

IT'S GOOD FORM TO WEAR

# G-D Justrite CORSETS



## A Large Shipment

## OF Justrite Corsets

Just received. Several new styles added to our line. All prices.

**\$1.00 to \$5.00**

No. 284

Fall Model. Low Bust. Extra Long, Extension Skirt. Specially adapted to the Slender Figure. Baste-Lace Trimmed—3 sets of Garters.

**Price \$1.00**

No. 434

One of the very latest models, with medium bust and extreme length over the hips. Made for comfort as well as style.

**Price \$2.00**

DALLAS AGENTS

**Dallas Mercantile Company**

## FARMERS' SERVICE DEPARTMENT

### POTATO SCAB

A New Jersey Correspondent writes: "I find that my potatoes are badly infested with what seems to me to answer the description of potato scab." In treating potatoes for scab it is best to use one pound of formalin to thirty gallons of water. This treatment should be given the seed before the potatoes are cut, and after treating they should be scattered over and allowed to dry unless you are ready to plant them immediately. After using the solution for two or three hours it should be replenished, because when left open it loses its strength very rapidly.

We can see no reason why the kerosene barrels would in any way hinder this treatment. We believe it will be all right to use them in treating your potatoes. As far as disinfecting the planter is concerned, we do not believe this will be necessary if you treat the seed properly.

The fungus disease called scab has been known to live for at least six years in the soil, even though no potatoes were grown in that field. Because of this, it is a good plan to rotate your crops and to plant your treated seed in fields where potatoes have not been grown for at least four or five years.

The soil that contains an acid is injurious to the growth of potato scab, hence the application of sulphate of ammonia, sulphate of potash, kainit, or acid phosphate will tend to free the soil of the scab fungus. On the other hand, the presence of lime, wood ashes, or large quantities of stable manure, will aid or encourage the growth of potato scab.

**THE SELECTION OF A CREAM SEPARATOR.**  
The selection of a separator is not a difficult matter if the farmer will bear in mind a few simple facts. Cream and skim milk are separated in the cream separator by the action of centrifugal force. Centrifugal force is a force exerted outward from the center of the separator bowl and is produced by revolving the bowl at a high rate of speed. Just what the action of centrifugal force is can be best explained by a simple and often-used illustration.

When a ball attached to the end of a string is swung around in a circle, the ball, because of its weight, will exert an outward pull. The force exerted on the ball, which makes it try to get away from the center point around which it is whirling, is centrifugal force. When whole milk enters the separator bowl it is acted upon by centrifugal force and the heavy milk solids are thrown to the outer wall of the bowl. The butter fat, which is the lightest part of milk, is not so strongly affected, and gathers near the center of the bowl where it mixes with a small amount of skim milk and forms cream.

long service it must contain the highest quality of material and workmanship and be designed to accomplish a thorough separation of cream and skim milk without tearing itself to pieces. Spiral cut gears are now used in the best separators because they run smoothly and prevent jarring, loose or unsteady motion, or back-lash. These gears, which are made of steel, mesh where spur cut gears have one tooth in mesh at a time. The slightest jarring or unsteady motion in the gears will be transmitted to the bowl and will cause it to vibrate and do poor work. Hence, the value of smooth-running spiral gears can easily be appreciated.

The quality of material used in making the gears will greatly affect the amount of wear they will stand. Tough, close-grained iron is the best material for this purpose as it wears smoothly and does not grind or cut.

The shaft and frame of a separator are among the most expensive parts of the machine and should be protected from wear as much as possible. In the better grade of cream separators, phosphor bronze bushings are used to protect the frame and operating mechanism. This is a very smooth, fine-grained metal which does not cut the parts moving in it. It is slightly softer than the steel shafts and spindles which move in it, and consequently bears the burden of wear. Herein lies its value as the bushings can be replaced at a very small cost whereas it would be a considerable expense to replace the shafts, spindles, and frame.

