SUGAR BEET PULP.

one of the Fentures Which Recommend the Sugar Beet Industry. Among points about feeding beet pulp which a Nebraska cattle man de-

ermined by experiment were: First.-That the cattle would eat as such as 100 pounds of pulp a day. Second.-That they eat pulp with vident satisfaction and great relish.

Third.—That they consume very little er no water at all while eating pulp. Other points of which he feels satisred in his own mind but has not clearly demonstrated are that the use of ulp will effect a valuable saving of

ther foods, both hay and grain. In years of drought, when foodstuffs re very high, the saving will be a very aluable one. Pulp is bulky and costly transport and expensive to handle. 'he charges, however, cut no figure vith farmers delivering beets to a faca load of pulp to their farm.

Pulp, he further says, can be kept less described, for it generally consists very easily indeed, as it becomes extremely compact and sours or ferments slightly. A large pile can even be left sut of doors in very cold weather, and while a crust eight or ten inches will reeze on the outside the inside will remain in good condition.

All pulp should properly be fed in a parn where it cannot freeze and with other foods. During the earlier part of the feeding period, for instance, for three or four months out of six, it may e fed largely with a comparatively small feed of grain, although hay hould always be fed with it. Toward the end of the feeding period the proportion of grain should be gradually increased and that of the pulp diminished for finishing the cattle for market.

He attaches the greatest possible importance in value to the use of beet oulp in beef production and does not loubt it will prove equally valuable in the dairy industry. Its value in feeding animals is one of the reasons why the production of sugar itself may and a firmer and more profitable locat'on where dairy or beef animals are fed than in other sections where there are not so many animals to feed.

Another Nebraska stockman gives his experience thus:

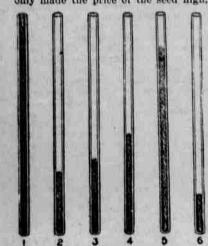
I fed 300 3 and 4 year old western steers in 1891, the first year our factoty opened. Of course I had no experience in feeding pulp, but I soon found that cattle were very fond of it. I think they will leave any other food known and eat it. As to the fattening quality, of course when fed alone it is almost valueless, though I believe stock would winter on it. Mixed with a cut feed of lay or straw or cornstalks on which ornmeal, bran or some other grain food is placed, it makes a ration which fattens very rapidly. By feeding the usual amount of meal with 75 to 100 pounds of this pulp per day per steer he fattening period will be shortened at least 30 days. In other words, you an get as good results in four months th pulp as you could in five without

I think steers will eat as much grain od per day or more with the pulp ban they will without it. It is a great 'conditioner" and appetizer, and we and the older it is the better the results. It will keep a number of years a proper sanitary condition. ground. It will turn black and spoil as far as the air goes through, which is from eight to ten inches. It will resluce in bulk fully one-half and grow as much richer. There are a number of big sheep and cattle feeders here, all of whom use it more or less. If anything, it is better for sheep than cattle.

How to Grow Watermelons.

This is the way an Iowa correspondent of Farm, Field and Fireside would grow watermelous: Select a rich loam -sandy loam is best-and dig holes six feet each way or in one long row and put a shovel of well rotted manure in each hill, covering with two luches of dirt. Plant about a dozen seeds in each hill, covering one inch deep. Plant from the 5th to the 10th of May. Soon after planting these, say five or six days, plant a hill between each two of the first ones. These will come up about the time the bugs show up gensrally, and they will not touch the first vines, but will destroy the second planting. Should the bugs come early and attack the first vines they are all gone before the others are up.

Brome Grass Seed. Beardless brome grass has come into great favor in the west. This has not



HEARDLESS BROME GRASS (BROMUS INERMIS). One pound of seed as bought.
 Pure seed.
 Chaff and dirt.
 Spurious seeds.
 Total waste.
 Pure and germinable seed.

but has led to the sale of chaffy and adulterated seed. A. J. Pieterr, expert on pure seed, reports that the standard weight is 14 pounds per bushel, and most seedmen quote prices either "per 100 pounds" or "per bushel of 14

good seed and waste in one pound of a he had lost it entirely. A four days' ed more than 40 per cent of chess and less than 16 per cent of the total could be used, the balance being waste.



