DETAILS OF ROAD MAKING.

Construction, Maintenance and Water-

ways Are Difficult Problems.

himself of the information necessary

A properly designed waterway struc-

Waterway sufficient to carry off

promptly the water coming to it; prop-

er foundations to bear the loads, resist

undermining and give long service; su-

perstructure designed to bear for a

long period of years any load which

may legally be imposed upon it, and

so constructed as to serve the comfort

and convenience of travel and economy

FLAGS FOR ROAD PATROL.

European Plan Adopted to Keep High-

way Repairers at Work.

Eight hundred white flags inscribed

"S. H. D. Patrol" are flying on the

highways of New York state, marking

the places where the men engaged in

repairing roads are at work, according

to a plan of Commissioner of High-

ways John N. Carlisle. Many com-

plaints have been made regarding the

failure of patrolmen to care properly

for the highways, and under the new

plan Commissioner Carlisle hopes to

make the patrol service more effective.

The flag system has been adopted

from the European countries, where

the maintenance of highways has be-

come more of an exact science than it

is in America. The display of the little

white flags along the highways abroad

has had the effect, Commissioner Car-

lisle says, of making patrolmen more

officient, as the failure on the part of

the citizens of those countries to see

the flags usually is reported to head-

Poor Boy.

himself since his marriage to be ter-

"They say your son is permitting

"Yes, I'm afraid the poor boy has in-

berited all his father's weaknesses."-

Knowing and Telling.

"I don't object to a man tellin' all

he knows," said Uncle John, "if he

Lady Baltimore Cake

The Most Popular Cake This Season

By Mrs. Janet McKenzie Hill, Editor of

This is considered by many cooking

the Boston Cooking School Magazine

authorities the finest cake that can be

made, though in reality it is not at all difficult.

K C Lady Baltimore Cake

One cup butter; 2 cups granulated sugar; 1 cup milk; 1 teaspoonful rose water; 3½ cups flour; 3 level teaspoonfuls K C Baking Powder; whites of 6

Cream the butter and beat in the sugar

gradually. Sift together, three times, the flour and baking powder, and add

to the butter and sugar, alternately with

the milk and rose water. Lastly, add the egg whites. Bake in three-layer cake

pans. Put the layers together with the following frosting.

Nors—The cake is a large one and sells at Women's Exchanges for \$1.50.

Prosting for Lady Baltimore Cake

Stir the sugar and water until the

sugar is dissolved, then let boil without stirring until the syrup from a spoon will spin a long thread; pour upon the whites of the eggs, beaten dry, beating constantly meanwhile. Continue the

beating until the frosting is cold; add

The K C Cook's Book contains ninety just such delicious recipes.—bread, muffins, cakes and pastry. You can secure a copy free by sending the certificate packed in every 25-cent can of K C Beking Fowder to the Jaguzs Mro. Co., Chicago Small cans do not contain Cook's

the fruit and spread upon the cake.

quarters.

ribly henpecked."

eggs, beaten dry.

Chicago Record-Herald.

honestly knows all he tells."

ed on the road."

of maintenance.

quirements:

CONTAINS

steel blades and waterproof handles

One high grade Can Opener, tempered cutter

SPORT DOPE GRAVEL VERSUS CONCRETE DO

RECORD TEAM PROSPECT GOTCH HAS CHALLENGE Each One Best In Its Proper

TO BEST YEAR

The Oregon City High school basketball team has been hard at work with almost daily practice for close to two weeks and by Saturday the final team will have been picked. Coach Wagner is enthulastic about the prospects for the coming season and predicts that the local school will make a record in Clackamas county this

Several games are scheduled with other schools in the county but none will played until after Christmas. In all the season there will probably be

12 or 14 games. The team will be composed of the following men: C. Beatie, Clyde Green, J. Beatie, Clarence Orem, John Roak, Arthur Farr, Albert Vorhies and Lyle Kellogg, according to a statement by Wagner Wednesday. The position of the men has not yet been aunounced and this list includes those who will be subs as well as the play ers of the regular team.

PARTY TO WELCOME RETURN

CHICAGO, Dec. 17.-President Ban B. Johnson, of the American League, and a party of Chicago baseball enthusiasts will travel to New York on a special train next March to welcome back to this country the world-touring Chicago White Sox and New York Giants, according to place announced The party will leave here on 5, arriving iin New York the next day in time to meet the tourists on their arrival.

