

OREGON SHORT LINE

AND UNION PACIFIC

	THE COMPANIES	
DEPART	TIME SCHEDULES FROM Portland, Ore.	ABBIVE
A-EL-MILE	Torciana, Ore.	ALILAND
Chicago- Portland Special 9 a.m.	Salt Lake, Denver, Ft Worth, Omaha, Kan- sas City, St. Louis, Chi- cago and East.	4:00 p, m.
Atlantic Express 9 p. m.	Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and East.	8:10 a, m.
St. Paul Fast Mail 6 p. m.	Walla Walla, Lewiston, Spokane, Wallace, Pull- man, Minneapolis, St. Paul, Duluth, Milwau- kee, Chicago and East.	7:00 a. m.
	Ocean Steamships	
8° p. m.	All Sailing Dates subject to change. For San Francisco—Sail every 5 days.	20 3000000
Daily Ex. Sunday 8 p. m. Saturday 10 p. m.	Columbia River Steamers. To Astoria and Way- Lundings.	4 p. m Ex. Sunday
6.45 a. m. Ex. Sunday	Willamette River. Oregon City, Newberg, Salem, Independence and way-landings.	4.30 p. m. Ex. Sunday
7 a. m. Tues. Thur and Sat.	Willamette and Yam- hill Rivers. Oregon City, Dayton and way-landings.	S:30 p. m. Mo., Wed. and Fri.
6,45 a, m, Tues, Thur and Sat.	Willamette River Portland to Corvallis and way-landings.	4:30 p. m. Mon., Wed and Fri
Leave Riparia 8:40 a. m.	Snake River Riparis to Lewiston.	Leave Lewiston 8:30 a.m.

72 Hours PORTLAND to CHICAGO

No change of cars rates, berth reservations, etc., call at ticket Third and Washington Streets.

A. L. CRAIG, G. P. A., Portland, Oregon

The Dalles, Portland and Astoria Navigation Co.'s

Strs. Regulator & Dalles City

Daily (except Sunday) between

The Dalles,

Hood River, Cascade Locks,

Vancouver

and Portland

Touching at way points on both sides of the Columbia river.

Both of the above steamers have been rebuil and are in excellent shape for the season of 1900 The Regulator Line will endeavor to give its patrons the best service possible.

For Comfort, Economy and Pleasure travel by the steamers of The Regulator Line.

The above steamers leave Portland 7a. m. and Dalles at 8 a. m., and arrive at destination in ample time for outgoing trains.

Portland Office.

Oak St. Dock.

The Dalles Office CourtStreet.

A. C. ALLAWAY

General Agent

SOUTH AND EAST

Southern Pacific Shasta Route

Trains leave Oregon City for Portland at 7:00 and 9:22 A. M., and 6:30 P. M.

Lv	Portland	8:30 A.M.	8:30 P. M.
L	Oregon City	9:22 A. M.	9:14 P. M.
A	Ashland	12:55 A.W.	12:35 P.M.
	Sacramento	5:10 P. M	5:00 A.M.
-	San Francisco	7:45 P. M.	8:45 P.M.
44	Ogden	4:45 A. M.	7:00 A. M.
44	Denver	9:30 A. M.	9:15 A. M.
**	Kansas City	7:25 A M.	7:25 A.M.
- 15	Chicago	7:42 A.M.	8:80 A. M.
44	Los Angeles	2:00 P. M.	8:05 A.M.
- 69	El Paso	6:00 P. M.	6:00 P.M.
14	Fort Worth	6:80 A.M.	6:80 A.M.
**	City of Mexico	11:30 A. M.	11:30 A. M.
**	Houston	7:00 B. M.	7:00 A.M.
**	New Orleans	6:30 P.M.	6:30 P. M.
- 99	Washington	6:42 A. M.	6:42 A. M.
39	New York	12:10 P. M.	12:10 P.M.
P	Ilman and Tour	ist Cars on	both train

Chair cars, Sacramento to Ogden and El Paso and tourist cars to Chicago, St. Louis, Nev and tourist cars to Chicago Orieans and Washington.

Connecting at San Francisco with several Steamship Lines for Honolulu, Japan, China, Philippines, Central and South America.

