MEDFORD MAIL TRIBUNE

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ation Manager at 250R.

BRIEF PANIC IN TUMBLES PRICES

CHICAGO, Feb. 13 .- Stop le selling of wheat today led to a wil downward swing in prices. Weakness developed right at the outset, but did not become extreme until the approach of the final hour of th a bushel, whereas the price not many days ago was \$1.67.

for the time being appeared to form secure for a song property worth millions.

The quarter of a cent savers have passe

down, as compared with Thursday of millions of the public domain. ht. May finishing at 1541/4 and July at \$1.29% to \$1.30.

REMOVES DANGER

papers hail the victory in East Prus sia particularly as removing further danger of an invasion of that province. They point to the Russian reit admits that the Russsians are falling back to the protection of their chain of fortresses.

a strong offensive which the Russians are believed to have been preparing in theis region.

The capture of 25,000 prisoners reported in the German official comentire army corps has been put out of the fighting. The fact that the num ber of guns captured is comparatively small is commented on in some quarters as indicating that the Russian who are said already to have lost a third of their artillery through capture are now insufficiently equipped in this arm of the service.

THREE CHINESE DEAD OVER CELEBRATION

Guck killed Chin Ham and Chin the most satisfactory year since the Chong. He was himself killed by factory was established

hinese new year.

LEGISLATIVE ECONOMY

THE legislature is not making a very enviable record. ■ So far all legislation enacted has been trivial or destructive. The economies effected consist of the abolition | The following article was written duce a beet of a certain size. The of boards like the state immigration bureau, that asked no by Leslie Freudenthal, a 15-year-old size and quality of the beet depend on The mixer is a long trough, in appropriation this session, and of the state conservation high school student at Jacksonville. the right kind of spacing. The beets which a shaft revolves. On the appropriation this session, and of the state conservation the state conservation appropriation this session, and of the state conservation the state conservation the state conservation the subject was assigned Monday and commission, which called for no money and which, company the paper read Friday. His standing and hand weeded, because cultivation tends to conserve the moisture throughout the week was excellent:

| Mat. Bank of Change and the right kind of spacing. The best and the right kind of spacing. The best arms that play in the sugar, beating the crystals apart, and bringing them near other molecules throughout the week was excellent:

| Mat. Bank of Change and State are steel arms that play in the sugar, beating the crystals apart, and bringing them near other molecules throughout the week was excellent:

| Mat. Bank of Change and State are steel arms that play in the sugar, beating the crystals apart, and bringing them near other molecules throughout the week was excellent: Watson, who paid their own expenses and gave freely of The raising of beets for sugar is of the soil, and clean fields permit still unattached. When the grain or their time, whose work has been the compilation of the a development of recent times. This favorable action of sunshine and air. crystal is of the right size it goes to Oregon water code, said to be the best in any state, and industry has grown so rapidly that This close cultivation should be kept the centrifugal. other laws for the public good. Other economics were the curtailment of needed improvements in the state insane asylum, the proposed abandonment of the girls' industrial school and similar state institutions.

The centrifugal machine is a ket-tile shaped vessel, in which the wet shade the ground, and reach a size where it would be injurious to operate ate among them further with a plow 1200 times a minute. Its sides are Medford's Leading Theater school and similar state institutions.

The session began with a flood of bills to abolish most the raw sugar we could tell very easof the constructive legislation of the past decade, which my, for the beet sugar has a very disforced a scurrying to the capitol of persons from all parts removed by refining. of the state. Board after board, which secures no appropriation and is self-sustaining, whose members draw no interesting. It was not discovered hand. Boys are employed to "top" our tables. It is a beet sugar in Last Day of the Famous Victoria Subscribers failing to receive • salary and serve from a sense of public duty, was attacked by accident like so many of our use-them after which they are sent to the many respects, but does not compete them after which they are sent to the factory. If that is too full to receive with the popular granulated sugar of nightmare is over it is questionable whether any real econ- sult of years of painstaking, unsue- them, they are piled up and covered omies have been effected.

> Some orchardist near Corvallis who did not pay the presence of sugar in beets in has not yet been solved, as there is quantities at the refineries. The attention to his grove had some peach trees cut down by 1747, and soon both French and Ger- danger from both sweating and freezbeavers, with the result that the lower house has passed man chemists were at work trying to ing. a law exempting the almost extinct beaver from protection. The present law gives a land-owner the right to exterminate beaver on his land, provided destructive work is being done, on permit from the game warden.

> But while the legislators are swinging the hammer it is hard to get rid of certain im- under the boards is a cemented or ties but do not remove the yellow upon constructive legislation, while they are throttling the purities in the juice of the beet paved flume for running water. The color. development of the state by killing proposed reclamation projects and defeating an increased levy for state highways, while doing their best to retard the progress of the given to the work. state, they have been removing the safeguards of the peo- England and France were at this under ditch or flume, and this lifts treated as it was at the cane mill, ple from the encroachments of monopoly.

