MEDFORD MAIL TRIBUNE, MEDFORD, OREGON, MONDAY, DECEMBER 21, 1914

PACIE THREE



President Kerr of O. A. C. Tells What **Experts Found Regarding Cultiva**tion and Yield-Possesses All Requirements for a Sugar Factory-Percentage of Purity High.

In response to an inquiry regarding data compiled by the Oregon Agricultural college regarding the grow . ing of sugar beets, Dr. W. J. Kerr, president of the college, writes as followne

"Corvallis, Or., Dec. 19, 1914. "Dear Mr. Putnam:

"Your letter of the 15th inst. inquiring in regard to the beet sugar industry and the growing of beets in this state, was duly received. I am glad to give you such information as we have, but regret that it is not as complete as desired.

City, Idaho, and Joseph Qainny, Jr. The experiment station of the Agricultural college conducted beet sugar manager of the factories in southern investigations during the eight years. Idaho, and northern Utah. Mr. Austin repliés as follows; from 1890 to 1898. During these investigations seeds of standard varieties of sugar beets were furnished to ton of beets, as cost varies with clifarmers in different parts of the matic, soil, fertilizing and other constate, under an agreement that the ditions." farmers would cultivate the beets un-

der the direction of the experiment station and would report the yield and send samples for analyses, During these investigations hundreds of samples were analyzed and the data tabalated. As a result of this work, cents for each additional ton. Hand five bulletins were published, namely: Bulletin No. 17, February, 1892; No. 23, February, 1893; No. 44, March, 1897; No. 53, April, 1898, and No. 59, December, 1899. Unfortunately, all of these bulletins are out of print. If

I can succeed in sceuring copies of any of them, I shall send them to ward same to your address. YOU Bulletins Out of Print

All of the work mentioned was under the direction of Professor G. W. Shaw, who at that time was chemist of the experiment station. The work related primarily to the sugar content of beets grown in different parts of the state. Some data, however, was various sections. So far as I can ascertain, there is no data available on the cost of production. Such data, however, would be of little value at! the present time on account of chang-

ed economie conditions.

as high as those obtained in Union county, it should be borne in mind that they were obtained under more unfavorable gircumstances. I do not think they represent the best that may be expected in Jackson county. As it is, however, they are very favorable. " 'The manufacturing conditions of

this part of the state are about the ame as exist in the eastern portion. While there are not so many acres suitable for beets in this county as in Union county, yet there are fully 50,-000 acres adapted to the industry, sufficient to supply heets for two or three factories of ordinary size, There are points near which a fac-

tory would find a good location, each possessing a little advantage in some respects over the other. It would be entirely feasible to bring abundance of water to Medford at a comparatively slight expense, which would not only be available for factory pur-

ager of the sugar factory at Sugar

" Impossible to tell cost of raising

"Mr Quinny telegraphed me as fol-

"Cost per acre for twelve-ton eror,

\$36.70 to \$42; for twenty-ton crop,

\$47.20 to \$49. Hand labor contract.

\$20 per twelve-ton crop, plus 50

labor, \$2.50 to \$3 per day; team and

man, \$3.50 to \$4 per day. - Sugar

content varies from 14.5 to 17 per

"Mr. Quinny says that he is send-

ing more complete information by

mail. As soon as received I shall for-

a Sugar factory."

lows:

cent."

poses, but might also be used for irrightion for beets and other crops when thought advisable. Both fuel yeal, \$8.00(a 8.50; prime heavy yeal, now has arrived for us to make use and limestone are abundant in the lo- | \$6,00(a 7.50.

cality. In the light of these facts 1 certainly believed that Jackson coun. Prime light, \$7.40(a 7.50; medium, with men and material, the hour of ty possesses all the requirements for 7.20007.30; smooth heavy, \$6.8500 attack has arrived. We kept the Ger-7:10; rough heavy, \$6.40(a 6.50. **Cost of Production**

-Matinee and night.