E. L. Hoopengarnen, agent at Oregon station, or address C. H. MARKHAM, G. P. A.,

Guaranteed \$900 Salary

Yearly. Men and women of good address to represent us, some to travel appointing agents, others for local work looking after our interests. \$900 salary guaranteed yearly; extra commissions and expenses, rapid advancement, old established house. Grand chance for earnest man or woman salary guaranteed yearly; extra commissions and expenses, rapid advancement, old established broase. Grand chance for earnest man or waman to secure pleasant, permanent position, liberal factories and future. New brilliant lines. Write at once, a secure pleasant, permanent position, liberal factories, and future. New brilliant lines. Write at once, a secure pleasant, permanent position, liberal factories, and future. New brilliant lines, write at the County Court of the State of Oreg in, for the County Court of the State of Oreg in, for the County County of Clark anisation.

STAFFORD PRESS, New Haven, Cont

WANTED-TRUSTWORTAY MEN AND WO wanten—receive for old established house of solid financial standing. Salary \$780 a year and expenses, all payable in cash. No canvassing required, Give references and enclose self-addressed stanoped envelope. Address Manager, \$55 Caxton Bldg., Chicago.

"Best of Everything" In a word this tells of the pas-

nger service via,

THE NORTH-WESTERN LINE

8 Trains Daily between St, Paul and Chicago comprising:

The Latest Pullman Sleepers Peerless Dining Cars Library and Observation Cars

Free Reclining Chair Cars The 20th Century Train-"THE in Venezuela. NORTH-WESTERN LIMITED" runs every day of the year.

The Finest Train in the World fired on those who were riotous.

Electric Lighted Steam Heated To Chicago by Daylight.

The Badger State Express, the finest day train running between Chicago via. the Short Line.

Connections from the west made via The Northern Pacific, Great Northern,

and Canadian Pacific Rys. This is also one of the best lines between Omaha, St. Psul and Minneapolis
All agents sell tickets via "The Northwestern Line,"
W. H. MEAD, H. S. SISLER
G. A. T. A.

248 Alder St., Portland, Oregon.

SUMMONS.

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

W. W. Smith, plaintiff, Anr le E. Smith, defendant.

To Annie E. Smith, said defendant.

In the name of the State of Oreson, you are bereby required to appear and answer the complaint filed against you in the above entitled suit on or before the 28th day of June, 1991, that being the last day prescribed in the order of publication of this summons, and if you fail to appear and answer said complaint, the plaintiff will apply to the Court for the relief prayed for therein, to-wit: A dissolution of the bonds of matrimony between you and the plaintiff.

This summons is published by order of the Hon. Thomas A. McBride, Judge of the 6th Judicial district of the state of Oregon, for the county of Clackamas, made and entered on the 8th day of May, 1901, and the first publication being the 10th day of May, 1901.

UREN & SCHUEBEL,

Attorneys for Plaintiff. To Annie E. Smith, said defendant.

SUMMONS.

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

Eliza Reebs, Plaintiff, Hugo Reebs, Defendant.

To Hugo Reebs, said defendant.

To Hugo Reebs, said defendant.

In the name of the State of Oregon, you are hereby required to appear and answer the complaint filed against you in the above entitled suit or before the Sixtday of May, 1901, and if you fail to so answer, for want thereof the plaintiff will apply to the above entitled court for a decree forever dissolving the bonds of matrimony now existing between the plaintiff and defendant, and for such other relief as shall seem meet and proper.

proper.

This summons is ordered published in the Oregon City Courier-Herald for the period of six weeks from date of fi stpublication thereof such order being made by the Hon. T. A. McBride, Judge of the Circuit Court of the State of Oregon, for the County of Clackamas, on the 23rd day of April, 1901.

A. R. MENDENHALL.

A. R. MENDENHALL, Attorney for Plaintiff, First publication vpril 26th, 1001.

Timber Land, Act June 3, 1878. NOTICE FOR PUBLICATION.

UNITED STATES LAND OFFICE.