A strenuous effort is under way to amend the compensation law for the benefit of the liability companies. A raised. Sugar was selling at from the rim of a wheel and are carried possess greater adhesive power among vicious bill is pending (H. B. 327), which has a good chance \$1 to \$2 a pound, and knowing well into the washing-augur, which resion. At that time a violent lurch of passage, which presents the streams and rivers of Ore- that the sugar beet would grow in volves in an iron trough. As the took place and the market crashed to gon to private concerns. A paving bill has been debated a French soil, Napoleon offered a prize beets are forced along they become took place and the market crashed to golf to private concerns. A paving on has been debated a to any one who would demonstrate clean. At the end of the trough they a point 8½ under Thursday night's week, that destroys competition in paving bids and reclose, May going to as low as \$1.50 moves from county courts the right to award contracts from its juice. The result was that top of the building, drying as they according to their best judgment.

The house has passed H. B. 351, to enable water-power the century the beet sugar industry fall into an automatic weigher, which individual operations were lost count companies to control all the unused water power of the grew to be of great importance in tips at half a ton, registers, and drops of completely. Before the excitement state. This bill, with H. B. 349, enables private monopoly was fairly checked, another cent had to grab and hold valuable power sites, conferring the right been more recent, but during the diffusion battery. It is a large disc, in some cases been clipped from to condemn and take any piece of land belonging to peo- past few years very rapid indeed on which are knives of various shape.

prices and May wheat sold at \$\$1.49 ple state or federal government, which might have been This rapid development has been These revolve under the mass of ple, state or federal government, which might have been This rapid development has been These revolve under the mass of Almost complete stoppage of export the time from the United States water power needed by municipalities. The object is to

The quarter-of-a-cent savers have passed a bill through lished experiment stations where sliced roots. The contents of each The worst of the semi-panic was both houses cutting the county commissioners' salary crops of beets have been raised, and will weigh two or three tons. Eight over in fifteen minutes, but the mar- from \$4 to \$3 per day. The house has passed a bill restorket remained extremely nervous up ing to the sheriff the tax-collecting duty, rather than raise seed to the farmers and otherwise service, getting ready to take places to the closing gong. Shorts buying to the sheriff the tax-collecting duty, rather than raise seed to the farmers and otherwise service, getting ready to take places to realize profits helped to rally the market somewhat in the final dealings. The close was 5 to 51/8 to 51/4 to

No wonder the people are getting to view the legislature as a biennial nuisance and sigh for its abolition.

THE SHIP PURCHASE BILL

W HY is the administration so set in favor of the ship and that of the manufacturer. The goes. Before it is urged into the purchase bill?

Because it offers the only practical solution of the unacquainted with the methods of becoming thick and rich with sugar problem before the nation of securing an adequate merchant marine and the only relief possible for the manufac-BERLIN, Feb. 13 .- The morning turer and shipper from the extortions of the shipping certain methods in farming, and is potash, sodium and calcium that are monopoly.

Since the civil war the nation has waited for a merchant marine and the ship builders have refused to comply thinks from his long experience at The sticky chocolate colored liquid port of the battle as an indication with the demand. They have tried to force a subsidy and of the completeness of the defeat as refused ships until the subsidy was forthcoming.

Why should the people pay a subsidy when they can be must apply principles in many ize the acids, carbonic acid and own and operate its own ships? Why is a \$30,000,000 sub-The victory is especially prized be- sidy to private monopoly right, and a \$30,000,000 appropricause of the frustration of plans for ation for government-owned ships wrong?

While the people waited for the shipping trust to fur- steers, but in the case of sugar beets The juice goes into clarifiers (that nish the ships, and the shipping trust waited for subsidy, he finds that the first question is not is iron kettles holding five hundred American commerce has been seized by foreign owners, one of size, but of quality. He must gallons) one of the before mentioned And now the war has forced the issue. Foreign ships are munication, means that practically an lacking, American commerce languishing. Our manufactomplish this he must give careful at than 200 degrees. A thick seum turers are unable to take advantage of the new markets or tention to the work of preparing the rises, and thus what is called the deto supply the old. And the shipping trust still clamors land, planting the seed, bunching, facation of the juice is effected. for subsidy.

It is the old story of private monopoly seeking special rich soil, and the proper rain condi-legislation and opposing any move that means relief to the tions at the proper time. There can teal, with copper steam coils in the people—and the administration again is firm for the be no general fixed rules applying to bottom. A glass window permits the people.

