## WILLAMETTE FARMER.

## fliscellameons.

 be seare during the approaching har-
vesting season, say the $M$ tural
Preses
 market reports sor the past two years
wo fend that
toper tev nericultural


 by reason of the drouth and connec
quent limited tiemand, this fact, in


 which was put wipn the market in caused nother perious low to other









 lis well for our framers to took wut th

## Fescale Tante.-A cultivated taste marks a woman of clegance and re-

 of classical literature does a gentle-man and there is nothing in which
 mit of dixpute; but it is a question it may be aequired. Adelicate taste
must to a eortain extent depend upon the organization of the individu-
at a and it is imposvible for any rules taste to persons entirely wevod of it.
But this is very seldom the case With women; as it is one of the fow
points in which women naturally expoints in which women naturally ex-
cel men. Nen nay be, nud probably
are, superior to women in are, superior to women in all that re-
quires profound thought and general Knowledge, but in the arrangement
of a house, and the introduction of of a house and the introduction of
ornamenta furniture and articies of
bjouteric, there can be no doubt of the innate superiority of women.
Every one must have narked the
difference in the furnivtingof elor's house, and one where a lady
presides; the thousand little elegances of the latter, thought nothing in
themselves, nding, like themselves, ndding, like eyphers,
prodigiousy to the value of ithe sol-
ld articles they are appended to.

Calafohsia, turing 1871, produced $23,000,000$ pounds of wool, and on the had been sent New York and Boston, where it will
be manufiactured and then returned In large shipments in the shape of casimeres and other kinds of woolen
goods, to be consumed by our citizens, Such a system of trade can be but most disastrous to our prosperi-
ty as a people, and every effert should be made to provide for the manufacture of this wool at home," This is from a California paper. Similar ro-
marks would apply to the way in marks would apply to the way in
which much business is done in Ore-

## gon. <br> Insland has been said by one of the Jewish papers to be the only European country in which the Jows aregiven full rights and treated kind apegiven full rights and treated kind- ly. Ruch being the case, it is singu- tar that there should be only 258 Jews ia Ireland, as a to be the case. been given for each mile of the line. ong, is to connect Portland with As coria, and 20 miles of track have been completed. These roads, will ac- commodate the western and northern distriets of Oregon, but the southeastern part of the state has no nav- igable water, and no provision has igable water, and no provision has been made to supply it with railroads. TIMBER. <br> plied with timber. The hills and pied with timber. The hills and nountains are covered with dense

## the stite of oregos. ieographical Features, Resources, Ete.

 [Continued.]All the land of Oregon, $60,975,360$ acres, became the property of the federal government, and no part of
it is subject to any foreign grant. One-sixth of the area has been surveyed by federal surveyors into secdions one mile square each; and thi uaantity of $10,000,000$ acres include for which it is supposed that there will soon be a demand. The federal rovernment has given $3,375,786$ acres and 500,000 neres for public buildings, has reserved $1,010,000$ neres' for Indians, given and sold $3,000,000$ acres granted $1,813,000$ acres to assist the construction of wagon roads, has construction of the Oregon and California Railroad, and 3,200,000 acres Northern Pacific Railroad. The ag.
Re regate of these gifts and sales is 17, ,
78,$78 ;$ acres, or nearly onc-third the area of the State. The greater por-
tion of the railroad grants is promised under conditions which have not been complicel with, and the le-
gal titte may remain in the federal government for many years to come.
The grant to the Oregon and California Railroad Company extends from the Columbia river to the south-
ern boundary of the State, through he heart of the western division, and is of great value. The land is offered
for sate to settlers by the European or sate to settlers by the European
and Oregon Land Company at fair The
The wagon road grants extend from Eugene City, by the middle
fork of the Willamete, to the fork of the Willamette, to the cast-
ern boundary of the State; from Corvallis to Yuquina Bay ; from A1bany, by way of Canyon City, to the from The Dallesto the state; and from The Dalles to the castern bound-
ury of the State, on the line towards Fort Boise.
the"fertile land now convenient of ac cees west of the Cascade Range, and the settlers must expeet to pay somedesirable farm land, even if entirely umimproved. In the Willamette valley prices nange for improved
farms from 85 to $\$ 0$ per acre. Many of the people are ready to sell, and those who have the cash to spare,
can find great bargains. In eastern Oregon, large areas of excellent land
can be purchased at the Government minimum price of $\$ 1.25$ per acre.

