

# AN OLD REPORT ON SUGAR BEETS MOST INSTRUCTIVE

The following extract from an extensive review of the sugar beet proposition in Jackson county, published in the Medford Mail in 1897, eighteen years ago, are not only peculiarly appropriate at this time, but especially instructive, since they cover the results of exhaustive inquiry in co-operation with Prof. G. W. Shaw of the Oregon Agricultural college, in which the latter says:

"It has been my pleasure to visit Jackson county during the past week and to study the conditions which obtain for the growing of sugar beets and the manufacture of sugar therefrom.

"In 1891 I began experimenting with sugar beets in Oregon, believing that we had within our state the requisite conditions for the production of beets rich in sugar and with high purity. In 1892 the experiments were again conducted, beets being grown by representative farmers in different sections of the state. The U. S. agricultural department also conducted independent experiments along the same line. The results obtained in the experiments made in Jackson county interested me particularly, inasmuch as the sugar content of the beets analyzed were high, and other economical conditions including fuel, limestone and water supply, seem especially favorable to the development of this important industry.

**Constituents for Sugar**  
"That you people will have a better understanding of this matter, allow me to say that a good sugar beet should contain 14 per cent sugar and have a purity of 80 and should have a long tapering root without branching rootlets.

"The beets from Jackson county analyzed previously to this year gave an average of 17.93 sugar; purity 81; the report of the chemist of the U. S. department of agriculture showing sugar 18.94 per cent, purity 84.9. Analyses made the present season (1897) have also shown mature beets to carry a high percent of sugar content and purity.

"A glance at the temperature conditions would indicate, a priori, that such results might be expected.

"The season for the growth of

beets may be divided into three periods: that of germination; that of plant formation, and that of sugar storing. The following is a comparison of the temperature averages for Germany and Southern Oregon during these periods:

Periods of Growth	Av. Temp. Foreign	Av. Temp. So Ore
First	49.1	53.3
Second	63.3	64.5
Third	56.3	54.8

"Thus it may be seen that your section of the state has all the requisites of temperature for the industry.

**Indirect Benefits**  
"The indirect benefits to be derived from the establishment of such an enterprise means a great deal, among which may be enumerated a much increased population, a decided rise in the value of lands, employment for all who are willing to work, the development of lime and coal deposits, better sale for farm products and an increased yield of cereals and other crops which will follow from the more thorough cultivation of the soil.

"I trust that you people may take hold of the matter in earnest and lend every possible aid to an undertaking for the development of which you have such excellent conditions."

"We have been a long time making up our minds to do something for ourselves in this matter," said a pioneer farmer who looked over this old report in company with the reporter. "but, now, nothing beyond absolute indifference to our own interests and lack of enterprise and business acumen generally is in the way."

## SOUTHERN PACIFIC SHOWS A LOSS

NEW YORK, Oct. 25.—The annual report of the Southern Pacific company and its subsidiaries for the year ended June 30 last, issued today, shows a decrease of \$2,746,159, or 6.12 per cent, in net revenue from railway operations, and a decrease of \$687,598, or 3.23 per cent, in net income.

Reference is made by Chairman Julius Kruttschnitt of the litigation brought by the federal government against the company's title to oil lands as well as its land holdings in California and Oregon.

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## BULGARS CAPTURE SERBIAN RAILROAD CENTER OF USKUP

PARIS, Oct. 25.—"According to information from an authorized source, the Bulgarians have taken Uskup," is the concluding sentence of an official statement issued by the Serbian war office and forwarded by the Havas News agency.

The statement, which outlines the situation as it existed on Friday, Oct. 22, follows:

"Northwest front: Serbian troops retired on the left bank of the Mlava. Near Vishegrad, in Herzegovina territory, the enemy succeeded in crossing the Drina river.

"Bulgarian front: Under strong pressure by the enemy in the direction of Kniazevac the Serbians retired on the direct defensive positions of that town. The enemy succeeded in passing to the left bank of the Timok river in an advance toward Kraljevo-Zivo.

"According to information from an authorized source, the Bulgarians have taken Uskup."

## HARD TIMES NO BAR TO ALIENS

WASHINGTON, Oct. 25.—Immigration officials were today shorn by the supreme court of the power of excluding aliens because, in their opinion, commercial depression at the place of destination might cause the aliens to become public charges. Some Russian immigrants destined for Portland, Oregon, were ordered released from custody in which they were held for deportation. The decision reverses a policy of the immigration service.

"The immigration law deals with admission to the United States and not to Portland," said Justice Holmes. "It would be an amazing argument for immigration officials to refuse admission to the United States because the labor market in the United States was overburdened, and yet that would be more reasonable that refusal to admit because of depressed conditions in one city."

### THE PAGE TODAY AND TOMORROW



A scene from "Gladiaola," introducing the "Sweetest Girl on the Screen," Viola Dana.