PLAN OF A HOGHOUSE.

Points of a House In General Use In Maryland.

The plan of a hoghouse in use at the Maryland station is given by Director Patterson in a recent bulletin with the following explanations:

Most of the plans for hoghouses recorded in literature on this subject refer to those made farther north or west where the climate is more severe than in this latitude. This is due, no doubt, to two causes-first, that the hoghouse of the south has seldom materialized, ory, who can as well as not take back at least to such a point as to be worthy of being dignified as a house or much



HOGHOUSE (FRONT VIEW).

of a brushy marsh for summer and a square made of a few old fence rails with some pine brush or corn fodder thrown over the top for winter.

The hoghouse of the north may suit that latitude, but no doubt could be improved upon for that section, and it certainly has many objections for the south, generally the greatest objection being the cost. There is one point that is commonly lost sight of in hog growing, and that is that he is an animal to which the sunshine is just as essential as it is to the corn plant. Neither pork nor corn can be successfully produced without plenty of sunshine. In the north this sunshine in winter will have to be brought into the pen through glass. In this latitude and farther Oregon Homeseekers south, under normal conditions, it is only necessary to face the pen to the south, allow the sun's rays to reach the back of the pen on the beds and give good shelter and protection from north and west winds.

The accompanying view, floor plan and end elevation give almost a complete idea of the pen in use here which has met with very general favor. It may be well, however, to enumerate a

few special points in the construction. First.-It is faced to the south to permit the rays of the sun to shine upon the beds of the pigs at the extreme rear end of the pen in the winter season and also to give shade in that portion In summer.

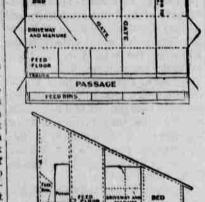
Second.-Lattice construction between the pens at the ends and rear admits of a free circulation of air in warm weather.

Third.-The location of the manure pit in the center and below the level of the sleeping and feeding floors with all drainage toward it aids in maintaining

Fourth.-Ease with which manure

can be removed. Fifth.—Swinging gates close the pigs into their beds while the manure is

being loaded. Sixth.-Swinging fronts to the pens permit the food to be easily placed in



FLOOR PLAN AND END ELEVATION. the trough and evenly distributed so that the pigs have an equal chance at feeding time.

Seventh.-The manure pit is concreted, which enables the saving of all liqonly made the price of the seed high, uid manure excrements, which with the pig amounts to 51 per cent of all the manure value.

Eighth.-Ease of changing pigs from

pen to pen. Ninth.-Feed bins are placed in front of each pen, which facilitates feeding and enables keeping different feeds for each pen if desired.

Brome Grass Without Irrigation. A man up in the Divide country has had very good success with Bromus inermis without irrigation, says the Denver Field and Farm. The seed was sown on upland soil where buffalo grass had formerly been. It was 228 feet to water and had been under cultivation for 11 years. The soil is a loam, with a yellowish loam subsoil. There is no alkali present. It is what would be termed a medium light soil, It was plowed 10 to 12 inches deep and then disked and harrowed until like a garden bed. The condition at time of planting was good, but not dry. The seed was sown in May, probably about the middle of the month, and plants appeared above ground about the last of the month, giving a good amas station. All clear. Good soil. stand. The weeds were cut the last of \$50 per acre. Inquire of owners, the last of the month, giving a good July. During a dry spell of five weeks The figure illustrates the amount of between Aug. I and Sept. 6 he thought mmercial sample. This seed contain- storm in September gave it a start and resulted in a splendid stand. He be-

MARKET REPORTS.

PORTLAND. (Corrected on Thursday.) Flour-Best \$3.10@3.35; graham

Wheat-Walla Walla 55@56c; valley

55c@56; bluestem 59c. Oats-White 36@37c; gray 33 @ 34c. Barley-Feed \$14; brewing \$17 18. Millstuffs-Bran \$12; middlings \$19; horts \$15; chop \$14.

