WHY TAFT OR ROOSEVELT?

Under Them, Yet They Promise Re-

According to the bulletin of the federal bureau of labor the average price of a dozen or more of the principal articles of food has increased 50 per cent in the last ten years.

The price of flour han increased 39 per cent, lard 55 per cent, steak 59 per cent, hams 61 per cent, cornmeal 63 per cent, rib roast 63 per cent, round steak 84 per cent, perk chops 80 per cent, bacon 96 per cent and Irish potatoes 111 per cent.

During these ten years of rising prices Roosevelt and Taft were at the head of the government. Both of them want to be at the head of the govern-

Does any same man believe that if these men in ten years did nothing to retard the rise of prices which are oppressing the people they would do anything in four years? Rather, judging by the past, we should be paying approximately 25 per cent more than do now, or 75 per cent more than we did ten years ago.

JAPANESE SEE INTERIOR.

Morizo Ida, Japanese consul at Portland, with an associate, was here last week gathering information relative to this territory. From here he made trips to Silver Lake, Princville and Laidlaw. The data he gathers is tabulated and kept at the Portland office for the benefit of Japanese business men and others. There are, says Mr. Ida, 1000 Japanese in Portland and about 3000 in Oregon.

NOTICE.

Bend, Ore., Oct. 28, 1912. I have sold my interest and good will in the Central Oregon Brokerage Co. to Ward H. Coble. further interest in the Central Oregon Brokerage Co. and am in no responsible for any of its liabilities.

E. M. LARA.

(Legal Advertisement) Mrs. Stevenson makes a specialty of 25 cent dinners, families especially invited Sundays. Ladies' rest room in connection.

(Advertisement)

DRY LAND FARMING

(Continued from Page Three)

tion of this area these are usually sectional, and in some instances the silt particles in them are so light that they lift more or less with the wind. they may be dissolved and carried In the Inter-mountain region these areas are more pronounced. they cover wide areas, and the same is more or less true of the Big Basin country. In many instances sandy the particles found in silt soils. These solls maintain but little growth while more than any other soils found in yet untilled, hence oftentimes they the west, are flocculated in character, have a barren aspect.

among the best, whether viewed are gathered together into little from the standpoint of production or flocks, as it were, through the action from that of tillage. These soils ea- of lime, which tends to bind them tocrust and compact less readily than gether. Were it not for this binding other soils and they do not lose process, plants would be unable to water so readily by evaporation. live in the soil. season of the year not locked with the particles of the same. frost. They warm more quickly in These soils cover considerable the spring, and are therefore more areas of the far western states, especfavorable to early growth. value, however, is much influenced They are found not only in the valby the degree of the clay which they leys, but also on the higher elevapossess. When too lacking in clay tions. In many instances they are or silt particles, they become leachy. found without intermixture and of

Silt Soils. Silt soils are composed of soil are more or less mixed with the sub-grains that have been deposited main-stances which tend much to modify ly through the action of water. The their character. particles of which they are composed are usually small and fine, much high in the elements of plant food, strong that plants that may germi-smaller and finer than the average especially in the mineral elements of nate on them cannot take up the sand particles and larger than the the same. They have great wearing moisture in the soil, insomuch that particles of clay soils. They are of power, and as a result under fair though they should germinate they varying degrees of fineness, depend- treatment will grow many successive soon perish through lack of moisent on the extent of the reduction of crops without showing any indication ture. It is of two kinds, known as the sand particles which compose of a waning fertility. They are also white and black aikali respectively, them. In some instances they are easily tilled. They do not bake white aikali is largely due to an possessed of much uniformity in tex-readily in the sense in which hard accumulation of common sait, glauture, and this may extend to a great clay soils bake, but they do incrust ber salt and epsom salt. These give

depth. In other instances they are intermixed with gravel more or less coarse and they are not infrequently the surface. In yet other instances these soils are so impregnated with fine clay particles that they lose much of their silty character and assume more the character of a clay If alkali is present these soils marvelous. may assume a gumbo character. True allt soils are relatively rich in the elements of plant food and are very easily tilled, but they frequently lose moisture easily by leaching, and they

are much liable to wash. vial soils, are found to a much greater extent in the valleys that line the time the beds of ancient lakes.

by drought. The author has found may be successfully tilled. came up quite close to the surface which adheres to the wheels. good crops could not be obtained, When the gravels were mixed with with in river basins and in depresssilt, the results were much less harmful, just as the gravel subsolls on they are found in spots of more or ture is also considerably higher in since it makes it impossible to run cloddy when dry. those river basins than on the bench- irrigating waters over them in many es and the rainfall is usually some- instances in a way that will render the difficulty of getting good crops on other land such aid is, of course. from such soils in the absence of irri- impossible. gation.

