

THE LAWN AN OUT-DOOR LIVING ROOM

Failure Unless It Will Stand Children's Rumping Says L. P. Jensen.

PERFECTION TAKES TIME

Preparation of Soil, Care of the Grass and Watering Are Important.

"A lawn which will not stand the playing of children and the walking of many persons, I consider a failure," is the statement of L. P. Jensen, of St. Louis, in an article in the annual report of the State Board of Horticulture which is now on the press of the state printer at Jefferson City. Mr. Jensen is landscape artist for the Adolphus Busch estate in St. Louis. The subject of his article is "Lawn Making," and among other things he says:

"It takes years of patient care to produce such a lawn as I have mentioned, but it is well worth the effort. A lawn should, to a certain extent, constitute an outdoor living room, for the family, a large part of the year. There is nothing more beautiful and refreshing than a perfect emerald green lawn framed with irregular plantations of trees, shrubs and flowers.

Preparation of Land Important. "The preparation of the land before seeding is of the utmost importance and as a rule is absolutely neglected. Generally the soil excavation when the building was erected is spread over the surface, covering what in many instances was good soil with a poorer subsoil, and without any other preparation, the seed is planted and good results expected. Such a lawn cannot be anything but a disappointment. The weeds will start ahead of the grasses, smothering them out.

"I will try to explain how to go about preparing the soil for a lawn, supposing we are working on a piece of land as we ordinarily find it. First plow it as deeply as possible, picking out all stones, roots, large weeds and other rubbish as we go along, then harrow the land several times, continuing the removal of rocks, roots, etc., as they come to the surface. Grading is an operation easier done than explained. We should aim to follow up the natural contour of the ground, and should never try to make the lawn absolutely level, except for formal work such as terraces and tennis grounds. There is no perfect level in natural ground, but the gradations consist of very gentle curving lines joining each other almost unnoticeable to the eye. This natural effect we should try to keep."

How to Cut the Grass. Mr. Jensen tells at length how the ground should be made rich before the seed is planted, the different kinds of grass that may be used on a lawn, giving mixtures for certain locations, such as shady places, wet and bottom land and terraces and slopes. The best time to sow the seed is early in the morning or towards evening when the air is still, according to Mr. Jensen, and the best time of year is early spring if the ground has been prepared the previous fall. On mowing lawns Mr. Jensen says:

"After a lawn has been seeded and established the grass must be cut, and a very sharp and properly adjusted lawn mower should be used. If a mower is dull, or not adjusted right, it will pull up a lot of young grass. Do not cut too close, never closer than one and one-half inches, and do not let the grass get longer than four inches, for if allowed to get too long the lower parts will lose color. This holds good in spring and early summer, but in the months of July and August it is better to leave it a little longer.

Too Much Watering Ruins Lawns. "Watering is important, but I dare say more lawns are ruined by too much water than by not watering enough. When it becomes necessary to water, apply enough to thoroughly saturate the soil to a good depth, then do not water again until the soil really needs the water. If watered too much the soil becomes sour and unfit for the growth of grasses. The general practice is to give the lawn a daily sprinkling, saturating the ground only an inch or so; this practice leaves the subsoil in a very dry condition and the roots will naturally have a tendency to be drawn toward the moist soil near the surface, exposing them to the hot sun, which results in injury if watering should happen to be neglected for a short time."

Then the writer tells of weeds and how they should be removed, of how

WEATHER IS UNSETTLED

But Probably Generally Fair, Is the Forecast.

The forecast for Columbia and vicinity is: "Unsettled, but probably generally fair weather tonight and tomorrow."

The temperatures today were:
7 a. m. 68 11 a. m. 76
9 a. m. 70 12 noon 78
9 a. m. 71 1 p. m. 83
10 a. m. 74 2 p. m. 80

to fight crab grass, of fertilizing, of lawn pests, and of lawn tools.

What to Do With Old Lawns.