Hay-Timothy \$9@11; clover, 7@8; Oregon wild \$7.

Butter-Fancy creamery 30 and 35c; store, 22 and 25.

Eggs-18 and 18%c. Poultry-Mixed chickens \$3.00@4.50; hens \$4.00@5; springs \$2@3 25; geese, \$5@6; ducks \$5@7; live turkeys 12%@ 1316c; dressed, 14@16c.

Chesse-Full cream 121/2c per pound; Young America 14c.

Potatoes—50 and 79 cents per sack. Vegetables—Beets \$1; turnips 90c per sack; garlic 7c per lb; cabbage \$1.50 @2.00 per 100 pounds; cauliflower 75c per dozen; parsnips 75c per sack; celery 70@75c per dozen; asparagus 6@7c; peas 3@4c per pound.

Dried fruit-Apples evaporated 7@8; sun-dried sacks or boxes 4@5c; pears sun and evaporated 5@6c; pitless plums 4@51/2c; Italian prunes 3@5c; extra 8.lver choice 5@6.

OREGON CITY. [Corrected on Thursday.] Wheat, wagon, 50.

Oats, 32. Potatoes, 50 and 60 cents per sack. Eggs, 18 1-2c per dozen.

Butter, 25c per roll. Onions, red, 85c to \$1 00 per sack; yellow, \$1 to \$1.25.

Dried apples, 5 to 6c per pound. Dried prunes-Italians, 4c; petite and German, 3c.

FOR SALE

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E. E. CHARMAN, President ELMER DIXON, 1st Vice-President O. WISSINGER, 2d Vice-President O. W. EASTHAM, Secretary

\$4,000 NO. 25

90 acres cultivated; good 7-room hone, barn and other buildings; fenced; living water; orchard. To Hubbard, 8 m!les

26 acres cultivated; all nuder fence To Canby, 1½ miles.

12 acres cultivated; 16 acres slashed house, barn and other buildings; all fenced; living, water; orchard. To Macksburg, 1½ miles; to Canby, 6 miles

5,200 No. 20
130 acres
All cultivated; fine 10-room house, barns
and numerous other buildings. To Barlow, 1 mile; to Aurora, 1 mile. Orchard
running water and everything to make
a fine home

A good stock ranch. To Canby, 12 miles; to postoffice, 1 mile \$4,500 No. 30

ready for the plow; good house, barn and other buildings; orchard; numerous springs, and is all under fence \$2,500 No. 31 80 acres 320 acres 100 acres cultivated; 100 acres nearly 100 acres play play; good house, barn

80 acres
All cultivated; house, barn and other buildings; all fenced; living water; store and postoffice adjoining. To Oregon City, 14 miles. 5 acre orchard
\$1,3:0 No, 32
80 acres
20 acres slashed; all fenced; running water. To Macksburg, 1 mile; to Canby, 6 miles
\$400 No, 33
40 acres

All easily put in cultivation; good springs. To postoffice, ¼ mile; to Ore-gon City, 12 miles No. 34

40 acres cultivated; house, barn and other buildings; all fenced; good or chard. To Molalia, 3 miles; to Hubbard,

0.35 Tract in Canemah, 10½ acres; 10 min utes' walk to Oregon City; springs or place, and 50 years' franchise to fur nish water for Canemah. Water supply will earn \$50 per month. Good hous and orchard.

\$150 1-acre tract Ten minutes' walk from West Oregon

\$100 Good lot in Gladstone On motor line; fare to Oregon City, 256

14 acres cultivated; good small house barn and our buildings; 5-acre orchard living water. To store, 1 mile; to Ore \$4,000 No. 37

240 acres
50 acres cultivated; six-room house;
good barn and other buildings; running
water; orehard of mixed fruit trees
To store, 1 mile; to Oregon City, 12 \$1,600 No. 38

\$1,000 No. so
120 acres
50 acres cultivated; good orchard
feuced; running water. To store,
mile; to Oregon City, 12 miles
\$1,000 No. 39

60 acres cultivated; small house and tarn; young orchard; running water. To store, 2 miles; to Oregon City, 12

The above is property of the members of the Oregon Homeseekers Immigration Exchange, organized on the co-operative plan for the purpose of marketing real property. Membership is open to those having real estate for sale.

