REGON STATE ITEMS OF INTEREST

N BIG FRUIT WAREHOUSE

rs Got Architect's Drawingt-Soon Start Work

-Plans for the new warehouse id storage plant to be crected by ceived from the architect, F. E. ns are being made to begin work. adding will have 18-foot walls, full basement. The second story used as a box factory and for purposes. Half of the basement used for cold storage, the resiting shipment.

end. The building will be 40 de and 100 feet long, with freight as at each end. 'It will have a y of handling \$500,000 worth of ring a season

S \$25,000 FOR ORCHARD

C. Page, of Medford, Buys 258 cres in Ashland District.

and - The papers have been Ashland in what it is believed at ashight in what it is benum-biggest orchard sale yet consum-in the history of the Rogus alley. The property involved orchard and farm of County stoner Joshua Patterson, locatalent precinct, four miles north rer was the acreage involved in 1, 130 acres being young orchard and five-year-old apple trees in andition, the remainder being ands suitable for fruitgrowing, planted to trees. The considerthe deal was \$52,000.

Set Out Many Grapes.

ts Pass-One of the largest shipof Tokay grape cuttings was un-at the depot this week that has an received in one lot in South-One hundred thousand egon. were consigned to W. B. Sherthe is setting out 80 acres in the is just outside of the city limits king town. Several other conats of small amounts have been ated to various other fruit growrowers feel jubilant over the for grapes and are hustling to I rooted vines to plant and in stances Willamette valley nurshave been unable to fill more alf the orders.

Cuts Freight Rates.

-The Oregon Railroad comhas rendered its decision in the N. distributive rate case, ora reduction in rates between ad and points east of The Dalles. eduction amounts to 3 cents a d on first-class freight to Biggs. to Arlington, 13 cents to Pen-18 cents to La Grande and Baty, and 19 cents to Huntington, portionate reductions to other and on other classes of freight. to The Dalle are already low , owing to water competition. commissioners concurred in

ar Speep With Machinery

ngton-Sheep-shearing will begin the & Smith's plant, five miles of here, this week. Sixteen by machines will be used, the leing furnished by a six horse Resultie engine. Forty thoueep will be sheared at this plant sen, and an average of 2,000 aily is expected. Sheepmen re-hat the sheep are in good condiut that pasture is getting scarce. as been one of the most successbut few dittig :

WEATHER CONDITIONS FAVOR

Fruit in Willamette Valley Promises to Do Unusually Well.

Balem-Climatic conditions during the past winter have been exceptionably favorable for all farm crops and the present fair weather is considered ideal for fruit. The cold spring has kept the fruit trees back, thus protect-ing them to a large extent from danger of injury from frists and late rains. Growers expect fair weather through the blossoming period and with such conditions prevailing a full crop of fruit will "net.

Applea in the Willamette valley were plans are now to construct the a short crop last season and with even a of concrete. Large shipping fair conditions this year the trees should no will surround it on two sides bear an immense crop. Cherry, pear bear an immense crop. Cherry, pear and prune trees are apparently in perfect condition and there seems to be no reason why a bumper crop abould not be realized. The high prices secured in recent years for fruit has encouraged the growers to do more extensive pruning and spraying that ever before, with the result that the quality of fruit harvested will be exceptionally good. The coming of fair weather has set the plows going in all orchards and cultivation will this year be unusually thorough.

The Dalles to Have Float.

The Dalles-At a meeting of the com-mercial club it was decided that this city shall be represented at the rose show in Portland by a float to be de signed and constructed by J. W. Har-per, of Portland. A committee has made a canvase of the business houses and obtained \$600, with the promise of an additional \$100. The float will be decorated with the products of this vicinity and will be one of the features of the spirit of the Golden West parade.

Seeking Coal Near Dallas

Dallas-Hon. W. C. Brown will be-gin the work of drilling for coal on his property in the northern part of this city within a few days. Several good specimens of lignite coal have been found in recent excavations, and the contour of the land at that place indicates the presence of a large deposit. Mr. Brown is convinced that the project will pay, and will lose no time in making the preliminary excavations for sinking a shaft.