"The question often is asked," says Mr. Jensen, "What can I do with an old lawn? That depends a good deal on the condition of the lawn. If it is in a poor condition, full of weeds, uneven or exhausted, the best thing is to make it anew. If it is in a fairly good condition, begin by removing all weeds, fill up the hollows and depressions with good soil, scarify the surface with a sharp iron rake and seed the entire lawn. Less seeds are used for this purpose than for sowing an entire new lawn; the amount will depend upon the condition of the old lawn. Fertilize and use the roller often. In this way it is often possible to get the old lawn into a good condition.

"The making of a good lawn is not the work of a season and no rules can be laid down which will exactly suit all locations and conditions, but if these general directions are followed, one can expect his lawn to improve steadily as the years go by."

Mr. Jensen, according to W. L. Howard, secretary of the State Horticultural society, is one of the best authorities on lawns and landscape work. The article by Mr. Jensen, besides being printed in the annual report, will be printed in bulletin form and will be mailed to anyone in the state upon receipt of a request at the secretary's office.

FEWER CARRIERS NOW

Post Office Department Is Reducing Expenses of Vacations.

On account of the lack of funds in the United States Post Office Department, arrangements have been made over the country to economize in the allowance of vacations which are granted each year to all the post office employees. The plan was presented to E. A. Remley, the postmaster at Columbia, yesterday by L. A. McGee, a post office inspector, and the vacations that will be allowed this year in Columbia will be managed in a different way than ever before.

There are nine city delivery routes in Columbia, and it is planned that three carriers will be excused at a time, two substitute carriers taking their places. By this plan, eight carriers will cover the territory of nine regular carriers, one carrier's salary being saved. Each carrier is allowed fifteen days for his vacation, and as some of the men in Columbia are already on leave, the whole period of the new arrangement will last about two months. The absence of the students and many of the residents in the summer time makes the work of the carriers easier, and it is thought that the covering of nine routes by eight carriers will not work a hardship on any. By this plan, the salary of one carrier for two months will be saved, or about \$150.

All the carriers will be in Columbia, ready to go to work, about one week before school opens in September, allowing them time to get started for the rush of mail that continues during the winter. The plan was suggested by the inspector, and improved upon by the some of the carriers at the post office, the arrangement of using two substitute carriers for three regular carriers being the addition to the inspectors' idea. All the post offices in the United States will be required to make some sort of saving this summer in the matter of allowing vacation. The men receive full pay during the time they are off duty.

Returns From Graduate School.

B. H. Doane, assistant in farm management in the College of Agriculture, returned today from Ames, Iowa. He has been attending the graduate school conducted by the United States government there.

Visited F. S. Putney Here.

F. W. Christensen, assistant professor of chemistry in the Pennsylvania State College, left Columbia today after visiting F. S. Putney, assistant to Dean Mumford of the College of Agriculture.

\$500,000 SAVED WITH \$5,000 INVESTMENT

Hog Cholera Serum Netted Half Million Dollars to Farmers of Missouri.

40,000 DOSES SENT OUT

College of Agriculture Hopes to Stamp Out Disease in Next Two Years.

On the single item of pork the College of Agriculture of the University of Missouri has saved the people of Missouri \$500,000 in the last year, according to the statement of F. B. Mumford, dean of the college, this morning. The saving of half a million dollars has been made with an appropriation from the state legislature of \$5,000.

The saving was through the prevention of hog cholera by inoculating cholera serum into sick hogs. In the year ending June 30 the College of Agriculture sent out 40,000 doses of the serum to 500 farmers in Missouri. Of the hogs inoculated, 85 per cent were saved.

Sent to Only Half Who Asked.

It has been impossible for the department to send the serum to all the farmers who have written for it. The 500 supplied is just half the number that have asked. The serum has not only been sent free to the farmers, but a man from the university has been sent out to do the inoculating. Ten or twelve men have been doing the work, part working here to produce the serum and the others on the road giving the treatment.

To produce the 40,000 doses of the serum the blood of seventy-five hyper-immune hogs has been used. Ordinarily one inoculation to each cholera case is sufficient.

