal's camp.

Farmhouses Destroyed.

Grants Pass, Ore .- Fire that origin-Several hundred trees have been burned, the city should cut out the expense,

## CHOAS RULES IN MADRIZ CAPITAL

### Government is Tottering and People Panic-Stricken

Estrada Army Approaches and Lives and Property of Americans Are in Peril.

Washington-The provisional government of Nicaragua is tottering to its fall, the Madriz army is demoralized, consternation reigns in Managua and Dr. Madriz, his general-in-chief, Toledo, and general Irias, are preparing to flee the country.

This, in effect, is the news received by the State department from United States Consul Olivares at Managua, and these advices are confirmed by dispatches from Mr. Johnson, United States consul at at Corinto.

The panic in the capital is threatening the lives and property of Americans. Crowds are reported traversing the streets crying, "Death to the Americans."

While the cruisers Vicksburg and Yorktown are at Corinto and in close touch with the situation, the legation and consulates in Managua are under heavy police guard and preparations have been made to meet attacks on

American lives and property.

The situation grew out of the victory won Thursday by the revolutionists, who defeated a strong column of government troops and crossed the Tipitapa river.

The removal of the government army seems complete. Mr. Olivares reports that General Toledo, who was in command of the Madriz troops, arrived in Managua following his defeat and announced that his force had been seized with panic and fled when attacked. Soldiers made their escape to Grenada while others continued their

flight to the capital. Grenada appears to be at the mercy of an undiciplined mob of soldiers, who are reported to be pillaging the houses

It is added that the Estradan force is already at the gates of the city and is preparing to take the place by assault. From the evident demoralized condition of the Madriz forces, observers believe that Granada will be taken fight is being made and with improve- by Estrada with little trouble and the way to the capital thus practically will

It seems the unanimous opinion in Managua, Mr. Olivares reports, that Boyd, pioneer of the district and for the power of Madriz is steadily weak-16 years general agent of the Northern ening and that his overthrow may be Pacific railroad here, suffocated in his momentarily expected. The revoluhome in Pearl street while trying to tionary army is only 20 miles from the capital and the capture of Managua is looked upon as inevitable.

### BURBANK'S LATEST A PEACH.

Juice and Color of Crawford Surround Small Colorless Pit.

Santa Rosa - Horticulturists and fruitgrowers are united in their praise of the two new varities of peaches and one of plums producted by Luther Burbank, the plant wizard. Crosses of the Crawford and Muir species have resulted in a fruit of greater commercial value. The Bartlett plum seedling is also a betterment in shape, colof the Federal Mining company were or and preponderance of flesh over pit. Most of the juiciness and high color

of the Crawford peach has been transferred by Burbank to the smaller and firmer pit of the Muir. The color-free pit of the Muir is also retained. The vigor and ability of the new trees to resist diseases is still another recommendation of the Burbank creations.

E. J. Wickson, dean of the college of agriculture of the University of California, pronounces the new variety "a

Private Timber Protected.

Clover Creek, Ore .- The forest fire which has been raging here for the past week is still spreading and the soldiers promised have not yet arrived, and there are not men enough to control the flames.

The smoke is heavy and the heat is something awful. The fire is running to the north and east on the govern-One fire fighter was found dead near ment land and to the south on the pri-Mullan, and 16 are injured at that vate holdings. It is being held in check on the west by firefighters. dead, five blinded and five others in There are between 50 and 60 men fighting fire for the lumber companies.

Coyote Bite; Then Rabies.

Asotin, Wash .-- An unknown sheepsmoke hangs over Southeastern Wash- herder was found along the Snake rivington obscuring the Blue mountains er 20 miles from here in a very precarand indicating that devastating fires lous condition with rables, resulting are again raging in the Wenaha re- from a bite of a mad coyote. The serve on the Oregon side, 30 miles sheepherder was coming down the riveast of here. Judging from the den- er from the mountains where he had sity of the smoke, the fires now burn- been employed for several months. As ing are the most appalling this sum- he was passing over a high rim rock, mer. Meager details received from he was confronted by a coyote, which, the burned district tell of the location, when within a few feet made a spring, which is in the heavy pine and fir burying its teeth deep into the flesh of timber near the headwaters of the his body. The herder has slight chance of recovery.

Forty Strikers Freed.

Los Angeles, Cal.-Forty strikers, ated along the Murphy road and burned charged with acting as pickets at the into Fruitdale, three miles south of Craig shipbuilding works, Long Beach, town, is still raging in the upper part were discharged from custody by orof the valley and threatening the der of Judge Hart and the cases dis-Washington-The population of Con- Breitmayer home. Residents of that missed after they had been in jail ten district are exhausted from work. A days awaiting trial. A mistrial and patrol from town has assisted, but the the acquittal by a jury of two of the fire is running in dry grass and under- alleged strongest cases convinced the brush. So intense was the heat on the judge that the police had acted too county road that it was impassable, hastily in making the arrests. He said