Volcanic ash soils, as the name implies, are composed of very fine particles resembling ashes in their produce enormous crops when the fineness and in the case with which conditions are all favorable. away by the action of the water. They owe their existence to the action of centuries. The particles which compose them are very fine, finer than which means that the exceedingly In dry areas sandy loam soils are fine particles which compose them Organic matter also be tilled at almost any helps these soils by keeping asunder

Their jally of the Inter-mountain regio much depth. In other instances they

rain, as nearly all soils do that are ises it. It is a mixture of the sul-low in organic matter. This is the phates and chlorides of soda and obstacle to their tillage are, first, the Sagebrush is underlaid with a subsoit of coarse great lack of volcanic ash soils, and magnesia. The most harmful effect difficulty found in handling them, of semi-arid soils in dry areas. It gravel which may come up near to it furnishes one explanation of the from the presence of white alkali is and, second, the burning of the seed is of several types which cannot be carried away by the action of water. germination in the seeds. The adaption of these soils to a great ently supplied with water is simply alkali,

Gumbo soils are soils that are posadhesive to make tiliage impracti- as it is present. In some instances, Silty soils, sometimes called allu-cable, although it may be and is because of the previous nature of the braced as silt is quite considerable, them. They turn up in great chunks which contain it are practically un-The relative value of silt soils de- slaked lime. If worked when wet growth of useful plants. uniform in their composition are tillage virtually impracticable. In tion. usually very rich. This may also be order to till them, advantage must be ted in their growth because of their true of soils that are less uniform in taken of those periods when mois- presence. It is when they are pres composition and texture. As a rule ture is present in that degree which ent in excess that they become inthey are also easily tilled. But they, makes tillago practicable, and when jurious. They are more injurious in in very many instances, allow water it is not present in that degree which seasons which have fairly good spring waters are much liable to be injured the year during which gumbo lands excessive evaporation which follows, it much more difficult to grow good highways in areas where gumbo soils drought. Unwise or excessive irricrops on these soils in dry years than prevail are almost impassible in time gation brings the alkali to the suron the average bench land soil. When of wet weather. Owing to the ad- face, and to the extent in some inthese soils were underlaid by gravel, hesive character of these soils when stances of rendering land unfruitful low the surface, the loss of moisture a vehicle along the highways because was increased. When the gravel of the accumulation of plastic soil accumulate where the land is depres-

moist, in the absence of irrigation. west. They are more commonly met to time, so that in these their pres what less. These conditions add to great service in their tillage. But quently they occur in spots and espe-

> Gumbo soils are rich. They are hence their power usually good. proper mechanical condition, they desirable for tillage. frequently the conditions are not favorable. The moisture in

spring may retard tillage at impossible. It may also hinder the sprouting of grain sown at that season. Under nearly all circumstances the fine pulverisation of the land is difficult

Experience in handling these lands has shown that when they are judiclously worked and cropped they become more tractable, so to speak, Especially is this true when coarse farmyard manure is buried in these soils or when green crops grown on them have been plowed under. When the necessity is imperative for working these soils, the aim should be to grow on them alfalfa as far as this may be practicable. In most seasons this crop succeeds well on them. but in dry seasons it will, of course, grow less well. The roots of the alfalfa tend much to improve the physical condition of these soils when they are broken up.

Alkali Soils Aikali soils are soils in which the Volcanic ash solis are exceedingly solution of certain soluble saits is so