## CONGREGATIONALISTS OPPOSE BIG ARMY

NEW HAVEN, Conn., Oct. 25.—A resolution to place the National Council of Congregational Churches on record against increased armaments in the United States was presented at today's session by the business committee on behalf of Rev. Dr. Charles E. Jefferson of Broadway Tabernacle, New York City.

Moderator K. M. Beardsley of Kansas City offered an amendment which in effect would ask all churches in the country, without regard to creed, to join in a movement against militarism and increased armaments and towards a path which would bring an early peace in Europe.

The resolution and amendment will be acted on late today.

## KAISER'S AGENTS SINK SHIPS

(Continued from Page One.)

spionage and held without bail. Detectives said, however, that Duesche had given them much valuable information and they expected him to be an important witness.

## Kept Auto and Motor Boat

At a garage in Washawken the police found a high-powered automobile held in Fay's name, and at a boat-house on the Hudson river a swift mo-

torboat which he was said to own. In the boat-house they also found four wooden boxes, each containing 120 pounds of chlorate of potash, one of the ingredients used in the manufacture of so-called sugar bombs, in which water percolating into the receptacle melts the sugar, releasing springs and causing an explosion.

This machine, the commissioner said, contained works like a clock and was to be attached to the propeller or rudder of a ship. The machine was so constructed, he said, that the stirring of the water would cause a rod connecting with one of the cogs to release a spring, resulting in an explosion which would disable the ship and force her to enter the nearest port.

## Conspirator Arrested

"When the German secret service arranged for my trip to the United States they left the advisability of using my device to the judgment of German military and naval authorities in this country," Fay said. "Both Captain Von Papen and Captain Boy-Ed strongly refused to make any use of my device in this country, but said that its use in Canada would depend upon developments."

Late today Dr. Herbert Krienzle, 28, manager of a cloak company of this city, was arrested on a charge of plotting, with others, to destroy steamers plying between New York and foreign ports. He was arraigned in the federal building and held in \$25,000 bail for further examination.

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## GOVERNOR HERE ON WEDNESDAY TO DEDICATE ARMORY

Word has been received from Governor Withycombe that he will arrive in Medford with his staff at 4 p. m. Wednesday next to take part in the dedication of the new armory quarters of the Seventh company. The party will go direct from the depot to the armory, where the governor will deliver an address following his presentation by W. H. Gore. B. F. Mulkey will also address the meeting, his appearance being the last before a Medford audience, as he will soon leave for Portland to reside.

Herbert Alford will render a solo prior to the dedication exercises proper.

The Seventh company have requested the papers to announce that an invitation is extended to all to attend the dedication exercises at 4 o'clock, and that no charge is made. Everybody is invited to hear the governor's address and take part in the dedicatory exercises. A large shipment of folding chairs has been received for the armory, and it is found that the drill hall will seat about 500 people comfortably. The rooms have been beautifully decorated for the occasion and the Seventh company boys are desirous that everyone will avail themselves of the opportunity to inspect the new quarters, hence the general invitation to the public.

Mrs. Withycombe, Miss Withycombe and wives of the staff officers are with the party and will attend the exercises at the armory.

The Commercial club is arranging to have the band meet the governor's party at the depot, and with the military company will form a parade to the armory, where the exercises will at once begin.

In the evening will be held the reception and ball, to which every one is invited. The patronesses for the reception are: Mrs. Colonel H. H. Sargent, Mrs. Captain A. J. Vance, Mrs. A. E. Reames, Mrs. Mahlon Purdin, Mrs. William Budge, Mrs. W. H. Gore, Mrs. Bert Anderson, Mrs. H. A. Thierolf, Mrs. S. S. Smith, Mrs. R. W. Ruhl, Mrs. C. E. Gates, Mrs. J. C. Mann, Mrs. J. F. Mandy and Mrs. Gus Newbury.

The reception will start at 8 o'clock and the dancing begins at 9. Hazelrigg's full orchestra will furnish the music for the occasion.

The reception committee is the following: Colonel H. H. Sargent, Colonel F. V. Medynski, Captain A. J. Vance, First Lieutenant Elmer Foss, Second Lieutenant Holbert Deuel, W. H. Gore, Judge Mahlon Purdin, Bert Anderson, S. S. Smith, John C. Mann, William Budge, Gus Newbury, R. W. Ruhl, C. E. Gates and A. E. Reames.

## MEDFORD DEFEATS GRANTS PASS 34 TO 0

The Medford high school defeated the Grants Pass high school by the score of 34-0 before a good sized crowd Saturday afternoon. The Grants Pass boys did not have a chance at any part of the melee. Medford started off with a rush and did not let up until the last whistle blew. Carter Brandon showed up well in the kicking of goals, making three out of a possible four. Seely, Gentry, and Noel Calhoun were the stars of the game. Thomas did not play as the result of an injury received in the Klamath-Medford game. As a whole the team played in grand style and they feel confident of beating the Klamath Falls boys here next Saturday.

## AIRSHIPS ATTACK FRENCH

(Continued from page one)

either fell in canals or upon places in the city where only slight damage was produced.

