

SUGAR BEET PULP FINE FOR LIVESTOCK AS FATTENING FEED

BY W. W. WATSON
Approximately 350 pounds of sugar are extracted from a ton of sugar beets, leaving a residue of 100 pounds of dried beet pulp, which contains three to four pounds of sugar and from eight to nine percent of crude protein.

Those who feed dried beet pulp to stock do not feed it for the protein that it contains. They feed it with something else rich in protein. The average cow requires from two to two and a half pounds of digestible protein daily, as against 14 pounds of digestible carbohydrates. Bran contains only 11 per cent of digestible protein and 48 percent of digestible carbohydrates, while dried beet pulp contains 66 per cent of digestible carbohydrates.

Superior Cattle Feed
A combination of alfalfa and dried beet pulp is so far superior to bran that comparisons are odious. Again, based on digestible nutrients contained in all the feeds, three pounds of the pulp and one pound cottonseed meal are about equivalent to five pounds of wheat bran and much cheaper. The latter costs more than alfalfa—and we can raise alfalfa to perfection, with irrigation, in the Rogue river valley.

Dried beet pulp is very light and bulky, one quart weighing about half a pound. When moistened, it swells to five or six times its original size, even when moistened by the liquids in the animals stomach. It is the bulkiest of all feeds; hence, it can be used successfully in place of corn silage, hay or other roughage. It is highly digestible and very nutritious. Its 20 per cent of crude fiber is 48 percent digestible. Wheat bran is nine percent fiber which is only 29 per cent digestible. Hence, there is twice as much indigestible fiber in wheat bran as there is in beet pulp. In the latter the nitrogen free extract is 91 percent.

Can Be Stored Indefinitely
Dried beet pulp can be stored and kept indefinitely. If a small sample be soaked in water for a few minutes, it will swell until you see practically the original slices of beets as they came from the batteries of the sugar factories.

On 5000 acres of sugar beets in this valley next year we should produce over \$10,000 worth of beet pulp for stock feed, at current prices. The farmers would save more than a third of that sum in freight alone. The people of the valley would save the money paid for help employed to produce the beets among home laborers. The same may be said of the production of molasses as a by-product and the labor necessary to produce it, while the beet tops, if not used as a succulent feed for stock, would be plowed under, returning to the soil some of the potash, phosphorus, lime and nitrogen necessary to their production.

Not a cent need be sent out of the valley for anything used permanently in the planting, cultivating and harvest of sugar beets, granting that farm implements are on sale here. Every cent employed in their production may be made to circulate at home. We have the many thousands of cords of wood required, the best limestone to be found anywhere, and the purest water on earth.

Is there any reason why we should not produce sugar beets—by the hundreds of thousands of tons?

GERMAN LOSSES TOTAL 5,000,000

LONDON, Oct. 24.—The Nieuwe Rotterdamse Courant, as quoted by Reuter's Amsterdam correspondent, gives German losses from October 11 to 29, as 57,424 in dead, wounded and missing. The total Prussian losses are given as 2,021,978.

The newspaper says there also have been issued 228 Bavarian, 209 Saxon 286 Wurtemberg and 63 naval casualty lists, as well as lists of officers and under officers, with the Turkish army. The Courant figures the total losses to the central powers at 5,000,000.

WILLIE RITCHIE BOXES JOHNNY DUNDEE TONIGHT

NEW YORK, Oct. 26.—Willie Ritchie, former lightweight champion, and Johnny Dundee of this city, contenders for the lightweight title, will box ten rounds here tonight. No decision will be rendered.

IMMENSE BASKET OF ROGUE RIVER FRUIT AT THE FAIR

No exhibit yet placed in the Oregon building at the San Francisco exposition has attracted the attention that has been accorded the immense basket of Rogue River valley fruit recently arranged alongside the Southern Oregon booth as a part of its exhibit. The booth was not large enough to hold the basket and a considerable section of the floor space was preempted for the purpose. The red apples, Bosc pears and grapes predominate with just enough of the green Pippins and other pears to form an effective background.

The director of the U. S. government exhibit in the Educational building has asked for a photo and lantern slide of the exhibit, to be included in his selection which he will use in lectures all over the country. He will hand color the slide which bears the legend "Rogue River Valley Fruits." It should be an effective and valuable piece of advertising. Jackson county's exhibit continues to be the piece de resistance of the building's attractions. This is due to the generous response with which the county court and individual growers have met the appeals of Messrs. Sheldon and Frohbach. Especial mention is due C. R. Boyd of Gold Hill for several shipments of fine pears, while the Spitz of Jack Morrill and A. C. Fiero, and the Newtons of Col. TouVelle, have helped immensely in keeping the exhibits in prime condition.