In our time the progress of new countries depends, to a great degree
upon their railroads, and their con nection with extensive railroad sysconnect Oregon with the Middleand the Northern Pacific Railroads, Conprons mas given 12,800 acres of land road from Portland to Sacramento, distance of 600 miles, and the cars -the road being about 100 miles from the ocean, and parallel, in general course, with its shore. Other roads
in the same direction conne Portland and Sacrumento so as to secure a great coast road from Mexico British Columbia.
The main Northern Pacific Railhe Columbia river, on valley of ide, to Portland or vicinity, and to that 25,600 acres of federal land have

| forests of large conifers, which ex- | portation. Large quantities of salm- |
| :--- | :--- |

tend into the bottom lands and there on are caught every spring in the mingle with deciduous trees. The Columbin river, and either packed most valuable, and also the most
abundant trees of the State, are the
abse, smoked, or canned with
just enough seasoning to fit them for red and yees of the State, are the just enough seasoning to fit them for nists as the Abics Douglasii and
teen to twenty pounds each, and can Abics Grandis, and to lumbermen ntly reach a height of 250 freand a thickness of eight feet in the trunk. The wood is hard and strong, and makes excellent frames for houses, and frames and planking for
ships, but it is too rough for finishing either the inside or even the outside of houses to advantage. Finishing lumber is supplied by the sugar pine which abounds in some parts of th Cascade Range, and by the Oregon large as the firs, and by the Port Orford cedar, which is found on a small district near the const, and is fragrant with a terebinthine odor, that pleasant. The western yellow very grows to a very large size, but is more abundant on the eastern slope

The yew and juniper give va riety to the evergreen forest. Decicuous trees are few comparatively, and alder. Neither the oak nor ash timber of Oregon is equal in strength and elasticity to that of the Missis sippi valley. No hickory, black wal nut lumber is procurable without im portation.
East of the Cascades, on the bot are generally rare, small, and crooked in trunk and limb, with timber of burning. On the higher elevation of the Blue Range, however, wher considerable quantities of snow fall In the winter, and lie until late in the spring, there are extensive for
ests of large and handsome trees,
The bottom-lands west of the Ca ade Range are generally bare of rees, having been prairies when first visited by white men, but
are covered by an abundant growth of indigenouy grasses and ferns, In growth of bushes and briers, many of value. The moisture of the climate is very favorable to the growth of frns, which give the farmers much trouble in their cultivated fields.
aghevletural phoductions.
The agricultural productions in 1869 the latest year for which we have datistics on that point-included 1,50,000 bushels of wheat, worth \$1, 500,$000 ; 500,000$ bushels of oats,
worth $\$ 270,000 ; 500,000$ bushel of poworth $\$ 2.0,000 ; 500,000$ bushel of po-
tatoes, worth $\$ 300,000 ; 200,000$ bushels of maize, worth $\$ 200,000 ; 200,000$ cts of maize, worth $\$ 200,000 ; 200,000$
bushels of barley, worth $\$ 200,000 ; 5$,200 bushels of rye, worth 85,200 ; and 75,000 tons of hay, worth $\$ 637$, 000 ; making a total value for these artices of $\$ 3,112,200$. Of butter, 1 ,
000,000 pounds were mane clecse, 105,279 were made, and of
pounds. Oregon is lence of itsapples the abdance and excellence of itsapples. The annual yield
averages 300,000 bushels, or more than 200 pounds a year for every person in the State. The orehards were orchards of California came into full bearing-but afterwards became unprotitable, and many were neglected, valuable. Large quantities of more apples are shipped to California, the apples of which are not good keeper: The climate of western Oregon is weoseberries, grapes quinces, plums, and peaches, and apricots thrive in Rogue valley, but not in other parts of the State, where there is too much cold or moisture. The num220,000 , of sheep 120,000 , and of swine 115,000 . The wheat is of excellent quality and is considered a sure crop, and is the main agricultural export.

The rivers of Oregon abound in is the salmon, and of these theortant half a dozen different apecies, all
large, palatable, and valuable for ex-
e purchased in the fishing season at
one cent per pound. The amount taken annually in the Columbia is not less than 3,000,000 pounds, though without difficulty, or without injury without difficulty, or without injury The Umpqua, Regue, and supply. The Umpqua, Rogue, and smailer treamsemptying into the Pacifle, all have their spring and fail run imon. sturgeon, halibut, flounder od, herring, and smelt are also found the rivers or near the coast, bebysters exist in some of the bay population.
The population of Oregon in 1870 was 90,923 , and is probably not less 6,000 now, or a littl per , very unevenly distributed, nore than 60,000 living on a district, of not more than 9,000 square miles, In the Willamette valley, making wearly seven persons to the square mile there, and leaving three permainder of the State miles in the re mainder of the state. The populaIlaho were still part of it and daho were still part
13,087 , and in the when Washington Territory 1860 been organized, was 52,337 , showing gain of 300 per cent. in ten years The gain in the last decennium was 73 per cent., and, if the same ratio is reserved for the next thirty years, greater, the number of the inhabitants will be 155,000 in $1880,970,000$ 1890 , and 460,000 th 1900 . The follow ing table shows the population, ac ing table shows the population, ac-
cording to the U. S. census of 1870 , and the taxable property, according ta the State assessment of the same