Oregon City, Oregon, April 26, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the public land states by act of August 4, 1822, George L. Curry, of Portland, county of Mulinomah, state of Oregon, has this day filed in this office list sworn statement No. 5395, for the purchase of the N. W. 34 of S. E. 34 and S. W. 34 of S. E. 34 of section No. 12 in township 4 south, range 4 cast, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon, on Saturday, the 20th day of July, 1901.

He names as witnesses: J. C. Welch, E. J. Haight, C. P. Haight H. Wiberg, all of Portland. Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 20th day of July, 1901.

CHARLES B. MOORES, Register.

CHARLES B. MOORES, Register.

NOTICE OF GUARDIAN'S SALE OF REAL ESTATE.

Pursuant to an order of the County Court Pursuant to an order of the County Court of Jackson County, Oregon, made and entered on the 30th day of April, 1901, in the matter of the estate and guardianship of Bessie Randail, 5r., minor child of O. P. Randail, deceased, licensing me so to do, I will, from and after June 20th 1801, offer at private sale, and sell therest to the highest bidder, for eash in hand, the following described real property belonging to said estate and situated in the County of Clackamas, Siste of Oregon, to-wit:

and situated in the County of Clackamas, Siste of Oregon, to-wit:
Beginning 2.72 chains north of the southeast corner of section 7, township 5 south of range 1 east Willamette Meridiau; thence running north 13.62 chains; thence west 41.78 chains; thence south 1862 chains; thence east 41.50 chains, to the place of beginning; the same being a part of the N\u03b4 of the D. L. C. of I. D. Murray and Maria T. Murray, containing 89 acres, more or less, save and except a right-of-way deeded to Israel Yoder February 10th, 1890, and recorded in Book 37 at page 89 of the dead of records of said Clackamas County.

That bids for said property will be received by me at Woodville, Jackson County, Oregon, and after said June 20th, 1901, I will sell and convey the same to the highest cash bidder therefor.

MES, BESSIE RANDALL, St.,

Guardian of the Person and Estate of Bessie Randall, Jr., Minor.

Dated, May 11th, 1901.

CITATION TO HEIRS.

In the County Court of the State of Oregon, for In the matter of the guardianship of Stephen

In the matter of the guardianship of Stephen A. Lane, an insane person.

To the next of kin and all persons interested in the estate of Stephen A. Lane, an insane person. In the name of the state of Orecon, you are hereby required and cited to appear in the County Court of the State of Oregon, for the County of Clackamas, at the court room thereof, at the court bouse in the said county of Clackamas, on Monday, the 19th day of June A. D., 1981, at 10 o'clock, a. m., of that day, then and there to show cause, if any there he and you have, why alicense for the saile of the real property of said stephen A. Lane, towit. The north half of southeast quarter (self, of self,) and southeast quarter of southeast quarter (self, of self,) as country. Oregon, should not be granted as as prayed for in the petition on file herein.

Attest, E. H. COOPER, Clerk.

WANTED.—Capable, reliable person in every county to represent large company of solid financial reputation; 255 salary per year, payable weekly; 85 per day absolutely sure and all expenses; straight, bons fide, definite salary, no commission; salary paid each Saturday and expense money advanced each week. STANDARD HOUSE, 334 DEARBORN ST., CHICAGO.

NEWS

been depopulated.

one fatally.

powers will let her.

all Europe.

Wednesday, May 29.

to the 4 per cent interest proposed.

many wants to seize and hold the two

Chinese provinces adjoining Manchuria containing 25,000,000 people, if the other

The Neuste Vienna Tagleblatt says that America is the common enemy of

The grapegrowers of France will fight

Dr. Hendriks and Dr. Leyds, agents

The Baskett family of Polk county has

Count Goluchowski, Austriam imper

ial chancellor and minister of foreign af-fairs, thinks that the Chinese indemnity

long European peace will be maintained.

Tenn., killed 21 miners.

rightful havoc.