Among the prominent Jackson county people registering at the Oregon building, San Francisco, during the week commencing Oct. 17, were: From Medford: Z. Cameron, Miss Bernice Cameron, Milo Hovdall, Mrs. Volney Dixon, J. L. Kershaw, Mr. and Mrs. John Darby, Mrs. H. A. Butler, Gertrude Butler, W. H. Canon, W. I. Vawter, M. L. Erickson, Col. and Mrs. R. C. Washburn, Mrs. Fred Hopkins, Mrs. J. C. Aitken, Harry Perkins, Mr. and Mrs. L. B. Brown, C. W. Munson, Lela Hough, Mrs. W. E. Coe. From Ashland: E. V. Carter, Frank Carter, Bert Greer and wife, Geo. Owens, Lillian M. Patterson, Mr. and Mrs. W. E. Kahler.

NEW BOOKS ADDED TO PUBLIC LIBRARY

Among the late purchases for the public library have been a number of books for the children's room. Among the titles are:
Adventures of Torqu (Holder).
Damsel for Little Folks (Perkins).
Emerald Story Book (Skinner).
Harper's Everyday Electricity (Shaffer).
In Music Land (Upton).
In Story Land (Harrison).
Indian Fairy Tales (Wade).
Jane Stuart's Chum (Remick).
Mopsy the Fairy (Ingelw).
On the Trail (Beard).
Polly Page Camping Club (Forrester).
Princess and Curdie (Macdonald).
Princess and the Goblin (Macdonald).
Whole Year Round (Sharp).

PORTER CHARLTON SENTENCED TO 29 DAYS IMPRISONMENT FOR WIFE MURDER

COMO, Italy, Oct. 26.—The jury found Porter Charlton only partially responsible and that there were extenuating circumstances.

Owing to amnesty Charlton will serve only twenty-nine days in prison. Charlton under the verdict benefits by the time he has been under restraint and in addition a year is taken off the sentence under the amnesty for all offenses committed since Italy entered the war.

Even though he was greatly pleased over the verdict of the court and viewed with pleasure his approaching



KILLS WIFE IN BEDROOM OF ITALIAN VILLA

DUMPS TRUNK CONTAINING BODY INTO LAKE COMO

ARRESTED AS HE LANDS IN NEW YORK CITY. FISHERMEN FIND TRUNK AND BODY.

liberation from custody, Charlton maintained his usual restraint and almost passive attitude. He thanked all those about him for their congratulations.

Charlton said that after his release he would return to the United States and join his family. Before departing however, he said he would visit and personally thank friends in Como who had by their kindness lightened the hours of his captivity and especially Ambassador Thomas Nelson Page, who as the representative of the American government has seen that his legal rights were observed.

PROBE CAUSE OF PITTSBURG HOLOCAUST

PITTSBURG, Oct. 26.—Investigations started by city and county officials into the box factory fire yesterday that took the lives of twelve girl employes and one man and caused serious injuries to eight other persons, were resumed today.

At the hospital today it was stated that the death of Gertrude Niedt, one of the girls who jumped from the third story to the sidewalk in yesterday's fire, was hourly expected.

NOTICE
Notice is hereby given that the undersigned will apply to the city council at its meeting to be held November 2, 1915, for a license to sell malt, spirituous and vinous liquors in quantities less than a gallon at its place of business at 32 North Front street, in the city of Medford until January 1, 1916.
Dated Oct. 18, 1915.
M. & E. J. ADAMS.

BRYAN CAMPAIGNS FOR A DRY OHIO

LANCASTER, O., Oct. 26.—William J. Bryan began the second day of his campaign for statewide prohibition in Ohio here today with a speech delivered shortly after he had finished his breakfast. Mr. Bryan refrained from discussing politics not involving the liquor question. The proposed prohibition amendment which will be submitted to Ohio voters in the election of November 2, was the speaker's chief topic.

INTERURBAN AUTO CAR CO. Time Table
Leave Medford daily except Sunday for Ashland, Talent and Phoenix at 8 a. m., 1:15, 3:30 and 5:15 and 10:15 p. m. (Saturday at 11:15 p. m.) Sunday leave at 8:00 and 11:00 a. m., 1:00, 5:00 and 9:30 p. m.
Leave Ashland daily except Sunday at 9:00 a. m., 12:50, 2:30, 4:30 and 7:00 p. m., and Sunday at 10:00 a. m., 12 noon, 4:00, 6 and 10:30 p. m.

