



FOR UTAH DAIRYMEN.

The "News" is in receipt of the following suggestions for Utah dairy men, written by Professor Linfield:

A short time ago I received a letter, on which the following is a copy:

Dear Sir:—If it is not imposing too much upon your time we would be pleased to receive a little information along the dairy line. How much cream can be produced from one hundred pounds of milk testing 3.5 per cent fat? There are in our neighborhood about twenty-five families, and we would like all the information possible in regard to putting up and operating a separator for three thousand pounds of milk a day; we would like your opinion in regard to the profit thereon. Your way in your investment of this kind would be the business way for us and how much. Our object in going into the business is to market our cream and save the skim milk. We would also like to know the cost of the plant with a water power. Respectfully,

I thought perhaps the information contained in my answer might be useful to others and so struck off several copies, one of which I enclose.

Very truly,
F. B. LINFIELD.

Dear Sir:—From your letter of Nov. 24th it is evident that the dairy business is new to you and I wish that time would permit me to come down and talk over matters with your people. I fear, however, that I am too busy at this time to leave. Your way in your letter that you expect to sell cream, and have the skim milk at home in good condition, but do not say where you expect to market your cream, or upon what basis you expect to sell it. I note that near the town from which you write there is already a creamery which ought not to be too far from you to get your skim milk back in good condition.

With the light you have given me I will try to answer and explain as best I can the matters you inquire about. From your mentioning of twenty-five families I presume you would refer to some small settlement outside of the town you write from, where the people live close together. Thus they desire to establish a skimming station and send their cream to some factory at a distance. With the skimming station at this time you could haul your own milk and take the skim milk back for feeding, and only the small amount of cream would need to be hauled a long distance to the factory. I understand from your letter that it is some such arrangement you desire and you want to know how to do it and what it will cost.

As I am not acquainted with all the facts I will endeavor to present the arguments pro and con and afterwards look into some of the details. Two propositions, I presume, are open to you, first: to sell the milk; second, to sell the cream. In selling the milk the question to consider would be:

(1) How much can I get per hundred for the milk, or for each pound of butter fat contained in the milk?

(2) How much will it cost to deliver the milk to the factory and to get the skim milk back?

(3) In what condition will the skim milk be, and what will it be worth for feeding after the long haul?

I think you have the facts in your own neighborhood to answer the first two questions. The value of the skim milk will depend upon its condition when it gets back to the farm and the purpose for which it is to be used. For hog feeding, if used each day as it comes back, as it ought to be, it will be as good a little sour as when fresh, provided the skim milk tank at the factory is cleaned out each day, as the patrons should insist upon, as their right. We have found in our experiments that skim milk was worth for hog feed from fifteen to twenty cents per hundred pounds. For calf feeding it should be fresh for very young animals. For animals six to eight weeks old slightly sour milk may be used, but it would probably be only one half as valuable as for hogs.

In the next place did you separate yourselves and sell your cream the following items should be considered:

(1) The investment in a skimming station building and machinery.

(2) The expense of running the plant, interest on capital, fuel, incidental repairs, oil, hired help to run the machinery, etc.

(3) Hauling the cream to the market you have.

(4) Delivering the milk to the skimming station and hauling back the skim milk.

(5) How much will be obtained for the cream?

(1) What would the building and machinery cost?

(2) A small building 20x20 feet will do. It should be substantially built and have a good floor. A local carpenter could

build the cost.

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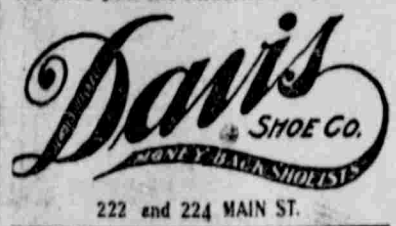
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GREAT SHOE VALUES.

Shoes are higher. The price of upper leather, sole leather, in fact, everything that goes into a shoe is costing considerably more than a few months ago, causing a sharp advance in the price of shoes. We are still

SELLING AT OLD PRICES.

Our orders were all placed with the manufacturers before the advance of raw material, and anticipating an increase in price, we bought enough for the entire season at old prices. Buy your shoes of us. We give you the advantage of our early spot cash buying. We save you the middleman's profit.



tell the cost. A local carpenter could supply of good water. The machinery (I could give a list did you desire it) will cost you laid down (seeing you have water power) about \$500 to \$800, depending upon the kind and size purchased.

(2 and 3) One man could run the machinery and deliver the cream for your market each day. He would cost anywhere from \$1.25 to \$1.75 per day. Hot water will be needed to clean up things, and the fuel for this and other incidental expenses would cost from \$5 to 75 cents per day.