The bowl spindle or neck bearing of a separator is one of the features a farmer should carefully investigate. The purpose of this bearing is to keep the bowl properly centered and to prevent shocks or vibrations from being transmitted to the bowl from the gears. This bearing to be satisfactory must be strong, simple, and free from the necessity of difficult adjustments. The fewer parts the bearing has the better, providing the parts are properly made.

Every farmer naturally wants a separator that is easy to turn. By all means a separator should be easy to operate, and many of them are, but unfortunately for the purchaser this quality is often secured by building the machine light—by sacrificing durability. It is poor business sense to buy a light, flimsily constructed separator simply because it is easy to turn. Such a separator will not stand up under the work for a long enough period to be a profitable investment.

Milk as it comes from the cow is one of the purest articles of food, but it is also very easily contaminated. Therefore the separator bowl must be kept in a clean, sanitary condition. Don't judge the easy-cleaning qualities of a separator by the number of pieces the bowl contains. What is infinitely more important is the construction of the parts. A plain, smooth surface is easily cleaned, whereas, intricate crevices and corners are hard to get at and will often be improperly cleaned.

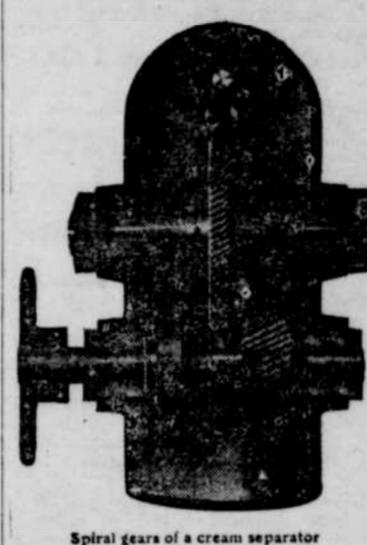
In selecting a separator do not be misled by the price. Those who try to sell a machine and use as their strongest argument its low price, often use this argument because they have no other. The man who is selling a priced machine is making just as much profit as the man who sells a high grade machine at a slightly higher price. The difference is in the quality of the machine.

as there was no provision made in these bowls to prevent the intermingling of cream and skim milk that had been separated.

Most separator bowls are now equipped with an interior device composed of a central milk-feeding shaft and a number of disks. The disks divide the milk into thin layers or sheets and centrifugal force acts upon each sheet of milk independently of the others. The disks increase the capacity of the bowl and reduce the speed at which it must be revolved by eliminating the necessity of forcing the skim milk solids through a thick wall of milk. The use of disks has now become a standard feature of separator construction.

While it is true that the separator bowl does the actual work of separation, the mechanism which revolves the bowl is of the utmost importance. In fact, the design and construction of the operating mechanism will determine the length of time the machine will do good work.

Good material and workmanship are necessary to a separator. The truth of this is often overlooked when the machine is new, but the farmer who buys a high grade separator will appreciate it after he has used the machine a few years as he will realize that he has a machine that will do good work for many years. That is the real test of a separator after all. Any separator that will develop centrifugal force will do good work for a time, but for



Spiral gears of a cream separator

The interior of a modern separator bowl

The amount of centrifugal force exerted outward from the center on the milk in a separator bowl is determined by the speed and diameter of the bowl. As the diameter of the bowl is decreased the speed at which it is revolved must be increased or there will be a loss of centrifugal force.

This can also be illustrated by swinging a ball attached to the end of a string in a circle. The greater the length of the string, the greater the pull exerted. As the string is shortened, it will be noticed that the pull it exerts decreases unless the speed at which it is whirled is increased. Therefore, in a bowl, which has a comparatively large diameter, the maximum centrifugal force is secured without running the bowl at an excessively high rate of speed. This means greater durability because it reduces the strain upon the operating mechanism.