Half a Million Bags of Sugar

(From the Omaha Bee.) losed up the job of slicing beets at 2 o'clock Monday, finishing the big- United States the last season, and terward roughened, as it must in Ne VANCOUVER, B. C., Feb. 13. gest crop of the best beets ever there was less waste acreage; the brasks. The ground must be moist Three Chinese are dead and three are grown in the North Platte valley or beets were better taken care of. The enough to germinate the seed. The in a bospital as a result of a New Nebraska. As is usual on such oc- tonnage per acre was larger and the seed is planted at depths of from half Year shooting affray which took casions the factory whistle is blown sugar content better than any prev- an inch to two inches. by machines place today in an Oriental rooming- for a half hour. Manager Simmons ious year. The total output which which will sow and cover several se of Pender street East. Chin says that in many way this has been exceeds 500,000 bags, will fill 1000 rows at once. The beets must be

aping from the second story win- One million, four hundred thouslow of the place in Market alley, and dollars was paid to the beet where he landed on his back. The growers of the Scott's Bluff country. ided are Chin Gum, shot in the Two hundred and ten thousand tons Chin Hawk, ankle bones shat- were sliced at the Scotts Bluff facered, and Chin Wing, shot through tory, and about 40,000 taken to other factories. The campaign has lasted The shooting followed a night of 117 days of 24 hours each, and 700 ing and celebration of the men have been employed in the mill. After a short rest the greater part of Ambulance Service Deputy Coron

these will go to beet fields for the cinity for 1914 is the largest grown

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Sugar Beets, Their Products and Bi-Products

ance or taste, but if we could taste and hoe.

Its growth in the United States has these and in other states.

know how to raise sugar beets. He or macerating process. farming he knows how to farm, and now goes in troughs to a strainer, and eventually he finds out his mistake, thence to a vat. Fermentation be-He finds that in growing sugar beets gins at once. To remove or neutralin other crops. For instance he has acid may be added and heat applied, been accustomed to growing large or the juice may be passed through ears of corn, large hogs and large the fumes of burning sulphur. grow beets of a certain size, purity, acids are added to the warm juice. and sugar content. In order to 'ac- and the heat is further raised to less thinning, and cultivating.

The ground should generally be plowed deep, and in most instances sub-soiled. Before the seed The sugar factory of Scottsbluff summer. The crop grown in this vily pulverized by harrowing and roll under any one supervision in the ing, even if the surface has to be afplanted near enough together to pro-

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cossful, and costly experiments. A with the tops or with a layer of soil. German apothecary first discovered The problem of correct preservation together with molasses arrive in vast

problem offered great difficulties for is bottomed with loose boards, and These hot bags retain many impuri-

time at war, and as ports were block- the loose boards. The beets fall or it may be run into numerable small before the close of the first half of go. Arriving at the top the beets

state governments. They have estab- fills tall upright cylinders with clean beet sugar are California, Michigan, the least sugar remaining in the Colorado, Utah and Nebraska and the beets. When No. 1 is practically exnected, and No. 2 becomes No. 1, There are two sides to the propo- and the fresh cylinder becomes No.

sition of beet sugar growing and 8. The water goes from cylinder to manufacture. That of the farmer cylinder acquiring sweetness as it and that of the manufacturer. The goes. Before it is urged into the e considered. To begin with he is under pressure among the fresh beets cultivating the sugar beet plant, and -in fact the water that comes from his first experience usually proves un- No. 8 is 50 per cent sugar, and is free satisfactory. He is accustomed to of the nitrogen, fibrine, sulphur, not inclined to listen to those who the especial results of any crushing

The clarified juice then flows into In the first place he must have a the vacuum pan. It is a vacuum the kinds and application of fertiliz- liquid to be seen, and electric lights ers. There are however some things make the interior still more plainly settled about growing sugar beets. visible. An air pump and condensor

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remove the air, and the juice boils with less agitation than in the open air. When the molecules of sugar begin to form into crystals the charge

is dumped into the mixer.

Harvesting is delayed as late as parts of the sugar are heaviest and

Hogsheads of unripe or unfit sugar material goes to the top floor where it is dissolved in hot water, and

Warm waste water is let into the high are filled. The syrup may no be

Lime-cake is another by-product of the sugar beet. It is used in the construction of pavements, roofing, etc., by drying, pulverizing and mixing It's Always a Big Show at the Page with asphaltum

In Europe efforts have been made to utilize the seed stalks by chopping them up, and mixing them with some but owing to their fibrous condition this attempt proved unsuccessful.

Other waste materials are waste water the old filter cloth, discarded rubber belting, and gunny sacks. The water is very seldom used, except to wash alkali out of the ground, for irrigation purposes, or to wash the pulp and lime cake away from the factory.

nursery men for wrapping purposes. Rubber belting finds ready sale as brake-block lining, and for rubber

price, for it would not be economy to ship them back to Europe to be refilled with seed.

As it is cheaper to raise the beets in the vicinity of the factory, you can see large fields near the factory devoted to that industry. From three to five thousand acres of beets are necessary to insure product enough for one factory. The sugar making season comes after the harvesting and lasts for three months or more. At the end of this time the factory is idle save for necessary repairs or improvements.

It costs an average of \$30 to produce an acre of beets, and the net profits amount from \$18 to \$25 per acre It's Always a Big Show at the Page and sometimes much more, better results depending on soil and skill of

with less heat than 212 degrees and How's This?

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