(4) The cost of delivering the milk you can yourselves answer.

(5) The amount you could get for your cream it would be difficult for me to say. You ask how much cream can be produced from one hundred pounds of 3.5 per cent milk. It depends altogether upon the richness of the cream. A week ago some of the college students skinned one hundred and sixty pounds of milk testing 4.3 per cent fat by setting it in deep pails. They got thirty-six pounds of cream testing 15 per cent fat. During the present week they separated the same quantity of milk that tested the same, and got 18 pounds of cream testing 15 per cent fat. What kind of cream do you want? The separator will give it to you either rich or poor. If you sell cream by the gallon you must be very careful to specify the richness of the cream in fat.

The factories of the State are paying about 20 cents per pound for butter

fat at present. On this basis one gallon of the cream testing 15 per cent fat would be worth 34 cents. One gallon of the cream testing 35 per cent fat would be worth 58.4 cents or a little more than twice as much. Three thousand pounds of milk testing 3.5 per cent fat would make 700 pounds of, or 82.2 gallons of 15 per cent cream and 300 pounds or 35.4 gallons of 25 per cent cream. If the cream was sold on the butter fat basis and you received two cents per pound more for it in the cream than in the milk then the 105 pounds of butter fat in 3,000 pounds of milk would give you \$2.10 per day for the work of separating. This \$2.10 should pay the man for running the separator, interest on money invested, depreciation of the plant and other expenses. You might have in addition lessened cost in hauling the milk and better skim milk as an advantage did the \$2.10 pay all other expenses. Perhaps the \$2.10 would haul your milk to the factory in your neighborhood and bring back the skim milk, then your advantage would only be in the better skim milk you might get.

I do not know whether I have answered your questions or not, but I have at least endeavored to give such facts as will, I trust, enable you to answer the questions for yourself, after a little investigation, which you, being on the ground, are better able to make than I am. It may be that you have at present no market for your milk and that you desire to establish such a market. Then the advantage of a skimming station to you would be the difference between what you now receive for your butter, which represents considerable labor and what the returns from the cream would be less the cost of separating it, etc. Should you desire to inquire further command me.

Very truly yours,
F. B. L.

My son has been troubled for years with chronic diarrhoea. Some time ago I persuaded him to take some of Chamberlain's Colic, Cholera and Diarrhoea Remedy. After using two bottles of the 25-cent size he was cured. I give this testimonial, hoping some one similarly afflicted may read it and be benefited.—Thomas C. Bower, Clinch, O.

In sluggish liver, HERBINE, by its beneficial action upon the biliary tracts, renders the bile more fluid, and brings the liver into a sound, healthy condition, thereby banishing the chronic drowsiness, lethargy, and the general feeling of apathy which arise from disorders of the liver. Price 50 cts. Z. C. M. I. Drug Dept.

BOERS DESTROYING A RAILWAY NEAR ESTCOURT.



Every day's delay by the British commander adds to the difficulties attending a forward movement, for the Boers are destroying the railroad tracks in every direction and these must be repaired as the British army advances.

SPECIAL BARGAINS

In all Departments at

F. M. TEETS' Bargain Store.

Here are Some of the GREATEST BARGAINS ever Sold in the West.

DRY GOODS SPECIALS.

Ten cents plaid Dress Gingham to close at5
Eighteen cent Dress Goods, Novelties14
Fifty cent all wool Dress Flannel to go for28
TWENTY AND TWENTY-FIVE CENT ALL WOOL RED FLANNELS, TO CLOSE.....10
Extra good yard wide Bleach Muslin8
Fifty cent Velveteens per yard.....33

MEN'S HEAVY UNDERWEAR.

\$1.25 Value, all pure wool underwear only85
Extra heavy wool, fleeced, worth 85 cents, for65
Come and examine this underwear if you want a REAL BARGAIN.

GLASS WARE SPECIALS.

THREE HUNDRED DOZEN FOR EACH
Beautiful Sparkling Glass Butter Dishes, worth 15 cents for only8
Fancy China Mugs, from4 up
Fancy China Plates, from8 up
Fancy Cups and Saucers, from7 up

SPECIAL TINWARE BARGAINS.

Tinware is now from 25 to 50 per cent higher than it was six months ago. But we have a large lot on hand and will sell for one week at prices below anything ever sold here even when prices were the lowest.

One-half gallon coffee pots worth 15 cents for7
Three tin cups for5
Three 6-inch pie plates for5
Three small milk or pudding pans for5
Bread pans, three shapes3 and .4

WOODENWARE.