A coal mine explosion at Dayton,

Some of the 45 volcanoes on the island of Java, which has over 20,000,000 people, are in activity, and they create

Congressman James D. Richardson, ranking democratic member of the ways

and means committee, says that in his opinion and that of other lawyers at Washington, the decision of the supreme court in the insular cases means that

the constitution follows the flag, as the

President Castro of Venezuela has through the N. Y. Herald sent a friend-

ly message to the United States, in which

he accuses the American minister, Loo-

In Bechuanaland 200 Boers have sur-rendered and 42 wagonloads of them at

In the North China Herald a commu-

At Bartow, Fla., Fred Rochelle, negro

was burned at the stake last night for

assaulting and thereafter murdering

Mrs. Rena Taggart, a respectable white

In Thurston county, Wash., 12 miles from Olympia, at a depth of 198 feet a

superior quality of lubricating oil has

Mrs. Mary Baker G. Eddy, of Concord,

N. H., the noted Christian scientist, has been sued by Mrs. Josephine A. Wood-

H. H. Davis, of Medford, was accidentally shot and killed at Klamath

In northern Trinity county, Cal., a windstorm destroyed a million dollars'

Four million dollars in gold left New

are ruined and vast hordes vainty sees

In the last 10 years, according to the

census, the number of farms in the Unit-

Germany will keep 4000 soldiers

At Hongkong there are 30 plague cases

By a majority of one the Cuban con

Futi re Events.

County Board of Commissioners meets

in regular monthly session Wednesday,

Regular monthly meeting of city coun-

Maccabees celebration at Macksburg

Joint session of the Clackamas and

Multnomah County Teachers' Associa-tions at Will-burg, June 8th. Twenty-ninth annual re-union of Or

egon pioneers in Portland, June 14th.

cil on the evening of June 5th.

sone park July 3-13th.

une lith.

ed States has increased 1,000,000.

the independence of Cuba.

bury for \$150,000 damages for libel.

democrats have contended.

asphalt company.

woman.

been struck.

worth of timber.

China.

York for Europe coday,

Fort Tuli, Rhodesia.

in Europe of the Boer republics, have formally appealed in behalf of the Boers to The Hague arbitration court.

frost and grasshoppers with cannon and

Friday, May 24.

In a fire caused by a gasoline explosion on North Wood street, Philadelphia, Mrs. George Mushenburg and her baby were burned to death.

Five cadets dismissed from WestPoint for insubordination have entered the service of an American asphalt company

At the Obonkhoff armorplate works, near St. Petersburg, Russia, thousands of workmen struck, and the gendarmes

At Manila three American officers have been sentenced to imprisonment for complicity in the commissary frauds,

At Salem, H. T. Bruce and Ray Gilbert have been arrested by A.H.Damon, on the charge of criminally assaulting his daughter before she had reached the age of 16 years.

Wm. Smith, of Hay Creek, sold 60,000 pounds of wool at 10 cents. In Harney county, Hotchkiss & Collenbach sold 1000 sheep at \$2 50 per head, and another 1000 at \$2 75 per head. The 10,000 sheep of James Hackett, near Pendleton, produced 150,000 pounds of wool.

The rise in the Tennessee river caused the death of 14 people.

At Augusta, Okla., J. W. Mahey dis-charged a double-barreled shotgun into Homer Keen. Judge Lynch is looking for Mahey.

Saturday, May 26.

In Chicago, J. A. Dowie, faith-healer, and H. W. Judd were placed under \$10,000 bail each, and Henrika Brasch and H P. Speicher, maternity nurses, under \$5000 bonds, on the charge of criminal liability for the death in childbed of Mrs. Emma Lucy Judd.

A colliery explosion in the Rhondda Vailey, Wales, entombed 70 miners.

At New Orange, N. J., a home will be established for aged, hard-up newspaper workers.

Fortunately, the Hammond (Ind.) Dis-tilling Co., capital \$1,000,000, is getting ready to fight the whisky trust with good corn liquor.

A lumbering company intends to erect a sawmill at Astoria costing \$250,000 . At Pendleton a lot of 6000 sheep, sold

at \$2 to \$2 35, have been shipped for The German kaiser is weary of the ex-pensive Chinese fracas, and is anxious to bring back home the bulk of his army

and navy in the Far East. The president has pardoned Alexander

McKenzie, the Cape Nome swindler, in jail at Oakland, Cal. He is a politician of the most corrupt kind and a friend of Mark Hanna.