McLOUGHLIN ELECTS

To a close vote Wednesday afternoon McLoughlin Institute football team elected Mitchel Storey captain for the 1914 season and Joseph Miller for manager. These boys were the stars for the 1913 season and will probably be the backbone of next

SPORTING BREVITIES

Matty McIntyre, former White Sox outfielder, who played with Providence last summer, is seeking to man- CUB STAR OUT OF FRATERNITY age a minor league team next year. Bill Sweeney says he doesn't want to manage the Cincinnati Rods, which shows that Johnny Evers is not the only brainy second baseman.

Ty Cobb says there is no such thing as a batting eye. Ty always did like to kid the pitchers.

St. Louis Cardinals, will so south in the spring with the New York Giants to fill the place formerly occupied by Wilbert Robinson.

President Baum denies the report that he has signed an umpire by the six weeks, said Fultz name of Hayes, or anyone else for next season. He says that Held, Mc- were notified that their names had Carthy, Finney, Pfyle and Guthrie will been removed from the membership be on the job next year and that he will not send contracts to the umpires until after the holidays

Spiegel, the Washington and Jefferson halfback, scored 21 touchdowrs for a total of 126 points during the

QUEER GREETINGS.

Tribes That Spit Upon or Weep Over Their Visitors.

Among the Masai and Ukerewe it is a mark of respect to greet an acquaintance or a stranger by spitting at him. Almost as strange is the custom ascribed to the Tibetans of sticking out the tongue by way of salutation. Rubbing noses is quite common; the Burmese and many tribes of Eskimos, Laplanders and Malays do so.

Stranger than any of these customs is the weeping salutation that has been observed among central South American Indians. This form of greeting occurs, too, in the Andaman islands, New Zealand and Polynesia. A Portuguese explorer describes the custom as he saw it used among a tribe of South American Indians:

"Whenever a guest enters a hut he is immediately honored and made welcome by being wept over. Without a word being spoken he is led to the hammock. As soon as he is seated the hostess and her daughters and any of their girl friends who happen to be in the house at the time come and sit about the guest, touch him lightly with their fingers and commence to weep loudly and to shed many tears. During this ceremony. in a sort of connected discourse, they recite everything that has happened to them recently and talk of the hardships of the road that the visitor has suffered and of anything and everything that can arouse compassion and tears. The guest, his hand before his face, pretends to weep and does not speak until the crying has gone on for some time. Then they all wipe away their tears and become as lively and merry as if they had never cried in all their lives."-Exchange.

HIGH SCHOOL LOOKS FORWARD MAMUTOFF WANTS TO MEET FRANK GOTCH

> Ivan Mamutoff is the latest importation of foreign wrestling material. He is a muscular, big Russian, employed as a member of the czar's bodyguard. Mamutoff is best at the Graeco-Ro-

> man style, but will meet Frank Gotch.



Photo by American Press Association IVAN MAMUTOFF.

the American champion, in any style of mat work that Gotch favors. Gotch will, it is said, come out of his retirement to meet Mamutoff. The Russian is over six feet tall and

weighs almost 300 pounds.

Zimmerman Fails to Pay Dues to Players' Organization.

Heinie Zimmerman, the hard bitting third baseman of the Chicago National league club, is no longer a member of the Baseball Players' fraternity. David Dick Kinsella, former scout of the L. Fultz, president of the Players' organization, confirmed a report to this effect, explaining that Zimmerman had been dropped in July after failure to pay his dues. Zimmerman owed for

> Others also financially delinquent stated after their application proved by the advisory board. Zimmerman can join again by applying formally for reinstatement, but, according to Fultz, the Chicago player has not evidenced any desire to do so. Fultz attributed Zimmerman's attitude toward the fraternity as ind-fference and not as meaning that he was hostile to-

Be Careful, Mac. President McAleer's plans to travel around the world with an all star baseball club are likely to be upset owing to the fact that his Boston Red Sox are balking over their contracts for 1914.

THE HOUSE BEAUTIFUL.

Still one thing remains to furnish the house beautiful, without which guests and books and flowers only emphasize the fact that the house is not a home. I mean the warm light in the rooms that comes from kind eyes, from quick, unconscious smiles, from gentleness in tones, from habits of forethoughtfulness for one another all that happy illumination which in the inside of a house corresponds to morning sunlight outside falling on quiet dewy fields. - William Channing Gannet.