For Larger Work Next Year.

It is planned to have 200 hogs from which to obtain the serum next year. A building is now being built which is to be used exclusively as a laboratory for work with the hog cholera serum. It is expected to have a supply sufficient to meet the demand. A charge of 30 cents a dose is to be made. This is necessitated because of the small appropriation from the legislature. The price is just three-fourths of the cost.

"Within two years we hope to stamp out hog cholera completely in this state," said Dean Mumford today.

MOBERLY GETS CONVENTION

Postmasters of State Will Go There—Had Considered Columbia.

The state convention of postmasters will be held at Moberly in September. The secretary of the Commercial club, E. B. Cauthorn, received a letter from the president of the organization some time ago, asking what Columbia had to offer for a convention of this kind, stating that Columbia had been thought of as a desirable place for holding their annual meeting. He received a letter several days ago stating that Moberly had been chosen.

SPEAKING AT ROCHEPORT TODAY

Many From Columbia Attended Picnic And Barbecue There.

More than a hundred people from Columbia attended the campaign speaking at Rocheport today, going by automobile and a special train provided by the Missouri Kansas and Texas railroad. The train left at 9:30 this morning and will return at 6 o'clock. In addition the speaking, an all-day picnic, a barbecue and a fish-ry were provided for the entertainment of the visitors.

MAX MEYER TO RETURN

Professor of Experimental Psychology to Arrive in Columbia Sept. 18.

Dr. Max Meyer, professor of experimental psychology in the University of Missouri, has written to friends in Columbia that he will return to the University about September 18.

Dr. Meyer has been in Berlin the past year doing psychological research work. He is writing a book on a special phase in general psychology.

Entertains For Miss Fuqua.

Miss Linnie Walker, the daughter of H. R. Walker on 805 Elm street, entertained a number of her friends this afternoon in honor of Miss Frances Fuqua of St. Louis, the guest of Miss Katherine Jones.

A. H. Douglas Is Visiting Here.

A. H. Douglas, a former student of agriculture in the University of Missouri who is now a chemist for the Kansas City Fertilizer Company, is in Columbia on a visit.

HORSES HERE FOR BOONE COUNTY FAIR

Racers Stabled in Columbia Awaiting Season's Opening in Missouri.

A CARLOAD NEXT WEEK

Stalls for Large Number of Entries Finished—Track Nearly in Shape.

About twenty-five of the horses that will run during the Boone county fair, July 26, 27, 28, and 29, are in Columbia and more are arriving every day. The fair here is the first in the Missouri racing circuit, and for that reason, many of the horse men are bringing their racers here to await the opening of the season in Missouri.

Four horses that will be entered in the running races were brought to Columbia from Sturgeon by R. F. Keith, today. A carload of harness racers are expected early next week from Wichita, Kan. Most of the horses that will run will be in Columbia by the middle of next week, according to B. E. Hatton, secretary of the fair association. There are 219 horses that are expected to start in races at the fair.

Barns Will Be Filled.

The additional stalls for the accommodation of the large number of entries this year, have been finished and are ready for use. The barns will be filled to their capacity this year for the first time, according to the number of horses that are scheduled to be at this fair.

The work on the track is being pushed as rapidly as possible and, according to the members of the association, it is in finer condition than ever before for this time in the season. The rainfall, they say, has been distributed evenly enough to allow the work of rolling and grading the curves and stretches to be done in first class shape. The horses that are in Columbia at present work out on the track every day.

Side Shows Are Listed.

The work of billing the fair over the county was finished yesterday by two men sent by the association. The advertising matter sent out was in the form of bills, cards and catalogs.

A number of the concessions have already obtained permission to operate their booths, but so far nothing but the regular line of fair side-shows has been listed.

TO WORK FOR MILL-TAX

Teachers in Summer Session Will Organize Campaign by Districts.

The second meeting of the school teachers attending the summer session of the university who are interested in the mill-tax amendment will be held in the University Auditorium next Friday night, July 22. Prof. F. B. Mumford, dean of the College of Agriculture, and others will address the teachers at this meeting.