Big Batch of steelhead Eggs.

Oregon City-Superintendent Henry O'Malley, of the United States bureau of fisheries, reports that prospects are good for a take of 2,000,000 steelhead eggs at the Rogne river station, which he has just inspected. Superintendent O'Malley has just received 100,000 Rainbow trout eggs from the govern-ment station at Baird, Cal., and these will be hatched and liberated from Clackamas station.

Baking Powder Plant at Portland

Portland-Portland is to be made the manufacenting and distributing point Office, Washington, D. C .: for the Northwestern territory of the Hant's Perfect Baking Powder com-pany, of Minneapolis. The plant will be built during the summer. William C. Rigg, of Minneapolis, vice president of the company, is at the Hotel Port-land, and is making all arrangements to locate a branch of the concern here.

PORTLAND MARKETS.

Wheat-Club, 83@84c; bluestem, \$5@86c; valley, 83@84c; red, 81@82c. Barley-Féed, \$26 per ton; rolled, 286330 per ton.

Oats-No. 1 white, \$27(628 per ton. Corn - Whole, \$33.50; cracked, \$34.50.

Hay-Valley timothy, No. 1, \$17 per

PORTLAND CEMENT.

Ingredients Necessary in the Manufacture of This Product. By J. Shirley Jones, Chemist, Idaho Experiment Station, Moscow,

From time to time the members of the experiment station staff are asked for information concerning the properties, composition, and methods of man-ufacture of Portland cement. These These inquiries are usually answered by the station chemist. Below is given a typi-cal letter of inquiry on this subject, and following it is the reply given by the station chemist. Weiser, Ida., Feb. 26, 1908.

I would like to know the ingredient and process of making Portland cement. Is the body of clay or soapstone? I think I have the raw material. Please answer and oblige.—A. W. A great deal of time and labor have

been spent by various chemists in in-vestigating the composition and prop-erties of Portland cement. The con-clusions drawn from these investigations are not alway concordant, but no one dissents from the view that the essential ingredients of this kind of ceessential ingredients of this kind of ce-ment are lime, silica and alumina. Other elements are always present, however, among them being magnesia, soda, potash, iron, phosphorus, man-ganese, titanium, etc. According to Meade, good cements vary considerably in composition, but the three import-ant ingredienst will run about as fol-lows: Lime, 58 to 67 per cent; silica, 19 to 25 per cent; alumina, 5 to 10 per 19 to 25 per cent; alumina, 5 to 10 per cent; and magnesia is allowable to the extent of 3 to 5 per cent.

The raw materials from which Portland cement is manufactured are classified as argiliaceous and calcareous. Some common forms of the first are ciny, shale, and slate, and of the latter limestone, mari and chaik. In these two classes of raw materials are found all the ingredients necessary in the manufacture of Portland cement. In the iron regions of Pennsylvania, however, blast furnace slag is made to re-place the clay or shale. From whatever source the raw materials are obtained, the cement manufacturer mus see that they are so mixed that the product of calcination contains the important compounds mentioned above in the proportions that experience has taught are the ones necessary in a good cement. It becomes almost imperative then that the chemical composition of the raw materials should be known.

Although the writer is not personally acquainted with the limestone regions of this state, it appears that there are at least two localities in Northern Idaho where limestone is found in abundance, and since clay is also present, at least in spots, in the same district, there seems to be good reason for believing that in the future a great deal of the Portland cement used in this state will be made at home.