higher, others steady. Wethers, \$5.25 of the invaders. "As an assistance in getting infor-@5.60; ewes, \$4.50(a 5.70; lambs, mation that might be helpful to you, I telegraphed Mr. Mark Austin, man-



COL W. F. CODY (BUFFALO BILL)

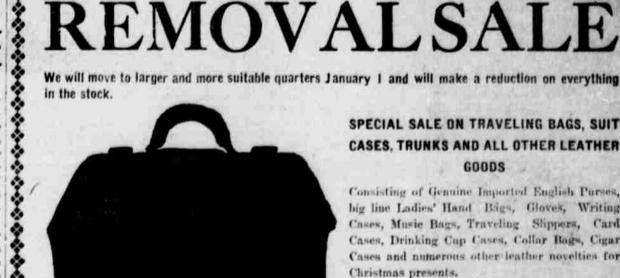
INDIAN WARS AT STAR

der reads as follows: "During three months the enemy Colonel Cody in the Indian war- at has made numerous fierce attacks the Star theater tonight and Tuesday without being able to break through

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man forces in check, and it is now Sheep-Receipts 1680. Ewes 25c our business to clear the fatherland

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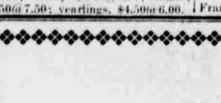
"W. J. KERR, President."

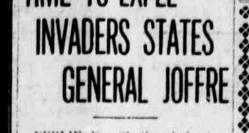
Portland Livestock Market

PORTLAND, Dec. 21.-Cattle-Receipts, 526; 25 cents above Saturobtained in relation to the yield in the day. Prime light steers, \$7.25(a7.50) prime heavy steers, \$6.75(a.7.25; good, \$6.25(a) 6.50; medium, \$5.75(a) 6.00; prime cows, \$5.65(a 6.00; medium, \$5,35(@5.50; common, \$5,00(@









BERLIN, Dec. 21, (by wireless).-In the official statement issued today the great activity shown by the French along our entire front has been explained by an army order dated December 17 and signed by General Joffre, commander-in-chief of the French troops, which was found on a French officer. This or-

"Director Cordley of the experiment station has compiled from the officical copies on file of the bulletins mentioned the following data relative to the sugar beet investigations in Jackson county:

"'According to results reported in Bulletin No. 17, ten different samples of beets grown in Jackson county showed an average of 13.95 per cent sugar in the juice, as compared with an average sugar content of 13.38 per cent for beets grown in the Willamette valley. In Bulletin No. 23, the average sugar content of beets grown in the different natural divisions of the state during 1892, was summarized as follows: Willamette valley, 44 samples, 14.7 per cent eastern Oregon, 11 samples, 19.2 per cent; Southern Oregon, 10 samples, 15.1 per cent. The average yield in Jackson county in 1892 was 14.7 tons per aere.'

Most Favorable Conditions

"Dr. Shaw's conclusions are summarized in Balletin No. 53. After speaking, of the unfavorable conditions in the Willamette valley due to the fall rains, he continues ;

" In eastern and southern Oregon, however, these conditions do not hold conditions are admirably adapted to the industry, wherever water, limestone and fuel can be had at reasonable prices.

"'Samples received were planted between April 2 and May 1, a month earlier than was the case at La Grande. The harvesting took place from August 9 to October 9. 1 hardly think those harvested in August were mature. In all probability all the beets harvested in August would have shown higher results had they heen left in the ground another month. The average was 15.5 per cent sugar in the juice, 81 per cent parity, for a beet weighing 15.4 find in a first-class market, ounces and a yield of 16.1 tons per acre. This average yield was also much reduced from the fact that several plats are included which were grown on the hill lands where the yield was small, and on soil which I do not consider adapted to beet culture in this locality; and still further FISH AND POULTRY stand was poor from not having used a sufficient amount of seed. Wherever there was a good stand on soil adapted to the culture there was a VAN R. GILBERT, Prop. most excellent yield.

" While these results are not quite 108 W. Main.



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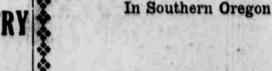
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