For particulars, address

OREGON HOMESEEKERS

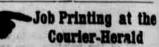
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MANUT BANKING HOUSE IN THE CETT PAID UP CAPITAL, \$80,000.00

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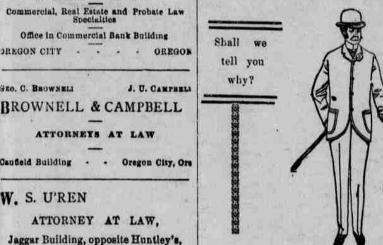
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Springwater Blacksmith...

Wm. Whittington has opena general blacksmithing, repairing and wood working

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The Celebrated Stallion, will make the season of 1900 at the following places:
At home in Beaver Creek on Monday,
Tuesday & Thursdays; at Young's stable

in Oregon City, Friday of each week. HENRY HUGHES, Owner and Manager.

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A PERFECT BATH ROOM ssential to perfect comfort and health. Our estimates on putting in Plumbing Work and fittings for large and small houses will be found surpassingly low when quality of work and material used is cor sidered.

We would be pleased to have an opportunity to submit figures.

F. C. GADKE

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\$2000 120 acres, 32 in cult., good buildings \$1800 80 seres, 20 imp., good road \$ 200 10 acres cordwood timber, level \$2000 165 acres, 10 imp., bal. timber, on Wil, rive \$1560 62 acres, part imp., good buildings \$ 30 per acre, 390 acres timber on Wil. river \$2000 120 acres, 45 imp., ordinary buildings \$1000 71 acres, imp., near church and school 1134 acres in City, fine home, part trade 200 120 acre homestead, buildings

In the county court of the state of Oregon for the county of Clackamas

In the matter of the estate of FREDERICK A. KLINGLER,

W. SMITH, the duly appointed acting and qualified administrator of the estate of Frederick A. Klingier, deceased having filed his petition in the above entitled court praying for an order of sale of the following described real property belonging to said estate,

By public surveys in claim No. 40, in township 4 south, range 2 cast, and in claim No. 46, in town-ship 4 south, range 1 cast, beginning at a point in the north boundary line of section 24, for the reentrant corner, in the north boundary line of said claim No. 45; thence north tracing claim line 20,30 chains to the northwest corner of said claim No. 46; thence east tracing the north boundary 20 chains; thence north 5.25 chains; thence east 4.21 chains to the division corner between the original claims of husband and wife; thence south tracing said division line 22,71 chains to the line of a wagon road; thence south \$4 degrees west tracing the line of said road 24.35 chains to the place of beginning, containing 48,15 acres.

That said petition of said J. W. Smith sets forth

that it is necessary to sell said land to satisfy certain claims held against said estate.

It is therefore ordered by this court that Martha Klingler, wife of said deceased, and Ella Klingler, daughter of said deceased, and all others unknown, if any such there be, and all other persons interested in said estate, appear before the above entitled court on

MONDAY, THE 6TH DAY OF AUGUST.

A. D. 1900, at 10 o'clock a. m. of said day, at the court house in Oregon City, Clackamas county, Oregon, to show cause why an order should not be granted to the said administrator to sell the eve described real estate at private sale, and that a copy of this order be published at least four successive weeks in the Courier-Herald, a newspaper printed and published in said county and THOS. F. RYAN,

Dated June 23, 1900.

SHERIFF'S SALE.

In the Circuit Court of the State of Oregon, for the County of Clackamas.