Of Interest to Farmers,

The following publications of interest to farmers and others have been issued by the Agricultural department of the Federal government and will be furn-ished free, so long as they are available, except where otherwise noted, upon application to the Superintendent of Documents, Government Printing

Bulletin No. 100 .- Report of Irrigation Investigations in California, under the direction of Elwood Mead, expert in charge. Pp. 411, pls. 29, figs. 16. Price, paper, 90 cents; cloth, \$1.25. This report deals with investigation carried on during the summer of 1900 in cooperation with the California Water and Forest Association. In adwater and Forest Association. In ad-dition to a review of the agricultural situation in the state, it presents a comprehensive discussion of the water laws and customs under which irrigation is practiced in California as typified by the conditions in Honey Lake basin and on Yuba river, Cache creek, river, Los Angeles river, Sweetwater river and San Jacinto river. It de-

DOINGS OF THE SIXTIETH CONGRESS

Monday, April 6

Washington, April 6 .- The army bill, arrying an appropriation of almost \$100,000,000, was passed by the senate oday practically as reported from the committee on military affairs. The only amendment adopted carried an ap-propriation of \$20,000 for a system of water works for Fort William Henry Harrison, Montana. The bill materialy increases the pay of officers and enlisted men.

The fortifications bill, reported to the senate today, carries Senator Ankeny's amendment, increasing the appropriation for fortifications on Puget sound \$1,000 000. As the bill passed the house, it appropriated \$747,000 for this work. The appropriation is not item-ized. The senate today passed An-keny's bill, appropriating \$220,000 for a public building at Walla Walla.

Washington, April 6.—Beyond forc-ing roll call on the approval of the journal and on adjournment, the Democrrats of the house today offered no obstruct on to the orderly transaction of business. This being suspension day, several important bills were put through by practically unanimous vote. Among these was the Sterling employers' liability bill, only one vote being recorded against it, that of Littlefield, of Maine, and the bill establishing a of stathe, and the bill establishing a naval station at Pearl Harbor, Hawali, and appropriating \$650,000 for the purpose, against which Sherwood, of Ohio, stood alone.

At 5:10 p. m. the house took a recess until 11 30 o'clock tomorrow morning.

Saturday, April 4.

Washington, April 4 .-- The army appropriation bill was completed by the senate committee on military affairs today and will be reported to the sen-ste on Monday. It will carry about \$15,000,000 more than was provided in the bill as it passed the house, making a total of approximately \$100,000,000. An item of about \$7,000,000 was included to increase the pay of the army, revenue cutter service and marine corps, but excluding enlisted men of the navy, in accordance with the pro-vision of the bill which was passed by the senate.

Washington, April 4.-By adopting sweeping cloture rule in the house today, the Republicans left to the Democrats very limited powers. No longer can a filibuster be conducted against sending to conference bills with senate amendments; no longer can a motion to close debate be amended or discussed, and no longer can a motion to adjourn take precedence over a motion to take a recess

Williams forced a rollcall on the adption of the rule, and it was adopted, 138 to 119.

Consideration of the District of Co-lumbia appropriation bill was then re-sumed, but only after another rollcall.

Friday, April 3.

Washington, April 3.-The senate committee on judiciary spent some hours considering the various bills intended to relieve prohibitoin states from Federal interference in dealing with liquor traffic within the borders of such states, but no agreement was reached. It was determined, however, to vote on the measures on Monday.

From the discussion today there appeared to be a chance for the reporting of some measure dealing with a part of the questions, at least, that have been agitated in a number of Southern states, which have been prevented by Supreme court rulings from exercising Salinas river, San Jeaquin river, Kings their police powers for the control of intoxicants.

> Washington, April 3 .- When today, the breach between the majority

and minority parties was, if anything,

wider than ever. The leaders on both sides arrived on the scene early, appar-

ently none the worse for the parliamen-

tary struggle of the night before. The

Democrats resumed dilatory tactics and

kept it up throughout the day, notwith-

standing the committee on rules applying the gag law to general debate on the District of Columbia appropriation

bill, which was in order for considera-tion. The rule was adopted amid up-

roar and after the Democrats has ex

hausted every parliamentary move which they could make to obstruct its

Thursday, April 2.

session of the senate today was largely consumed by discussion, without pas-sage of a bill to reorganize the public

school system in the District of Colum-

bia by placing it under the control of a

director appointed by the national commissioner of education, superseding the control by the board of education com-

The bill relating to the settlement of

claims of states on account of the dis-

position of public land was again taken

up and the Bacon amendment for set-

tling the accounts of owners of cotton

seized by the government during the

Civil war, amounting to \$5,000,000,

was considered, but without results

posed of citizens of the District.