Centrifugal force is what causes separation in all cream separator bowls, but there are several conditions which affect the thoroughness of its work. The first separator bowls made were hollow and centrifugal force was required to act upon the milk en masse. It was necessary that these bowls be revolved at an excessively high rate of speed to insure sufficient centrifugal force being developed to force the milk solids other than butter fat, through the thick wall of milk to the outer edge of the bowl. Furthermore, the results were uncertain,



### HANDLING THE WHEAT--

that goes into "Oregon's Best" flour is a matter of the greatest care. Only the soundest wheat is selected and employed. Insist on having a sack of "Oregon's Best" flour the next time you order groceries. We ask you to do this the first time. Afterwards you will do it of your own accord.

SWEENEY BROS.

### Not Sisters

Now and again you see two women passing down the street who look like sisters. You are astonished to learn that they are mother and daughter, and you realize that a woman at forty or forty-five ought to be as her finest and fairest. Why isn't it so? The general health of woman is so intimately associated with the local health of the essentially feminine organs that there can be no red cheeks and round form where there is female weakness.

Women who have suffered from this trouble have found prompt relief and cure in the use of Dr. Pierce's Favorite Prescription. It gives vigor and vitality to the organs of womanhood. It clears the complexion, brightens the eyes and reddens the cheeks.

No alcohol, or habit-forming drugs is contained in "Favorite Prescription." Any sick woman may consult Dr. Pierce by letter, free. Every letter is held as sacredly confidential, and answered in a plain envelope. Address: World's Dispensary Medical Association, Dr. R. V. Pierce, Pres., Buffalo, N. Y.



### CHILDREN'S CONTEST.

Beulah Douglas, 50, 50, 50  
Alma Mitchell, 50, 50, 50

Beulah Douglas 19's.

Miss Flora McCallion visited friends in Falls City over Sunday.  
H. G. Campbell went to Portland Friday.

W. C. Sunderland, of Black Rock, visited at H. F. Douglas' Sunday.

J. M. Card made a business trip to Falls City Saturday.

Jerry Morris, of Bridgeport, was a Dallas visitor Monday.

F. M. Noble, of Hoquiam, was a Dallas visitor Tuesday.

Miles Davis and daughter, of Summit, were Dallas visitors over Sunday.

Mr. and Mrs. N. Selig, of Falls City, were Dallas visitors the first of the week.

Miss Fred Cummins, of Corvallis, is visiting friends in Dallas.

Mrs. Tom Hill returned home from Portland Saturday. She was accompanied by her son, Arthur.

Mr. and Mrs. Sol Blessing went to Newport Sunday to visit their daughter.

Sharp Decker left Saturday for his home in Cookport, Pa.

Mrs. Will Hinshaw, of Falls City, visited friends in Dallas Wednesday.

Gordon H. Wood, of Nebraska, is in Dallas looking for a location.

Miss Meri Hall is visiting her sister, Mrs. Victor Hallentyne, of Adney, Wn.

Rev. C. P. Gates returned home from Portland the first of the week.

H. F. Douglas made a business trip to A. J. Friday.

Mr. and Mrs. Hinman visited friends in Monmouth Sunday.

Miss Velma Miller, of Falls City, was a Dallas visitor Wednesday.

Mrs. Walter Fuller went to Newport Friday.

Charles Nichols returned home from Monroe, Wis.

The K. L. C. E. of all the churches in town are invited to meet at the park on Sunday evening at 6:45. Dr. McNichols will lead.

Alma Mitchell.

Mr. and Mrs. J. C. Hutchins and child, and Mr. and Mrs. C. Bennett and baby have gone camping.

Mr. and Mrs. Oran Kearns visited in Salem this week.

Mrs. C. P. Mitchell and daughter, Mrs. Davis, have gone to Newport to visit friends.

Mrs. Ollie Chase, of Black Rock, was a Dallas visitor Wednesday.

Mrs. Jessie Moyer, of Falls City, is a Dallas visitor this week.

Mrs. L. R. Wilson and family is visiting in Amity this week.

Fred Pierce went to Portland Saturday.