RUSSIA PURCHASES EXPOSITION LIGHTS

SAN FRANCISCO, Oct. 26.—Twenty-four of the forty-eight of the big thirty-six inch projectors that have formed an important element of the Panama-Pacific exposition illumination system have been sold to the Russian government and are to be shipped at once to European battlefields, it was announced today. The price paid is placed at \$24,000.

AMERICAN CONSULATE AT NISH MOVED TO TSCHATCHAK

WASHINGTON, Oct. 26.—The American consulate at Nish, Serbia, has been removed to Tschatchak, according to a dispatch received today from American Minister Vopika at Bucharest, Rumania.

PARCEL POST TO GERMANY SUSPENDED INDEFINITELY

BERLIN, Oct. 26.—The parcel post service to America has been discontinued until further notice. No official reason for the discontinuance is given.

A Fair Proposition
The manufacturers of Meritol Rheumatism Powders have so much confidence in this preparation that they authorize us to sell them to you on a positive guarantee to give you relief in all cases of Rheumatism or refund your money. Let us show them to you. Price 50c, \$1.00. Exclusive Agency, Haskin's Drug Store.

ALFALFA SEED PROVES PROFITABLE CROP FOR VALLEY

Messrs. M. F. and Ed Hanley of Medford sold their crop of alfalfa seed last week to Ralph Waldo Elden of Central Point for a sum that returned them better than \$40 per acre. The crop was grown on the Hanley farms, near Jacksonville, on an area that aggregated approximately forty acres, and the yield was just about five bushels per acre. As a matter of fact, the yield was considerably better than five bushels per acre, but lack of proper harvesting machinery prevented its being fully gathered. The first cutting was harvested as hay and the growth following was allowed to mature seed.

The seed is unusually fine. Samples were submitted to the state seed laboratories and the report showed that the reclaimed seed has a purity of 99.75 per cent. This is a very high percentage of purity—much higher than the standard required by law. No dodder seed was found. The hulling was done by Al Leonard of Jacksonville and was a very clean job. It is understood that Mr. Alden has options on about as much more locally grown seed and that he will install a thoroughly efficient seed cleaner for handling alfalfa and red clover seed. The Rogue River valley, in Mr. Elden's opinion, has the best climate for the production of high-grade alfalfa seed of any part of the Pacific coast and should be producing several carloads of seed every year as an important source of revenue. Mr. Elden will deal in alfalfa seed on a wholesale basis and his efforts should be of real benefit to the valley.

A CHILD GETS CROSS SICK AND FEVERISH WHEN CONSTIPATED

Look, Mother! If Tongue is Coated Clean Little Liver and Bowels.

If your little one's tongue is coated, it is a sure sign the stomach, liver and bowels need a gentle, thorough cleansing at once. When your child is cross, peevish, listless, pale, doesn't sleep, eat or act naturally; if breath is bad, stomach sour, system full of cold, throat sore, or if feverish, give a teaspoonful of "California Syrup of Figs," and in a few hours all the clogged up, constipated waste, sour bile and indigestible food will gently move out of the bowels, and you have a well, playful child again.

Sick children needn't be coaxed to take this harmless "fruit laxative." Millions of mothers keep it handy because they know its action on the stomach, liver and bowels is prompt and sure. They also know a little given today saves a sick child tomorrow. Ask your druggist for a 50-cent bottle of "California Syrup of Figs," which contains directions for babies, children of all ages and for grown-ups plainly on the bottle. Beware of counterfeiters sold here. Get the genuine made by "California Fig Syrup Company."

"A SHINE IN EVERY DROP"
Black Silk Stove Polish
Is not only most economical, but it gives a brilliant shine to metal that cannot be obtained with any other polish. Black Silk Stove Polish does not rub off—it lasts four times as long as ordinary polish—so it saves you time, work and money.
Don't forget—when you wash stove (and), be sure to ask for Black Silk. It's the best stove polish you ever used—your dealer will refund your money.
Black Silk Stove Polish Works, Sterling, Illinois.
Use Black Silk Air Drying Iron Scales on grates, registers, stove-pipes, and multiple tin stoves. Prevents rusting. Try it.
Use Black Silk Metal Polish for silverware, nickel, tinware or brass. It works quickly, easily and leaves a brilliant surface. It has no equal for use on automobiles.
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Made in Medford From Rogue River Valley Blue Stem Wheat
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makes the right kind of a house. We have the right kind—right in quality, and right in price. We can make immediate delivery of trim, sash, doors, blinds, columns, etc. Let us quote you prices on your order. We promise to save you money.
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