Three teachers from each congressional district outside of St. Louis, Kansas City, and St. Joseph, have been selected to correspond with the school teachers, voters, and friends of the University in their districts. The teachers in the University this summer are trying to get the state organized before the fall election.

Before the summer session closes a mass meeting of the students will be held to arouse interest and enthusiasm for the adoption of the mill-tax amendment, which is known as the "Amendment Number Eleven." On this occasion members of the faculty and some of the leading alumni of the state will speak.

MORE MONEY FOR STREET SIGNS

\$167 Raised to Place Name Plates At Street Corners.

More than one-half of the money needed to buy a street sign for each of the 330 street intersections in Columbia has been pledged to the secretary of the Commercial club, E. B. Cauthorn. The amount pledged to date is \$167. The amount required is \$300. The Commercial club has made arrangements with the proprietors of the Star Theater to give a benefit performance some time next week, the returns to be used to complete the fund.

PROF. M. F. MILLER IN GERMANY

is Studying Agriculture in Rural Districts.

Prof. M. F. Miller, professor of agronomy in the University of Missouri, writes from Gottingen, Germany, to A. P. Weiss that he is getting along well with his study in Germany. Prof. Miller is making a study of the agricultural conditions in the rural districts of Europe. Before returning home in the fall of 1911 he will travel in France and Italy, and probably in Russia, studying the conditions of those countries.

Prof. Miller says his greatest difficulty at present is with the language. The family with which he is staying in Gottingen knows but little English and Prof. Miller is just learning German. But he says he likes the Germans and Germany.

NO LUNCHES ON GOLF LINKS

Sign Posted Prohibiting Picnic Parties Using Grounds.

A sign warning picnic parties to stay off the golf links of the University of Missouri has been placed on the gate at the entrance to the lane leading to the links. The placard also says the serving of lunches on the links is prohibited.

The notice is signed "Director of the Summer Session." Persons living in the south part of town frequently have taken lunches to the golf links this spring to enjoy an outdoor meal. These persons often leave paper and scraps on the grass, and it is for this reason, it is said, the notice was posted.

TO BUILD IN 2 YEARS

Work on Kansas City-St. Louis Electric Road to Begin in September.

Work on the proposed Kansas City-St. Louis street railway will begin in September, according to Charles A. Loomis of Kansas City, general solicitor of the road.

"The money to build the road should be available by September 1," Mr. Loomis said to a reporter for the Kansas City Star. "The contracts will be let and work will be started immediately after that. It should take from eighteen months to two years to build it. The road will cost about 12 million dollars. We have arranged to enter Kansas City and St. Louis, but I cannot give the route because we have more property to purchase."

The Commerce Trust Company of Kansas City has been named as trustee for the bondholders. As the money is paid in Europe for the sale of the bonds it will be deposited here. This precaution is taken to insure the investment of the money in the building of the road and equipment.

The promoters of the proposed electric railroad lived originally in Denver. D. C. Nevins, the president of the St. Louis-Kansas City Electric Railway Company, who came from Paris that he had placed a bond issue of 15 million dollars there to build the electric road in Missouri, came to Kansas City from Denver, where he was general attorney for the Pacific & Idaho Northern Railway Company. H. E. Insley, secretary and auditor of the company, formerly was the purchasing agent for Denver. Henry V. Johnson, treasurer, once was mayor of Denver and United States district attorney for Colorado. John Berkshire, first vice-president of the railway company, is president of the Berkshire Lumber Company of Kansas City and vice-president of the National Bank of the Republic. B. L. Dorsey, second vice-president, is a railroad contractor and coal mine operator at Alton, Ill. James H. Reeder, ex-judge of the Twenty-third Judicial District of Kansas, is assistant general solicitor. These are the directors:

W. Weston, mining engineer, member Institution of Mining and Metallurgy of London, Denver; W. D. Griffith, vice-president of the Charles D. Griffith Shoe Manufacturing Company, Denver; George A. Anderson, mine operator and capitalist of Glasgow, Scotland, and Denver; R. S. Mahan, general manager real estate department Central Trust Company, Denver; W. A. Hamilton, attorney and counselor at law, Chicago; C. W. Reeder, Hays City, Kas.; Daniel F. Lewis, vice-president United States Title Guaranty and Indemnity Company, Brooklyn, N. Y.; P. H. Rea, banker at Marshall, Mo., and director of the Chicago & Alton Railroad Company; Charles Hofer, president of the Higginville National Bank, and Shirley Moore, a Kansas City real estate dealer.