Mr. Kraber, of Washington, is visiting Mr. Ahip and family.

Mrs. Gleason and babies, of Salem, visited friends here Sunday.

Mrs. Fred Palmer, of Seattle, is visiting in Dallas.

Mrs. Clara Seifarth, of Portland, is visiting her mother, Mrs. Dimmick.

Mr. and Mrs. Lucas, of Salem, moved to Dallas Monday.

Clark Wright, of Portland, is visiting at the Pierce home.

Fred Furch was a Salem visitor last week.

Mr. Rhude and Sam Mills are visiting in Salem this week.

Mr. and Mrs. Tom Stockwell have moved into their new home in southeast Dallas.

H. P. Shriver goes to Hillsboro Friday and Saturday joins E. D. Jennings on a fishing trip to Tillamook.

Mrs. H. P. Shriver has been laid up with rheumatism in her back.

Mrs. A. E. Snyder, of Bryan, Ohio, have been visiting Mr. and Mrs. Harry Woods.

Mr. and Mrs. L. E. Viers, of Chicago, visited his sister, Mrs. Harry Wood, this week.

### Call For Bids.

SEALED BIDS will be received by the board of directors of School District No. 2, Polk county, for the erection of a schoolhouse at Smithfield, in addition to the one in the hands of the clerk of said district at 6 p. m. August 12, 1912. Bids to be opened by board at 9 a. m. August 13, 1912 at the residence of clerk. Plans and specifications at county superintendent's office in Dallas and at residence of clerk in said district. Board reserves the right to reject any and all bids.

Date: August 8, 1912. W. J. GARNER, R. 1 - Clerk.

MONEY TO LOAN ON IMPROVED FARMS In the vicinity. Made application to Wm. C. Borchers, Financial Agent 207 208 Oregonian Building PORTLAND - ORE.

### DALLAS CITY BANK

Dallas, Oregon.  
R. E. WILLIAMS, President  
W. G. VASSALL, Cashier  
DIRECTORS:  
R. C. Craven, I. N. Wash, M. M. Ellis, W. G. Vassall, H. E. Williams, B. H. McCullion, F. J. Craven.

This bank is pleased to place it at disposal of its customers the facilities gained during many years of continuous service and growth.

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Attorney-at-Law

Room 8, Uglow Bldg.  
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Veterinary Surgeon  
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Office over Fuller Pharmacy, Dallas.  
Office Hours: 8 to 12 A. M., 1 to 5 P. M.  
All kinds of Dental work done at reasonable prices.

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Have Your Young Roosters Caponized Results Guaranteed

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### PATENTS

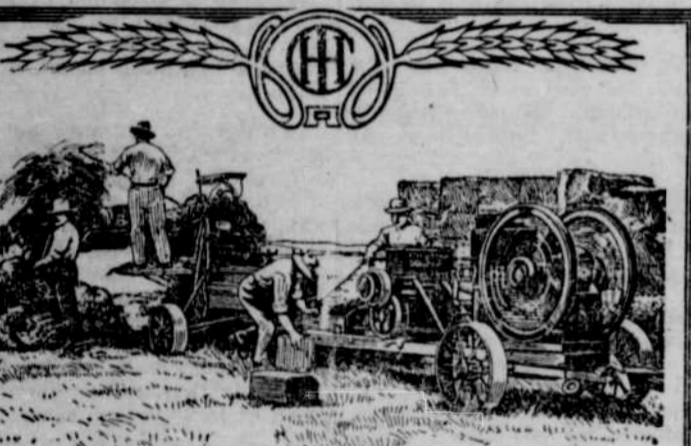
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Railroad street, Dallas.  
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"Let Us Forget"  
Marble—Granite

### HARPER WHISKY

A Delightful Beverage  
A Safe Stimulant  
A Good Medicine  
For Sale by **J. C. SHULTZ**