By E. A. WELCH,

Bome

Black alkali is due to the preence of carbonate of soda along with the aforementioned salts. It dissolessed of enough of the elements of vea the vegetable matter in the soil some instances black alkali in solu- need not be questioned. This means alkall to make them adhesive, and and gives it this dark color. It tends tion will not enter the latter. In that where aggebrush is plentiful and yet these elements are not sufficiently to consolidate the soil in proportion such instances it should be changed of vigorous growth, the ability of the cable, although it may be and is because of the previous nature of the considerable quantities of gypsum; be questioned under correct methods usually difficult. These soils may consoil, the black appearance may not that is, of sulphate of lime, which of tillage. The soil constituents and that he precipitation that will produce but they may also contain some sand, may be much carbonate of soda in streams than elsewhere. These val- but they may also contain some sand, may be much carbonate of soda in thus changed, the alkali may be large and abundant sagebrush will leys in western areas are usually They are so adhesive that when dry the subsoil.. When it is present in relatively large, hence the area em- it is exceedingly difficult to plow any considerable quantity, the soils water which is thus carried off in the der proper conditions of tillage. These soils are also found in areas of which it is impossible to pulverise tillable during the dry portions of considerable size that were at one until they are softened by rain, which the year. One-tenth of one per cent acts on them much as it does on un- of black alkali will prevent the Neverthepends largely on their composition. they adhere to the implements of til- less in small amounts the alkalies are True allt soils that are also deep and lage to such an extent as to make quite helpful in promoting vegeta- comes subsequently to that time. It tilled with a certain degree of suc-Plants will be much stimulato pass down through them so easily will result in the baking of the land rains followed by a shortage in the that crops grown on them in dry after it has been worked. This nar-summer rainfall. The salts are thus areas in the absence of irrigating rows very considerably the season of brought into the root sone by the The and the plants then fall because of even some considerable distance be- wet it is almost impossible to drive which previously may have produced the small grains oats have the high- duction of grass is sparse in its chargood crops. Alkali is most liable to sed and where the drainage is not Gumbo soils are not generally good. In humid areas the excess of even in seasons that were reasonably present in extensive areas in the dry these saits is washed out from time ence is not usually harmful. ions on the higher lands, oftentimes classes of alkali tend to destroy the soil texture. They destroy its granubench lands that come up near the less size in areas where the soil is lar condition, causing it to become much depth of soil and subsoil; (2) es. Where the native grasses form surface are much less harmful when easy of tiliage. That they are found impervious to water. They lead to much uniformity in the character of a sod that is reasonably dense on the they are mixed with a goodly sprink- to a greater extent in river basins a plasticity of condition when it is the soil grains in both soil and sub- untilled prairie, the presence of a

> Fortunately alkali soils do not usually cover large areas. More frecially where water collects in low year. In some instances, however, generally speaking unusually rich, considerable bodies of land occur to wear is un- that are more or less impregnated If brought into a with alkali. Such soils are very un-

Because of the difficulty found in But tilling these soils their value is very low for agricultural uses at the presthe ent time, whatever the future may

to white. drains. The second step is to work into the soil from 10 to 20 tons per wood" and "rabbit brush" grow on acre of strawy horse manure in the certain western soils. These indicate summer or early fall, in areas where that alkali salts are present in that much of the precipitation comes in degree that will interfere with abunthe winter, or in the spring when it dant production. Such soils may be tends to prevent evaporation from cens, but not with that degree of suc coming to the surface, makes the soil cess that is to be looked for from the pondingly reduces the tendency to an abundant growth of sagebrush of puddling and baking. It also aids relatively large size in the shrubs. in supplying the young plants with plant food when the alkali soil alone that are very sandy in texture, the would not do it. The third step is vegetation may be very sparse. The to grow such plants as will aid in re- sagebrush that may be growing on moving the alkali and will at the these is dwarfish and the plants are same time give a profitable return. relatively distant. Such growth does Sugar beets will absorb more of the not necessarily indicate any absence salts probably than any other crop, of the mential elemen a of fertility but it may not be easy to secure a in the soil, but rather the strence of stand of the young plants. Among moisture. In those areas the proest adaptation for such soils. Sweet acter, and good crops cannot usually clover may also be used in removing be grown in the absence of irrigation alkali from these soils.

Production as an Index of Soils.

physical and chemical characteris- looked for from the judicious tillage ling of clay. The summer tempera- than in other areas is fortunate, wet, and they cause it to become soil; (3) much power to absorb and sufficient rainfall for the production of sand and clay elements which not be questioned. Where, however, favors easy tillage. The latter include: (1) the large inherent storage sparse and limited, a light rainfall of the elements of plant food; (2) relatively is to looked for. ground at certain seasons of the the elements of plant food held in precise character of the grasses will proper balance, and (3) the absence vary with the soils and the amount lead to what is termed an aikali con- safely assumed that a free growth of vegetation found growing on the soil, of the character of the soil. the reveal. Because of this such lands other of its forms; (2) greasewood normally good, grains may be grown parts of the valley of the Columbia volcanoes in eruption in primeval right season. The lack of moisture should not be chosen for agricultural and rabbit brush in varying degrees there with at least fair success under in the autumn may render tilinge uses until more is known as to how of vigor and pleutifulness; (3) sparse proper methods of tilinge.

on the surface more or less after it the white color which character- they may be handled. They are us- vegetation, and (4) the presence

