Machinery Second-Hand Machin-ery bought, sold and exchanged: englines, bollers, sawmills, etc. The J.E. Martin Go., 83 1st St., Portland. Send for Stock List and prices,

Also Land Plaster, Lime, Cement, Wall Plaster and Shingles. Write for prices. NOTTINGHAM & CO. PORTLAND, OR

## MAKE CHRISTMAS MONEY

Boss and Girls wanted to manufacture and sell Perfection Furniture Polish. Agents pay 15c. Retails 25c. Send 50c for formula and directions. Material costs Sc. Artis Mfg. Co., Dept. G, 311-12 Bernice Bldg., Tacoma,

### When in PORTLAND stop at NEW SCOTT HOTEL

Large, light rooms; steam heat; big lobby; clean and orderly; close to business section; best place for family in city. ROOMS 50c UP. Seventh and Ankeny Streets Convenient from All Depots by Streetcar.

### SAVE MIDDLEMAN'S PROFIT

of \$100 or more by buying your Piano or Player Piano direct from factory store.

BUSH & LANE PIANO COMPANY 355 Washington St., Portland, Or.

### TURKEYS WANTED

We want dressed Turkeys, Ducks and Geese for Thanksgiving trade. Write for our print-ed booklet on dressing and marketing to get highest prices. Write today. We also want Veal, Pork and all kinds of Live Poultry. F. H. SCHMALZ & CO.

Paid-up Capital \$10,000. Portland, Orego 141-143 Front Street

### **Economical Lighting Co.** Gasoline Hollow Wire Lighting Systems Mantles and Glassware

Mantles for Canchester, Aladdin, all the different makes of Kerosene Mantle Lamps. Junior Rag Mantles 60c per dozen. Write us.

597 Williams Ave., Portland Agents Wanted.

Insane Asylums. The great Greek physicians had desoftary instance, arising from exigencies of a single class, and it may be said that no lunatic asylum existed in Christian Europe until about the time of the fifteenth century.

Daniel In Second Place. Little Willie's grandmother had been telling him Bible stories. his favorite being that of Daniel in the lions' den. At the age of four he was taken to a circus for the first time. When the lion-tamer put his head into the lion's mouth little Willie's excitement knew no bounds. Jumping up and down, he gleefully screamed: "Oh, my! That knocks the spots off

Courage of Their Opinion. Thirty-five is a very attractive age. London society is full of women who of their own free choice have remained thirty-five for years.—The Tatler.

His Line of Work. "Sam, have you got a job now?" "Oh, yes, sah." "What are you doing, "Why, I's gettin' my wife

washin', boss."

## Rheumatism Neuralgia Sprains

good. My knees do not pain and the swelling has gone."

Quiets the Nerves MRS. A. WHIDMAN, of 403 Thompson St., Maryville, Mo., writes: — "The nerve in my leg was destroyed five years ago and left me with a jerking at night so that I could not sleep. A friend told me to try your Liniment and now I could not do without it. I and after its use I can sleep."

# **SLOAN'S**

"Is a good Liniment, I keep it on hand all the time. My daughter sprained her wrist and used your Liniment, and it has not hurt her



PISO'S REMEDY Best Orugh Syrup. Tastes Good. Use in time. Sold by Druggists. FOR COUCHS AND COLDS

### CONSTRUCTING GOOD ROADS IN WISCONSIN



The illustration given above shows a nine-foot stone road, built on a sand foundation, near Portage, Wis.

SOLVE GOOD ROADS QUESTION

Thing to Do is to Get Every Farmer to Buy an Automobile and Problem Will Be Worked Out.

A few years ago the blcycle came into use and the good roads agitation was born. In a few years afterward the auto came. At first its home was chiefly confined to the city streets. In a few years it became a friend to the countryman and the villager, and now it is found in every section. The bicycle is passing and the auto is now serving a splendid purpose in awakening the people to a betterment of voted much attention to insanity, and road conditions, and when the farmsome of their precepts anticipated ers of the country adopt this modern modern discoveries, but no lunatic asy- way of travel there will not be any lum appears to have existed in an- great trial in getting the public hightiquity. In the first period of the ways in better condition. The thing will be solved. The autos must come before the good roads question can be solved. The auto tours that are being made throughout the country are proving to be builders of the highest order. We need more of them. Good roads associations will follow in the wake of every auto tour and these associations will improve public highways.-Lamar Republican-Sentinel.

## CAMPAIGN FOR GOOD ROADS

Fall Season Is Good Time to Take Up Question of Better Thoroughfares-Few Reasons.

Now that the fall months are here, after the crops are secured, it will be a good time to take up the matter of good roads building. This work can often be done to better advantage in the fall and winter months, or in the early spring, and where gravel or other binding material has to be used, it will pack and harden better

at this season. Another reason for the fall and winter campaign for road building is that ages. there is usually more time, and the work can be done cheaper.