Sunday, May 26. At San Francisco, Prest. McKinley was visited by Consul-General Ho Yow and the presidents of the Chinese Six mis, of accepting large bribes from the Companies, who presented him with an address written on imperial yellow silk

and beautiful presents Mrs. E. G. White, the aged authoress and prophetess and seer of visions, is at-tending the Seventh Day Advents con-vention in Portland.

Fred Williams, Peter Adams and A. Peterson, imprisoned at Salem on the charge of robbing a store at Woodburn, broke jail by sawing the bars from the doors of their cells. They walked out at the front door carrying their blankets.

The great V.

The great Krupp iron works in Germany will discharge 5000 men; previously 4000 men were discharged.

R. C. Hislop, a boy of 13 years, was murdered by burglars at his home on Haight street, San Francisco.

Permits have been granted for grazing 242,975 sheep in Mt. Ranier reserve. Near Coquille City, E. E. Daly, of Blackwell, Okla., was murdered and robbed. His body was found in the woods near the railread with a builet in the head.

As a means of relief to the dry citi-zens of the prohibition town of Forest Grove, the neighboring grape-growers will make wine next fall.

Near St. Petersburg, Altschensky, the great financier of Charkoff, committed suicide by throwing himself under a running railway train.

At Pond Creek, O. T., a mob lynched B. C. Campbell, a negro, for murder. In a Philadelphia hotel John A. kins failed in the attempt to kill Miss Mae Barber and then blew out his own

Monday, May 27.

brains.

The suspension for a week of the Novoe Vremya, as a punishment for publishing liberal articles, has caused sensation in St. Petersburg.

Denmark has a match trust with a capital of \$1,500,000.

The German officers and soldiers at Pekin refused to heed the request of the Americans to keep off their legation street while it was being repaired, and in the difficulty resulting an American soldier shot a German soldier, inflicting a slight wound.

In France the Russian loan was sub-

As the outcome of a debate, both the South Carolina U. S. senators, B. F. Tillman and John L. McLaurin, have resigned and they will appeal to the people in a joint canvass.

Tuesday, May 28.

The gist of the supreme court decision is that our new possessions are foreign territory when it comes to the imposition of duties, but in every other respect are the property of the United States, subject to the will of congress and without the possession, in themselves, of any right of self-government,

Charles Yun Marshall, of Soo Chow, Chins, was awarded the medal in ora-tory, the highest honor in the Vanderbilt (Nashville, Tenn.) university. He is a heathen Chinee.

of coffee. Lord Kitchener reports that from May 20 to 28 he took in 463 Boers.

Last year there were 5,300,000 acres in flax in North and South Dakota and Minnesota; this year's sowing will in-

crease the flax area 200,000 acres. Laxative Bromo-Quinine Tablets Many stations in Queensland and New South Wales have had no rain for two the remedy that curee a cold in one day

BEEF ARISTOCRATS.

Americans No Longer Willing to Put Up With Poor Meat,

We are becoming a nation of beef aristocrats, and we are not willing to put up with the quality of beef which was provided ten years ago by our loyears, and the number of sheep has been cal butchers. This change of tastes reduced in six years by some 50,000,000. In Queensland whole townships have has been brought about largely through now practiced in the great grain grow-Four thousand Indians will each select a quarter section of the 3,:00,000 ing states. It is not the writer's inacres of reservation land on the Wichita river that will be opened to settlers. On account of lack of rain, the country is little adapted to farming.

tention to undertake to describe what the future beef animal will be, but more especially to note the points which will most likely fill the future more especially to note the points straw from the farm nor have we sold Senator Towne, of Minnesota, will great increase in the consumption of leave politics to give his attention to beef during the past three years has 300,000 acres of Texas oll land. emphasized the fact that better and Because the brethren at a coon church more beef is demanded by all classes social in Sioux Falls, Iowa, called Harry of people. Not only is this true of our Baker a "cheap skate," he got a gun and entering the church, shot three of them, own people, but also in the foreign markets where our products are sold. Likely there will always be a limited The Chinese court is willing to pay 450,000,000 taels indemnity, but objects demand, for special purposes, for canned beef which will consume a large part of the inferior grades of beef The Germans are making elaborate which finds its way to our principal preparations at the port of Shaughai for markets, but the general public, those doing a rushing shipping business as soon as peace has been established. Gerwho are beef consumers of today and those who buy small supplies from