2 1/2 doz. Clothes Pins for5
1 pound Butter Molds10
Hat Racks10
Wood or Glass Lemon Squeezers7
Pop Corn Poppers9

DOLLS, TOYS AND PICTURE BOOKS, from .1 up

Come and see our goods for yourself and compare with other would-be cheap houses.

TEA KETTLE BARGAINS.



No. 7 Galvanized Iron Tea Kettle.....35
Granite Iron Tea Kettles48
No. 9 Solid Copper Tea Kettles worth \$1.50 in factory, for.....95
No. 9 Solid Copper Nickel plated.....\$1.15

SAUCE PANS AND KETTLES.



Heavy Retinned Kettle with ball and lip, worth 15 cents, for.....9
Four quart Granite Kettle, worth 50 cents, for.....30
Heavy Retinned Sauce pans.....5, .9 to .20
Granite Sauce pans from.....10
Milk or Water Pails.....8 and .12
Ten quart Galvanized Water Pails.....20

We have some splendid bargains in Childrens' and Misses Shoes.

SHOES! SHOES! SHOES!



Ladies' Shoes from75 up
Ladies' regular \$4.00 Silk Vending top Shoe for\$2.90
Men's Lace or Congress Shoes.....98
Men's Regular \$2.00 Shoes for.....\$1.48

MEN'S AND BOYS' CLOTHING.

A nice line of Men's good heavy all wool Suits, worth \$3.50 anywhere.....\$4.95
ALL OF OUR MEN'S CLOTHING GOES AT A GREAT BARGAIN TO REDUCE STOCK, \$2.50 MACKINTOSHES FOR.....\$1.48
We have the best \$4.50 Mackintosh ever sold in the city.
If you need anything in Clothing it will certainly pay you to take a look at our line and compare the quality and price with what you are paying elsewhere.

HARDWARE BARGAINS.



Full size nail Hammers12
Best solid steel Ball-faced nail Hammers, worth 75c for40
Tack Hammers for.....3, .4 and .5

Full sized Hatchets from .15 up



Bargains in Screw Drivers at.....

.3, .5, .8 and .15
Solid steel Hand Saws worth 75c for.....40
Keyhole Saws.....15

6-inch Steel Nippers and Pincers.....

.10
Wire Cutting Pliers25
Butcher Knives at......5, .10, .20, .30 and .40
Bread Knives only......5
Table Knives and Forks from.....39 per set

ROGERS' BEST SILVER PLATED KNIVES AND FORKS, THIS WEEK.....

\$2.95
Boys' Pocket Knives from......3 up
6-inch Nickel Plated Shears.....5
8-inch Nickel Plated Shears.....10

Extra good Solid Steel Shears, worth 75c, for.....



.48

CURTAIN POLE BARGAINS



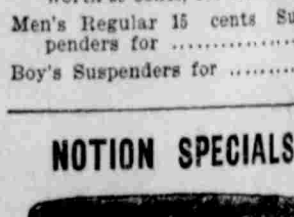
Wood Curtain poles with brass knobs, rings and brackets all complete.....25
Great Bargains in Curtains, Curtain Nets and Scrims.

SPECIAL SUSPENDER VALUES.



Thirty dozen Men's Fancy Web Suspenders with Sliding Buckle and Drawers Supporters, best web ends, worth 25 cents, for.....15
Men's Regular 15 cents Suspenders for.....9
Boy's Suspenders for.....5

NOTION SPECIALS.



7-inch Rubber Combs for.....

.3
Rubber Fine Combs2
Pocket Combs2
Extra heavy Rubber Dressing Combs, worth 25c, for.....12
Fancy Garter Elastic per yard.....2 1/2

15 Hair Pins for.....

.1
2 Ladies' Thimbles for......1
6 Rolls Tape for......5
6 BOXES TACKS FOR.....5

STATIONERY.

24 Sheets Writing Paper for.....2
50 Envelopes for......5
Best Express Lead Pencil, per doz.....9

Stereoscopes, 75c value, this week.....

.25
Pocket Memorandum Books......1
Ladies' Pocket Books from......10 up

WASH BOILERS AND TUBS.

Galvanized Iron Tubs55, .65 and .75
Tin Boilers, coppered bottom.....55, .65 and .75
Galvanized Iron Boilers65, .75 and .90
All Solid Copper Boilers \$2.25 and \$2.50

Our Washington photographer has succeeded in penetrating the barriers around the Chinese embassy at Washington and inducing the wife of the representative of the Flowery Kingdom to sit for her photograph. Americans will be interested in the above product of the camera.



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