Washington, April 2 .- The executive

final disposition.

Washington, April 2.-Carrying a total of \$11,508,806, the agricultural appropriation bill was passed by the house late today. It had been under discussion for nine days and from the time its consideration began until the veyr end its provisions were attacked at every turn, with the result that it underwent many changes. Just before its parange, Scott, of Kansas, chairman of the agricultural committee, made an unsuccessful fight to have stricken out the amendment adopted yesterday conaiderably increasing the appropriation for soil investigations. During the debate today a brief flurry

was created by Harrison, of New York, Democrat, characterizing as socialistic the bill of the minority leader, Williams, providing for the utilization of the treasury surplus in the construction and improvement of roads in the several states.

Wednesday, April 1.

Washington, April 1.—Senator Hey-burn's three-day fillbuster to defeat Representative Jones' bill authorizing the Benton Water company to dam Snake river at Three-Mile rapids ended in utter rout this afternoon, the senate turning him down by a vote of 47 to 4. The passage of this bill and the consideration of a measure for adjudicating the claims of states against the govern-ment on account of the disposition of the proceeds of public lands occupied nearly the entire session of the senate

today. Washington, April 1 .-- Debate on the agricultural appropriation bill was devoid of the charges and imputations which marked its consideration on Monday and Tuesday. More progress was made with the measure than on any previous day, and the indications are that it will finally get through toworrom

Today's discussion dwelt on a propo-Today's discussion dwelt on a propo-sition for an increased appropriation for the farmers' bulletins, which, however, was refused, and the subject of inquir-ies into road-building, etc., by the de-partment, the trend of opinion being that such work should be encouraged.

Tuesday, March 31.

Washington, March 31 .- The alleged tendency of the general government to override the powers of the states of the Union and to ignore the restrictions of the constitution was the subject of remarks by Teller, of Colorado, in the senate today. He declared that there had grown up a practice of attempting to justify any act by the Federal author-ities, whether there was authority for t or not, so long as it was ascribed ito the public interest.

The remainder of the day was devoted to discussion of the Benton dam bill on its merits. Heyburn and Borah, both of Idaho, took opposing sides. Heyburn opposing and Borah favoring. Heyburn declared he would maintain his position, even if satisfied that by so doing he would imperil his seat in the senate. No vote had been reached when the senate adjourned.

Washington, March 31 .- After having undergone many changes, the paragraph of the agricultural appropriation bill relating to the bureau of forestry was finally passed by the house of representatives.

An amendment by Humphreys, of Wisconsin, to increase by \$163,460 the apppropriation for soil investigations provoked a long debate. After many five-minute speeches had been made for and against the proposition, it was carried, 100 to 88.

The bill was laid aside less than half and

being lost from any cause.

To Examine Soils.

math Falls-Through the joint of the Klamath Water Users' tion and the Klamath chamber nerve, and the personal requests tens of this section, a soil survey argently desired by the people he survey be made this summer, surances have been received from try Wilson that it will be under-as soon as possible.

B Dalles Makes Good Brick.

Dalles-Mr. Litherland, a Porttick expert, whose opinion was by the architect of the city hall, process of construction, regard-tick lately burned here by The Brick & Tile company, has made It after a careful examination and the brick equal to any made in late. Some of the casing brick red in this city by mistake had the examination. ected by the architect, which

Seek for Oll.

Dalles-Articles of incoropration "Beavis-May Oil company" have lied with the county clerk here. corporators are George R. Beavis, May and Dr. Harry F. McKay. apital stock is \$30,000. The comFruits-Apples, \$1@3.50 per box,

according to quality; cranberries, \$808 11 per barrel.