Sagebrush is essentially a product ease with which they are guilled and that it retards or entirely prevents or crop that may be sown on them. dwelt upon in a work of this nature The removal of alkall when present It would seem correct to say, howcrops, however, will stand as much in excess is seldom an easy proposi- ever, that the character of the sage variety of production when suffici- as one-tenth of one per cent of white tion and in some instances it is not brush is a measure of the fertility of practicable. The first step in re- semi-arid soils. Where the brush is moving it is to supply thorough and abundant and of large growth, the complete drainage either through the ability of the soil to produce well agency of open or of tile drains. In under proper conditions of tillage This is done by adding soil to produce abundantly need not washed down and out in the drainage also produce large crops of grain un-

Plants popularly known as "grease more open and porous, and correstillage of solls that are covered with

In other areas, especially those

The grazzes which nature produces on the bench lands of the west are If a soil is to produce well in dry one of the surest indications of the areas it must be possessed of certain possible production that may be The former include: (1) of the lands that produce those grasshold moisture, and (4) that blending of good crops in a normal season need in excess of such elements as may of the precipitation, but it may be dition of the soil. In the absence of grasses cannot be maintained in the physical examination much may be absence of at least a reasonable determined by the character of the amount of precipitation, regardless Such vegetation includes: (1) the be taken for granted, therefore, that growth of sagebrush in one or the where the growth of native grasses is

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Oreg. Investment Co.

Wall Street, Bend, Oregon

INITIATIVE FREIGHT RATE BILL.

The initiative freight rate bill. No. 358, vote yes, on the ballot is a non-partisan, people's measure. It is in the interest of the producer, the manufacturer, the consumer, and fair to the carrier.

The principle and method of rate making provided by the bill is endorsed by the interstate commerce commission, the foremost expert rate making tribunal of the world.

The exactment and enforcement of the bill will stimulate all industrial and commercial development in

Oregon, reduce the price of transportation to the consumer, who ultimately pay all freight bills.

The bill will not cancel a single commodity rate which is less than the rates fixed by the bill. It does not take any authority from the railroad commissioner in the making of minimum rates, nor does it open a way for the railroads to advance special or commodity rates, or any class rates. The seed of passing and enforcing the provisions of this bill are seen in the following conditions and

ONLY 5 CENTS OF EVERY DOLLAR SPENT BY THE OREGON CONSUMER FOR MANUFACTURED COMMODITIES IS FOR OREGON MADE GOODS. 95 cents of every dollar so spent goes out of the state for goods manufactured in other states. Under this system which is caused by the present freight tariffs the wealth of the state is being needlessly depleted.

Under the stimulus of manufacturing Illinois increased in the 1910 decade over 800,000 inhabitants which

is practically 200,000 more than the entire population of Oregon. Illinois towns under 10,000 inhabitants manufactured \$4 to \$1 manufacture; for the whole state of Oregon.

50 cents will buy 500 miles of first class freight transportation under the Illinois rate schedule, and only

66 miles under the Oregon rate schodule. The Oregon dollar is worth only 20 cents as compared with the Illinois dellar.

The leading railroads of Illinois earn about \$3,000 net per mile of road: Nebraska roads earn about \$1,500 per mile, while some of the Oreg n roads earn \$5,000 net per mile of road.

From 1905 to 1910 the O. R. & N. Co. paid \$109 per share on stock of par value of \$100, returning to the

stockholder the full value of the stock and \$9 to boot per share. In 1908 this road paid 79 per cent on its stock. In 1910 it paid 15 per cent on its common stock and 17 per cent on its preferred stock.

The Southern Pacific Company is capitalized at over 596 millions of dollars. Its only tangible property is 11.3 miles of railroad in California worth probably less than \$250,000. Its earning right is on the 11.8 miles

of read, or about \$12,000 yearly. And yet this company is paying dividends yearly in excess of \$17,000,000, and together with interest on its bonds, about \$21,000,000 yearly. Every dollar so paid in excess of its earning rights as the 11.8 miles of road is fliched from the people, therefore obsery.

The people are the power. It is for you to say whether you will lenger tolerate these conditions. A sole yes for the initiative freight bill is a vote for better transportation charges and the upbuilding and bless-

ing to the whole state of Oregon. The bill does not favor any one; it does not discriminate against any one.

This is a state measure and cannot affect interstate business.

If you want to build up your community, vote for this bill and secure a square deal in freight rates.

OREGON EQUITABLE RATE LEAGUE.

A STANSON OF THE PARTY OF THE P