CHAMPION BULL "PAT," OWNED BY THE PRINCE OF WALES.

become puffed up by the delusion that it is the heir of William Baskett, an En-glishman, who left about £6,000,000. day to day, are becoming a little more fastidious, and there is a just discrimination between the good and the inferior sorts and the poorly fed and the well fed animal. The ideal animal of the future will not be one with a question ought to be settled immediately, since, in view of the conditions in the Balkans, it is impossible to say how preponderance of fat. It must be one of rather matured beef, nicely grained and of sufficient solidity to give substance to the carcass.

Breeders of the different pure beef with the belief that their particular breed should take highest rank in prowill always remain with the farmer and feeder to furnish that animal which will please the taste of the average consumer. While the grass fed animals from the western ranches will furnish a fairly good supply of beef, yet the prime sort will always come from the grain growing sections of the country, and for this reason there is a very bright outlook for the feed grower and for the cattle feeder who is located in any of the central states. These states are favorably situated and so blessed with many progressive and painstaking breeders and feeders that here will always be produced the best and choicest beef animals of the world. If one would care to follow the reports of the fat stock shows held absorbing large quantities of straw during the past season, he will discover makes that mode impracticable, that the majority of prime beeves has for these feeders and grain raisers to determine as near as possible what ade for beef animals and to meet that demand as nearly as possible. When

any farmer or feeder has determined these points and settled it in his own mind decisively, he has gone a long way in making a success of his cattle raising and feeding business. The path of the breeder of beef stock is plain. Near Croy, Byron Sanders, aged 19 years, was drowned in John Day river. and the path of the general grain raiser and stock feeder is plain, and he who will not keep in line with the demands of the day will surely and quickly fail in his work.

Young Borses In Winter.

Many farmers seem to have a notion that if a horse is to be tough, rugged Millionaire Morgan has acquired in Europe the Mannheim art collection, worth \$2,500,000, which he would bring and wiry he must endure hardships during colthood, says Wallace's Farmer. Others have an idea that nothing to America to give away were it not for is too good for the well bred colt and, the barbarous Dingley tariff on foreign works of art, which he will not pay therefore, that he should be kept closely stabled and blanketed in the winter In Russia, money is scarce, markets season. It is hard to tell which of are glutted, business is smashed, many these is the worst nonsense. Let us see what is required. work. No industrial paralysis like this has ever struck the Russian empire.

In the case of the weanling, you are laying the foundation, or rather you are attempting to carry out the plan, of the architect or the breeder. If the plan of the architect is to be carried out, the colt must have abundant nourishment, mainly albuminous, such as oats and clover hay, with more or less corn, during the winter. To give this colt a kind of balancing ration and keep scribed 10 times. English critics pre-dict another Russian loan within six amendment which limits and restricts him tied up in the stable is absolute gruelty. He needs shelter from storms. but he must have in order to develop properly abundant exercise and that, too, in the sunlight and open air. It is Picnic at Frog Pond, Saturday, June folly to hamper a colt, and equal folly to stunt it by submitting it to hard Commencement exercises of the Oreconditions, such as the run of a stalk gon City High School on the evening of

field and the food he may gather there. The yearling may with profit be given a little grain during the winter, should perhaps for its best development, but after the colt is a year old, if you will give it plenty of good blue grass pasture, or a second crop clover field that has not been pastured down, give it the run of a haystack, clover preferred, plenty of salt and water and exercise, and a shed of the simplest kind if it be only waterproof for refuge in stormy days, that colt will give a To New York and New Orleans five Annual Assembly of the Willamette steamers brought yesterday 165,000 bags Valley Chautauqua Association at Gladgood account of itself, not only in its yearling form, but until 3 years old, when it should begin, like the boy of 15 or 16, to earn its living.

Stacking Corn Fodder.

Stack the corn fodder under cover if possible. It will be needed this winter and goes further if run through a cutter or shredder.

CULTIVATION OF MANURE.

Straw Utilized and Waste Prevented. Well Located Barnyard.