"The aeroplanes returned at about 11 p. m. One bomb fell in the court of an almshouse and set fire to piles of wood. Two other bombs exploded without doing any damage. No one was hurt."

BERLIN, Oct. 25 (by wireless to Sayville).—Further advances for the Austro-German troops on the Serbian front, including a successful forward movement by the new force which has crossed the Danube near the Rumanian frontier, were announced today by the war office. The Bulgarians have advanced twelve miles north of Pirot, near the center of the Serbo-Bulgarian frontier.

SCHOOL WARRANTS FOR SALE  
School District No. 74. Warrants for sale. Amount One Thousand Dollars, in \$50 units, to run from one to five years, with legal interest.

J. W. MILLER, Clerk.

# A New Department Opens at the May Co. Store THE BARGAIN SQUARE

## EVERYTHING FOR LESS

OWING TO OUR INCREASING BUSINESS AND THE GREAT DEMAND FOR POPULAR PRICED MERCHANDISE DURING THE PRESENT ECONOMIC PERIOD HAS PROMPTED US TO ADD THIS DEPARTMENT, WHICH SHALL BE ONE OF THE FEATURES OF THIS STORE IN THE FUTURE. AND ONE THING YOU CAN BE ASSURED OF, THAT IT'S FOR LESS—IF IT'S ON THE BARGAIN SQUARE. ODD LOTS, SHORT LENGTHS, DISCONTINUED LINES AND MERCHANDISE BOUGHT SPECIAL FOR THIS DEPARTMENT ONLY WILL FIND A PLACE ON THESE TABLES.

Come In and Get Familiar With This New Department. These Prices Hold Good Until Lines Are Closed Out

- LACE CURTAINS 49c**  
One lot only Ecru Net Curtains, extra long, slightly soiled, sold at \$2.75—At the Bargain Square. **49c**
- CURTAIN NETS AND SCRIMS 10c**  
Only four or five pieces of Ecru and Cream Net, 56 inches wide, some are figured, worth to 25c—Bargain Square price **10c** at
- SCRATCH PAD FREE To School Children**  
With every pair of hose sold at the Bargain Square. Regular 15c Guaranteed Hose for boys or girls, Tuesday only—at the Bargain Square for **10c**
- MAKE YOUR RESERVATION FOR MATINEE TO BE GIVEN AT STAR THEATER NOVEMBER 3**  
Through the Gossard Corset Co. of Chicago we have made arrangements to show the exclusive film, for ladies only, showing the actual corset fittings on living models. These fittings are combined with an interesting story, "How Marjorie Won a Career," and is instructive as well as entertaining. Call at the store and get your ticket, which entitles you to admission on that date.
- IF YOU SEE IT ON THE BARGAIN SQUARE--IT'S FOR LESS**
- GOLD DUST 3c PACKAGE**  
Just one quality and kind of Fairbanks' Gold Dust, so you are sure to get the original—at the Bargain Square. **3c**
- CHILDREN'S PAJAMAS 49c**  
Good quality Sleeping Garments, made of outing flannel, in neat stripes, mostly pink and blue, sizes 6 to 14 years, sold regular at \$1.25—Bargain Square **49c** price
- LUNCH CLOTHS 98c**  
A 36-inch All-Linen Cloth, usually sold at \$1.50, the one lot in a variety of patterns to be closed out at the Bargain Square at **98c**
- LINEN GUEST TOWELS 12c**  
Regular 25c Towel, all linen, hem-stitched ends, very good for Xmas gifts, several patterns, while they last at the Bargain Square **12c**
- KIMONO FLANNEL 12c**  
Mostly large patterns, in the different colors, also a few small stripe Fleeced Shirts worth to 25c—at the Bargain Square **12c**
- HOUSE DRESSES WORTH TO \$2.00**  
Percale Dresses, high neck and long sleeves, dark red and blue, all sizes some 10 or 12 in the lot—at the Bargain Square **49c** for
- SHEETS, EXTRA SPECIAL, 39c**  
A Hemstitched Sheet, made of medium weight and quality muslin, 2 1/2 yards long, never sold less than 50c to 60c—at the Bargain Square **39c**
- \$2.50 GRADE BLANKETS \$1.29**  
A Fancy Cotton Blanket in Indian robe patterns, mostly blues and red, only a limited number to close out at this price **1.29**—at the Bargain Square
- SUITS WORTH TO \$35.00**  
Just five of these last season's Suits remain, sizes and colors are good, and can be made over by a little management—at **7.50** the Bargain Square
- BED SPREADS (SECONDS) AT 98c**  
A spread you would pay, when bought in the regular way, \$1.75 and \$2.00, cut corners and fringed, some scalloped—at **98c** the Bargain Square
- 12 DOZ. WAISTS, WORTH TO \$2.00**  
Practically all of our past season's stock of voiles, organdies, lawns and fancy wash materials go at this special price to clean up, all sizes and dozens of styles, mostly white, at the Bargain Square **79c**



# THE MAY CO.