Baker and Union counties are east
Baker and Union counties are east
of the Blue Range; Umatilla has mange, though some of of the Blue range, though some of its territory
extends over to the eastern Wasco and Grant are betwe slope Blue and Cascado are between the extends across the Cascade Jackson though nearly all it cascade Range the west side ; and all other count on are west of the Cascades countic classification, the region east of the Blue Range has 5,218 inhabitants Ranges has 7,$616 ;$ Blue and Cascade the Cascade Range has 77,936.
Portland may be regarded as the
when the projected of Oregon, but ria is completed, the latter place may become its rival.
In the towns, many of the adult people are New Yorkers and New mostly natives of in the country Indiana, and adjacent States, and people of strong character and enterprise, as might be inferred from the conditions under which the country and hospitable; their descendants will be hightly educated, and their tate prosperous The settler who comes to make his home among hem is received as a friend at once, his manner, or the circumstang of his arrival, throw suspicion upon him. In western Oregon, the popu
lation is permanent; in the eastern
Instricts, much of it is mignatory,
Indlans were formery numerous in
Oregon, but the present number is Oregon,
small, and
whites.

## Agricultural.

DRAINING.
This subject is being agitated some-
what in the columns of the FARMER What in the columns of the FARmer, o the agriculturist. The flist ques-
on to be answered in connection with this as with any other matter,
is, Will it pay ?" If it will not, there is no use making any applica-
tion of it. If it will, all of course will be interested. The farmer, who is no exception to the rule. This be-
ng a permanent ing a permanent investment, the ally pay the principal invested, with nowr return in interest? We have
known instances where a plece of ground would produce a crop of
wheat which averaged twenty bushels to the acre, without any extr
fertilizing, caused to increase it yield from six to ten bushels per
acre by draining. acre by draining.
Many reports
Many reports might be given to
how the returns from this system but we will not now stop to enumer ate them, but will give some of the
advantages to be derived from it.dvantages to be derived from it.One great advantage, particularly in
our rainy climate, is, the ground may be worked at any time when properly drained; whereas, if not tayed Draining prevent very effect.
tually all innury from drouth, for the reason that the land does not become oaked and muddy, but keeps melhard crust over the surface. We this subject, but our space will not
permit, and we will give a brief permit, and we will give a brief
mention of a few of the advantages will suggest a train of thoughts to he farmer, and also induce some of ur friends to take up this ques-
on, nud show the probable cost em of tiling is where a sysnderdraining dispenses with open litches and deep dead furrows, it
engthens the season for labor, and vegetation; it prevents the cracking
of stiff clay soil ; also assists in pulverization ; it admits of thorough
dmixture of nanures ; it permits admixture of nanures; ; it permits
absorption of fertilizing substances from the air; supplies nir to the roots;
it warms the soil by the heat passing downward; it renders the solt moro,
riable ; it prevents its heaving with
rost ; it admits of the easy eradica-ton of weeds: it admits of the pasy injury, and one advantage, great-
needed in this country is, itadmits of the pasturage of animals in win-
er withont injury to the soil or the
rase grass. These are a few of the many oping to hear from some friend who
studied up this question more
horoughly.-Dallas Republican.
Cause of the Deterioration of the Wheat Frederick Watts,
griculture, in a recent lissioner of "The experience of many years deterioration of the wheat crop is uainly attributable to the improper nure. In our practice the clover sod The ground is agd planted with corn. The ground is again plowed in the pring, and sowed with oats, and up-
on the stubble of this crop all the manure of the barn-yard is put; then Tlowed again, and sowed with wheat. 0 the rawness and grossness of barnard food, with all its germs of filies, sorms, lice Rad bugs-seemingly a
sufficient cause of the unsucessful growth of a grain so pure and dell-
cate as wheat. Corn is the plants, and will devour food of any quality and thrive upon it. Here, then, upon the sod, to be plowed for
corn, is the place for barn-yard maBury it deep, and when the with the ground during winter. In he spring harrow the ground well wow your oats upon it and roil it. You you put it, and not subject the oat crop his crop is sown down by it. When nure to the surfoed, by deep your ma-
and therough tillage. Tewing nanure having thus received proper
preparation, is a fit food for the when plant. Experience has taught me
this lesson. On my farm in Pennsyl-
vania I never fail to nile tory crop of wheat, and I have snown
no such thing ass Midge, Hessian fly,
or army worm."