Vegetables-Artichokes, 75@90c per dozen ; asparagus, 8@10c pound ; beans, Klamath basin will be made by 20e pound; cabbage, 136 62134 e pound; sof soil experts of the United cauliflower, \$2; celery, \$4.50(65 per Department of Agriculture. It is crate; paraley, 25c per dozen; peas, 15c pound; peppers, 20e per pound; rad-ishes, 30c per dozen; thubarb, \$2.50 per crate; spinach, 85c crate: sprouts, 10c per pound, squash, 1@1%c pound. Onions-Oregons. \$4@4.25 per hun-

dred. Potatoes-50@60c per hundred, delivered Portland.

Butter-Fancy creamery, 25(2)30c per pound

Poultry-Average old hens, 14@15c spring chickens, 16@20c; turkeys, live, 15@17c; dressed, choice, 16@20c; genes, live, 8@10c; ducks, 16@17c; pigeons, 75c@\$1; squabs, \$1.50@2. Eggs-Fresh ranch, 16e per dozen. Veal-75 to 125 pounds, 8@9c; 125 to 150 pounds, 7c; 150 to 200 pounds, 5@6%c.

Pork-Block, 75 to 150 pounds, 7@

7%; packers, 5@6%c. Hops-1907, prime and choice, 4@5c per pound; olds, 1@1%c per pound. Wool-Eastern Oregon, average best, 12@16c per pound, according to shrinkpurposes to engage in developing age; valley, 16@1%c, according to qual-des in the vicinity of Dufur, Or., ity; mohair, choice, 25c per pound. ich place the head office is to be. Cascara Bark-30 per pound.

ton; Eastern Oregon timothy, \$19@20; scribes the methods and means by clover, \$14@15; cheat, \$15; grain hay, \$14@15; alfalfs, \$12@13. streams and used for irrigation and the streams and used for irrigation and the indefinite and excessive appropriations of water and the resulting litigation, and discusses the evils resulting from absence of state control of streams.

Bulletin No. 105 .- Irrigation in the United States. Testimony of Elwood Mead, irrigation expert in charge, be-fore the United States Industrial commission, June 11 and 12, 1901. Pp. 47, pls. 12, fig. 1. Price 15 cents. The statement made before the Industrial commission deals chiefly with the legal status of irrigation, touching on state control, national aid to irrigation, and the disposal of the public grazing lands. The necessity and possibility of storage are also discussed.

Bulletin No. 133 .- Report of Irrigation Investigations for 1902, under the per pound; mixed chickens, 12(@13c; direction of Elwood Mead, chief of irrigation investigation, office of experi-ment stations. Pp. 266, pls. 12, figs. 16. Price 25 cents. This bulletin gives the result of the fourth season's investigations of the problems of irri-gation, the results obtained in similar investigations in previous years being reported in Bulletins S6, 104 and 119, of this office noted above.

Canned Pumpkin.

Poel the pumpkin, cut into places and cover with boiling water. Stew until very tender, then rub through a colander. Return to the fire, bring to a hard boll, sweeten to taste and, while bolling. fill the overflowing hot jars and was considered, but without result either on the bill or the amendment.

house of representatives adjourned late

Mexico Is Angry.

Washington, April 7 .- While the official relations between the United States and Mexico were never more cordial than now, and while there is nothing in the material interests or desires of either republic which conflicts in the slightest degree with the others, offi-cials of the American State department have become suddenly aware of the existence and rapid growth of a public sentiment in Mexico of distrust and suspicion of Americans and the American's intentions respecting Mexican territory. This condition is made more exasperating but none the less harmless and embarrassing from the fact that it is entirely groundless in fact, and the officials declare has for its basis nothing but irresponsible newspaper gossip and criticism.

Leech is Public Printer,

Washington, April 7. - John S. . eech, of Illinois, now public printer in the Philippines, was today appoint-ed public printer. Mr. Leech is a legal resident of Bioomington, III., although

he served respectively as compositor, proof readers and foreman in the gov-ernment printing office here from 1889 to 1901, at which time he was selected as public printer for the Philippines. He has made for himself a most enviable record as an administrative officer there, according to reports in the possession of the insular bureau.