It requires considerable labor and prompt attention to make manures and retain the elements of natural fertility within the accumulation of stable and barnyard, especially if exposed to the air and rain. No one denies that a mathe better methods of feeding cattle, as nure shed or covered barnyard is the safest way to prevent loss from leaching, but very few farmers own or are able to construct covered vards. For nearly 20 years we have not sold any which will most likely fill the future any hay for ten years. The hay is fed requirements of the consumer. The and some straw, but a very large progreat increase in the consumption of portion of the latter finds its way into manure under the feet of our stock as bedding and absorbent to save largely the liquid portion of animal excrement. Sometimes at first it seems next to impossible to work the large quantity of straw thrashed each fall into manure fit for farm use, but each year before next thrashing time we have to husband our stock of straw for bedding or let our cows, horses, calves, sheep and pigs sleep in filthy quarters, much to our annoyance and loss financially.

Our stock of manures is made out of doors or, rather, finished there after being hauled from the stables. Cow and horse manures are mixed and spread out in a large pile and every few days the flat rick or pile is bedded by distributing a layer of straw over it and usually the young stock has some hay placed there so as to induce them to tramp the manure and straw together. By hauling the manures directly from stall to field we could not utilize much over one-half the bulk of straw on hand; hence we feel that we do not lose much from accumulation of manure for at least a few weeks, if handled rightly. At no time do we allow manures taken from the stables thrown out in conical piles to ferment and fire fang-that is, to consume in a slow combustion, and also to leach and leave little but a small percentage of phosphoric acid and potash. Where hired men are employed it is very difficult to get them to comprehend the advantages obtained by an even distribubreeds of cattle are strongly impressed tion of the voldings of animals and they have to be constantly reminded to do it properly. Where straw is not ducing the ideal beef animal, but it plenty and a covered yard not provided we would suggest getting manure on to



BARNYARD.

the land as fast as it is taken from the stables, but in our case the necessity of

We find that our soil requires large come from Indiana and Illinois, and it quantities of humus and that without is a noteworthy fact that these states it farming is not successful, especially baye never fallen behind in the competition of fatted animals in any show of decay of organic matter not only held in this country. It remains, then, directly adds fertility, but it disinte grates in such soils, which naturally become tenacious without it and frethe demand will be during the next dec. quently because of a lack of enough humus unavailable fertility remains locked up and even available material becomes "reverted" or unavailable. To avoid an overplus of humus in our three year rotation we do not distribute more than ten tons of such manure on an acre and do that from the wagon. This is usually as much, along with an undergrowth of a second crop of clover, as an acre will take care of with the average rainfall of the growing season. By this economy we are able to spread our quite large supply over a large territory and doing so every three years is like adding cash to a yearly

annuity. One of the greatest wastes that come to most farms is the feeding of hogs carelessly in a small inclosure year after year and the droppings either accumulate or are washed away. This has been often one of the harassing problems with us until we used inclosures near the straw yard and kept them liberally supplied with straw. A dozen shotes confined in such an inclosure from December till March fully demonstrated that it pays to get the

residuum in this way. We have convinced ourselves that where time is money manure making has not been time lost and also that where it has been evenly mixed in the composting we feel repaid for the labor expended in doing so We find that a barnyard properly located is so essential in successful manure making that under no circumstances could we neglect the selection of a spot to conduct our operations. This yard should be clay bottom and made dish fashion so as to cetam the liquids for absorption into straw, stall's, etc. It should not be larger than can be comfortably covered with bedding and all portions kept hedded to free stock from mud .-

Ohio Farmer

The department of a greetiture, in its final estimates for 1500, makes the whent crop 522,000,000 bushels, corn 2,105,000,000 bushels and oats 809,000,-

The celebrated case of Utter versus Utter, or peach grower versus beckeeper, has been retried by a jury, with a

verdict in favor of the beekeeper. A successful outcome is reported to the Connecticut experiments in growing Sumatra tobacco under shade. Under the direction of Expert Floyd one-third of an acre of tobacco was raised under a cheesecloth shade nine feet high. It yielded 700 pounds of cured tobacco, or an estimated yield of 2,100 pounds per acre, with a loss of 10 per cent during fermentation.