NO NEED OF POLICE FOR THIS OFFENDER

Negro's Third Attempt to Give Himself to Authorities Was Successful.

LOCKED UP BY A WOMAN

Surrenders at County Jail After City Holdover Closed Against Him.

After two attempts to give himself up to the police were foiled because the police station was locked, and the officers were out hunting him, Robert Williams, a negro, hurried to the county jail about 10 o'clock last night, and in the absence of Sheriff Wilson Hall, asked Mrs. Hall to lock him up because he had shot another negro, Ed Reeves, in the leg, after a quarrel near the Missouri, Kansas and Texas station. And she did.

With the revolver in his hand, he first chased to the police station after the shooting, but the only officers on duty at that time, who had already heard of the trouble, were gone, and the doors were locked. He started back to the scene of the shooting, but preferring to give himself up without a public demonstration, he returned to jail, only to find it closed against him. The only other resort he knew of where law breakers are welcomed was the county jail, across the street, so he hurried there.

He was met at the door by Mrs. Wilson Hall, wife of the sheriff of Boone county. Stating his trouble he asked that he be locked up, but she told him that Mr. Hall was not at home. That made no difference with him, and throwing aside any possible aversion to being arrested by a woman, he asked that he be placed behind the bars. She complied with his request, and leading the way to the jail door, she allowed him to enter and locked the door behind him.

Williams will remain in jail until the next term of circuit court, when he will answer the charges. The cause of the trouble between him and Reeves could not be learned by the police.

WERE CHILDHOOD SWEETHEARTS

Former Christian College Girl Was Married in St. Louis Yesterday.

Miss Mae Bratton, a former student at Christian College, was married in East St. Louis yesterday. The St. Louis Times printed a picture of Miss Bratton, with this story:

Foiling the efforts of their friends to learn of their wedding plans, Miss Mae Bratton, daughter of the late John S. Bratton, and Thomas Jefferson Daniel, Jr., who have been sweethearts since childhood, were married in the First Presbyterian Church, East St. Louis, at 10 o'clock Thursday morning, and will depart for Yellowstone Park to spend their honeymoon. The ceremony, performed by Rev. William E. Archibald, was witnessed by only the immediate relatives of the couple.

Mr. and Mrs. Daniel have been sweethearts since they were 8 years old, and nearly all of their studies were pursued together since they met in kindergarten, until a few years ago, when Miss Bratton entered Christian College, in Columbia, Mo.

They are great lovers of the horse, and have taken prizes in riding and driving in horse shows in St. Louis, New York and Philadelphia. Two years ago, at the Horse Show in St. Louis, Daniel's entry was defeated by one driven by his bride.

Mrs. Daniel, in addition to being a splendid horsewoman, possesses a magnificent soprano voice. Her uncle, George Murray, a well-known theatrical man, who now is in Europe, negotiating to bring Sarah Bernhardt to the United States, for several years has urged his niece to appear in opera.

Daniel, a son of Thomas Jefferson Daniel, a retired horseman, is connected with the Evans-Solder-Buel Company at the national Stock Yards. Mr. and Mrs. Daniel will reside at 714 Summit avenue.

MARKET REPORT.

NATIONAL STOCK YARDS, Ill. July 14.—The market quotations, as furnished by the Bright Live Stock Commission company, are:
Cattle—1,000; steady; nothing good here.
Hogs—steady; top, \$9.35.
Sheep—16 cents lower. No good lambs here.