### Paled Hay Most Profitable

WHETHER you feed your hay or sell it, you profit most by baling it. Baled hay may be shipped where the price is highest. It takes up only one-fifth of the storage space required by loose hay. It retains its feeding value longer, and is easier to handle. These advantages more than offset the cost of baling, which is very small when done by an

### International Hay Press

Motor or Horse-Driven

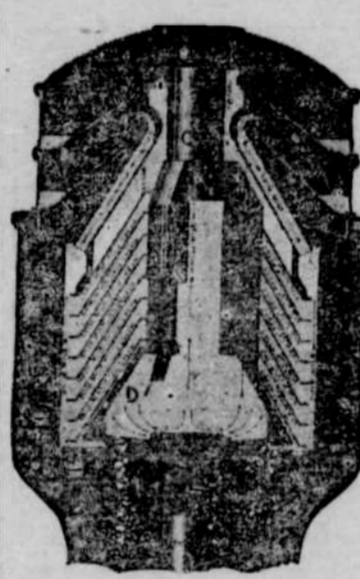
The International motor press is a combination of two machines in one, a hay press and a portable I H C engine for which you will find many other uses. The hay press works on the powerful toggle-joint principle, the power being applied through a pull, not a push. An adjustable bale tension assures bales of uniform weight. A roller tucker folds the loose ends of each charge well down into the bale, keeping it smooth and neat. The bale chamber is so low that bales can be tied by reaching over the machine.

The I H C pull-power press, made in one and two-horse sizes, is a similar press with a bed reach and horse power mechanism in place of the I H C engine. The reach is only four inches high, making it easy for the horses to step over. The horses are pulling no load when they cross the reach.

A self feeder is made for both the motor and horse-driven presses. Bale chambers are 14x18", 16x18" and 17x22" in size. See the I H C local dealer and have him show you all about I H C hay presses. Get catalogues and full information from him, or write us.

### International Harvester Company of America

Portland Ore.  
I H C Service Bureau  
The purpose of this Bureau is to furnish, free of charge to all, the best information obtainable on better farming. If you have any worthy questions concerning soils, crops, land drainage, irrigation, fertilizers, etc., make your inquiries specific and send them to I H C Service Bureau, Harvester Building, Chicago, U. S. A.



How cream separation takes place in modern separator bowl "D" dirt arrester chamber

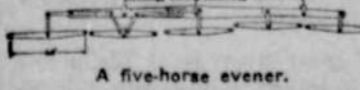


The dairy maid's friend

### EVENERS.

Reply to W. Bestwick, Mervin, Sask. "Will you send me a description of how to make a 3-horse and also a 5-horse evener?"

The illustration shows the 3-horse evener in combination with the 5-horse. The dimensions, however, from the center hole to the outside holes are given, also the length of the single-trees. You will note that the evener is seventy-five inches long, and the main hole is thirty inches from one end and forty-five inches from the other. To make a 6-horse evener the portion "A" will have to be ninety inches long from outside hole to out-



A five-horse evener.

side hole. The main hole would then need to be in the center. This is making an evener so as to drive six horses abreast. If you are planning on using two or three horses in the lead, a different arrangement will have to be made.

### Chamberlain's Cough Remedy

Cures Croup, Whooping Cough,

Mr. and Mrs. E. S. Longacre days in Silvertown and then go came up from Riddle the first of their farm at Jefferson, returning the week, where they have been here about the first of October, stopping with their daughter. Their many friends are pleased Mrs. J. W. Welch, since returning to see them again and to know from a years visit at Shanghai, that they have been enjoying life. China. They will spend a few —Silvertown Appeal.

Polk County Adaptable for all Any Fruit T

VOL. XXXVII.

### AT

Household Co Men's Red H Men's Blue H Men's White T Thread, 6 spo Talcom Powd Oil Cloth Bibs Perfect Waist Arm Bands Men's Hose Window Shad Suspender Bu Shoe Laces, B Curtain Rods Perfurated La Razor Strop Wire Hair Br Horn Combs Flour Sifter Hat Pins, 1 do

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