Matilda Charman, Plaintiff. Vs. T. Whitlock, guardian, Del-bert Newman, Bertha Newman, Bertie Newman, Minnie New-man, Emma Newman, Msx Newman, beirs of H. F. New-man, deceased, and Eva New-man,

State of Oregon, county of Clackamas, ss. RY virtue of a judgment order, decree and an execution, duly issued out of and under the seal of the above entitled court, in the above entitled cause, to me duly directed and dated the 30th day of June, 1900, upon a judgment ren-dered and entered in said court on the 25th day of November, 1899, in favor of Matilda Charman, plaintiff, and against W. T. Whitlock. guardian, et al, defendants, for the sum of \$200.00, with interest thereon at the rate of 10 per cent per annum from the 23d day of September, 1891, and the further sum of \$5.00 costs and disbursements, and the costs of and upon this writ, commanding me to make sale of the following de-

scribed real property, situate in the county of Clackamas, state of Oregon, to-wit: The southeast quarter (set() of section six (6), in township four (4) south of range five (5) east of the Willamette meridian, containing 160 acres, together with all the tenements, hereditaments and appurtenances to the same belonging or in

any wise appertaining.

Now, therefore, by virtue of said execution, judgment order and decree, and in compliance with the commands of said writ, I will on Satur day, the

4th DAY OF AUGUST, 1900. shop at Springwater of the county court house in the city of Oregon Horseshoeing a specialty City, in said county and state, sell at public auc tion, subject to redemption, to the highest bidder, for U. S. gold coin cash in hand, all the right, title and interest which the within named defen dants, or either of them, had on the date of the mortgage berein, or since had, in or to the above lescribed real property or any part thereof, to satisfy said execution, judgment order, decree

interest, costs and all accruing costs. J. J. COOKE, Sheriff of Clackamas County, Oregon.

Dated Oregon City, Ore., July 2, 1900.

UNCALLED FOR WARRANTS Following is a list of warrants remain-ing uncalled for in the clerk's office of Clackamas county for seven years end-ing June 28,1900, and if not called for in 60 days they will be cancelled:

Name	No.	Amt.
Gus Arndt	12140	\$1.50
John A Butler	1301 >	1 00
A. T. Case	10888	1 50
R. R. Colman	10580	1 50
M. Durst	10367	1 20
M. Durst	10874	1 70
James Gibbs	12572	1 50
Fred Gunsder		110
J. D. Hurst	11137	1 50
J Hines	12925	1 50
Kennedy	. 12010	1.50
Patrick Kelly	10590	1.50
John Kitchen	12970	1 70
E. Koehler		1 20
W T Lyons	12954	3 30
A. Miller	12008	1.50
H. L. Minkler		2.20
John McGune		1 50
John McCallister		1.50
James Quian	12932	1 00
G. A. Roed	10604	3 30
J. H. Rathburn		4 10
A. Simms.		1.75
Rudolph Smith		1.50
Don Stogsdill		1 80
George Smith	11188	1.50
J. W. Thomas	12031	1.00
Dill I dottime	and the second	1.50
G. R. Walling	12078	1.20
		1000000

Total State of Oregon, County of Ctackamas.

I. Elmer Dixon, county clerk of the above named county and state, and clerk above named county and state, and clerk of the county court of the county of Clackamas and state of Oregon, do hereby certify that the foregoing copy of warrants over seven years prior to June 28, 1900, and uncalled for has been by me compared with the original, and that it is a correct transcript therefrom and of the whole of such original as the same the whole of such original as the same appears of record in my office and in my

\$48.93

In testimony whereof I have hereunto set my hand and affixed the seal of said court this 28th day of June A. D. 1900. ELMER DIXON, Clerk. By E. H. COOPER, Deputy. SEAL.

Cheney makes stamp photos that will please you

For Sale-\$2000, 120 acres, 32 in cultivation, good orchard and buildings, well AW 120 acre homestead, buildings and stream of water; 12 miles east of Oregon City, Or.; 1/2 mile from church and stream of water; 12 miles east of Oregon City, Or.; 1/2 mile from church and school. Part cash, balance easy terms. Address Mrs. Julia E. Nelson, Merrill, Montana.

lieves that Bromus inermis is going to be the hay grass for all that region.