Lights Were Out.

The stranger was driving his auto through the crowded thoroughfare of Boston. It was night. At the corner of Tremont and Boylston a large traffic cop halted the stranger. Walking

over to the car, the cop said: "I should like to call your attention to the fact that one of your forward irradiators is shrouded in gloom and the effulgence of the illuminator has evanesced and that the transversal ether oscillations in your rearmost incandescencer have been discontinued.'

OPENS UP NOSTRILS, CLEARS HEAD, ENDS COLDS OR CATARRH AT ONCE

Nose, Head, Throat—You Breathe Freely—Dull Headache Goes— Nasty Discharge Stops.

Try "Ely's Cream Balm." Get a small bottle anyway, just to

try it-Apply a little in the nostrils and instantly your clogged nose and stopped-up air passages of the head will open; you will breathe freely; duliness and headache disappear. By

Instantly Relieves Swollen, Inflamed | grant balm dissolves by the heat of the nostrils; penetrates and heals the inflamed, swollen membrane which lines the nose, head and throat; clears the air passages; stops nasty discharges and a feeling of cleansing, soothing relief comes im-

mediately. Don't lay awake to-night strug-gling for breath, with head stuffed; nostrils closed, hawking and blowing. Catarrh or a cold, with its running nose, foul mucous dropping into morning! the catarrh, cold-in-head the throat, and raw dryness is discattarhal sore throat will be gone. tressing but truly needless.

End such misery now! Get the small bottle of "Ely's Cream Balm" "Ely's Cream Balm" and your cold at any drug store. This sweet, fra- or catarrh will surely disappear.

For Sale By HUNTLEY BROS. CO.

Place, Says Expert.

BUILDING METHODS BETTER.

For All Kinds of Country Traffic the Gravel Highway Is Excellent, but It Is Impracticable In Suburban Towns. Lasts Five Years.

By FRANK F. ROGERS, State Highway Commissioner of Michigan.

Farmers who have been building the old fashioned gravel roads in counties where the traffic is not great need not lose any sleep for fear that they have been doing the wrong thing. A gravel road is plenty good enough for all ordinary country traffic.

Wayne county, Mich., has the most elaborate and extensive system of concrete roads in the world. The tests of the state highway commission were made just outside the city limits of Detroit on several roads and also on the county line, from a dozen to a score of miles farther out. The result was very good news for the ordinary road builders, who haven't a fortune to spend on the work, but bad news for the manufacturers of concrete making machines.

A three months' daily count of the vehicles on a road just ontside Detroit gave an average of 2.160 daily. At the county line the average was only slightly in excess of 300. At the county line the road was gravel and withstood that much traffic with practically no damage. As Wayne county has al most three-quarters of a million people and a correspondingly large traffic, the deduction is that in the vast majority of counties in the United States gravel roads will serve all necessities for many years to come.

But a gravel road near Detroit would be worse than useless. Wayne county is not making a mistake in building concrete roads. Neither will any other



READY TO LAY THE CONCRETE.

county in any state where the traffic is beavy make a mistake in building them. A gravel road near any large city wouldn't last three months. Gravel roads under ordinary traffic

will last five years. Methods of making concrete roads seem to have improved largely within a few years. The concrete is laid in

sections about twenty-five feet in width. A road made four years ago was found by inspection to be 76 per cent defective after a year's use. A road made in 1912 suffered only 27 per cent in a year. The defects found in the roads were not ascribed to traffic. Near Detroit

89 per cent of the traffic is in automobiles and only 11 per cent horse drawn. Automobiles do not injure concrete. The defects are cracks and holes, due to careless construction. The commission found that in places where the road had for its foundation the original highway the concrete had remained perfect. Where it had been built upon filled in foundation the filling in had not been made solid enough. The result was longitudinal cracks extending practically the entire length of the filled in stretches.

Transverse cracks were found singly and infrequently. They were ascribed to lack of sufficient space between the section to allow for contraction and expansion caused by heat and cold. Diagonal cracks, also infrequent, are due to a combination of both the faults which cause the longitudinal and transverse cracks. Holes are due to foundation substances such as clay, wood or uncrushed rock having been imbedded in the concrete when it was soft.

It is thus shown that no one kind of road is good for all conditions. The concrete road and the gravel road are the extremes of roads good enough to be called good. There are other kinds of intermediate quality of resistance to traffic. The kind that ought to be built in any locality depends upon the amount of traffic they will have to sustain and the cost of getting the material there. The latter item might be so great as to fall to justify the kind of road which other circumstances would call for. The soil and the drainage must be considered.

Concrete roads are easily and inexpensively repaired. The method is to pour tar in the cracks and holes and sift sand over it. This patching seems to be permanent and costs from \$30 to \$100 per mile.

Hard Workers. Only one in 10,000 can be a genius,

but any one can be a bard worker. which pays better. The biggest business men are nothing more than the best workmen who have been promoted. The world is full of three-quarters men. They are three-quarters industrious and cannot get all the way. A man should know his job thoroughly and fill it with enthusiasm. His work is his backer, his source of credit, his hope of prosperity and distinction. Be as careful of your job as you are of your note in a bank.—Howe's Monthly.

CLARKES.

Mr. and Mrs. W. H. Wettlaufer were in town on business last Friday. Mrs. Henry Kleinsmith went to Ea-"Of all the factors which go to make gene Thanksgiving to visit her mothup the perfect macadam road," says er, Mrs. Washburn.

Logan Waller Page, "there is un-Mr. Eugene Cumins and family doubtedly none more potent than that moved to Portland the other day. of the suitability of the material which Clarkes band gave a fine social on enters its construction. There are two last Thursday night and they are doways in which the engineer may avail

Clarkes school is going to have a to a proper selection of road mafine program for Xmas and also a terial. The first and only certain one Xmas tree and the band will play too. is to make an actual service test on Our supervisor J. Putz is working on

the material under observation and the road in Timber Grove. under the same conditions of traffic Mr. Bottemiller is plowing and is and climate to which the proposed getting ready to sow wheat. road will be subjected. The second

Mrs. Hepp has gone to Portland on method is by means of short time laboratory tests to approximate as near-Mr. Kleinsmith purchased an auto-

ly as possible the destructive agencies to which the material will be subject-Miss Lillian Bonfigt spent Thanksgiving at home in Sherwood, Ore. Capt. A. M. Elmer, of the Salvation ture should fulfill the following re-Army and the Lieutenant preached

The manufacturers of Meritol Rheu-

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If you send in a year's subscription to the OREGON CITY ENTERPRISE. It makes no dif-

ference whether it is yours or your neighbor's, or whether it is new or old. Send in the sub-

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these and the offer will close December 31 unless we run short before that time.

last Sunday evening in the M. E.

READ THE MORNING ENTERPRISE—IT HAS THE NEWS.

Christmas Wines and Liquors

AT HALF PRICE

KENTUCKY LIQUOR CO.

Cor. 5th and Main Streets

BRING YOUR JUGS

Miss Elda Marquardt and Elda

Zwahlen visited the Timber Grove school last Thursday. Mr. Stout is doing some carpenter work for Ed Buol. He is fixing his

house up now. Miss Irene and Erma Lee went to town to stay. Mr. Sam Elmer is plowing and is get ting ready to sow grain.

Mr. William Kleinsmith is sawing

Mr. Buol was on the sick list but s some better now.

A FAIR PROPOSITION

matism Powders have so much confidence in this preparation that they authorize us to sell them to you on a positive guarantee to give you relief in all cases of rheumatism or refund your money. This is certainly a fair proposition. Let us show them to you. Jones Drug Co., exclusve agents .-

Undertakers are men who follow the

nad salicinated of Mayr's Wonderson dose dose of Mayr's Wonderson dose of Mayr's Wonderson doserhous Stomach Allments sent free by Geo. J. Mayr, Mig. Chemist, 154-156 Whiting St., J. Mayr. Mig. Chemist, 154-156 Whiting St.,

(For Sale in Oregon City by Huntley Bros Co.)-Adv.

A vivid imagination is as dangerou

If You Wish To Obtain Compiste

Mayr's Wonderful Stomach Remedy

One Dose Will Convince You

and Permanent Results Try

as a little learning.

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WARMER TOASTER FLAT IRON TABLE LAMP PERCOLATER **CHAFING DISH CURLING IRON** TABLE COOKER

All these and many other Electrical Appliances are on display at our Main St. Store. Help lighten her work by giving her one of the many labor saving electrical devices that we carry.

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