No town or community can well make a better investment than by the fudicious spending of labor and money in the construction of public highways, if properly applied, and that is certainly one of the problems that Idaho needs to work out.

Uncle Sam should set the pace in this matter, and the various states should co-operate. It should, furthermore, be a perpetual campaign.-Gem State Rural.

Macadam Road Economy. I have no doubt that it will surprise most people here to learn how little material is used in the making of some of the finest roads of Europe writes Ernest Flagg in the Century. The average thickness of the national roads of France is only five and oneeighths inches; 11 per cent, of them per cent, are less than four inches are always in a perfect state of repair. Perfect repair is, indeed, essential, for it needs no argument to show

Good Roads. When will we learn that the best

man" working out his own road tax? Weeds In Corners. Fence corners full of dead weeds make fine hibernating places for all with your crop in the spring.

Having Houses Ready. Build good hog houses before bad in bad weather. A good feeding floor ture them too closely,

Poultry Breeding. To succeed with poultry breed that

## **GOOD ROADS IN TENNESSEE**

All Public Thoroughfares Laid Off Into Districts, and Then Let to Responsible Corporations.

A few years ago it was the good fortune of the editor to visit the state of Tennessee, and he was forcbly out by engineers, and the editor of bilities of the boy scout movement. maintained. We were told that the law in Ten-

nessee provided that the proper court shall lay off all public roads into convenient districts, and then let them out to responsible corporations, who enter into a contract to build and maintain a perfect highway throughout the district covered by said contract for a period of ten years, and the lessees are in the meantime empowered to establish toll gates and for building and maintaining such public roads. These are under the jurisdiction of a watchful supervisor whose duty it is to see that the road is kept in accordance with the contract, If the lessee falls to keep and maintain such road as specified in the concourt to forfelt said contract, and the road becomes the charge of the county. Each citizen of the county is permitted to buy a road permit that en-

drance. These roads are laid out by experienced engineers, and are carried around the hills and mountains so that all grades are the same and all grades are made easy of ascent. These roads are properly graded with graders and then macadamized by putting stone over the surface while the grade is new, or during the wet times, so that the sharp edges of the stones will be easily pressed into the ground and make an even, smooth surface for horses and vehicles to

travel over. ever there is a stone quarry you can see great piles of broken stone ready to be hauled upon the public roads. This stone is sold to the lessees of the roads for so much a car load.

It costs from \$2,000 to \$8,000 per mile to build these roads if no other materials used in their construc

The bridges and culverts are all constructed out of concrete and are very strong and durable, and with the proper care and attention will last for

The state levies a small tax as a sinking fund to maintain these roads after the lease expires, and to keep and maintain any districts where the

lease has been forfelted. By this system of public highways the state has a uniform system of public roads that cover the entire state and through this system the roads are kept in perfect repair, giving that accommodation that is so necessary to

facilitate our growing commerce. The slogan of the town and country should now be good roads, and people and her growing commerce.-Texas Farm and Co-Operator.

Medal for Paving Blocks.

An advance in road paving for been awarded a bronze medal by the are less than two inches thick, and 42 Royal Sanitary institute should be of more than ordinary importance, paratus and put it in commission to thick. Yet they stand constant and Clinker residue from the collection often heavy traffic with impunity, and and burning of house refuse is used for the paving blocks, and by special machinery is ground, thoroughly mixed with oil and Trinidad asphalt, that roads so thin must be free from and then pressed into blocks 9 by 4 1-2 irregularities if they are to stand at by 3 inches in size, each weighing about ten pounds. At the destructor works at Kensington more than five hundred blocks an hour are made. They are passed directly through a way to make good roads is to hire the water-cooling process, and are then ditching, drawing and dragging done ready for immediate laying. Some of by competent men, instead of the the blocks under test have been laid present bungling system of "every over four years. They have not only provided an exceedingly durable and noiseless pavement, but it is claimed that they are sanitary and take little scavenging; that they do not become slippery, and that they are not in any kinds of bugs which will get busy way affected by rain, frost, sunshine or other ordinary conditions.

Pasture for Horses. Have plenty of pasture for the weather sets in. Houses in the end brood mares and colts. If the mares are cheaper than feed at present work during the week, let them graze

and ruin the milk qualities

## Suggests the Mounting of American Boy Scouts



WASHINGTON .- Curtis Guild, Jr. American ambassador to St. Petersburg, desires to see mounted boy scouts. He believes the United States government should furnish ponies for the boys, give them instruction in boys standing in their saddles, advanchorseback riding and train them in ing in line and singing their native skill in riding and develop their hardi-

He outlines his plan in a letter to the state department, which has been referred to James E. West, chief scout executive of the Boy Scouts of America. West is enthusiastic over the scheme. The scout leaders are taking the matter up with Ambassador Guild and the officials in Washington.

Ambassador Guild got his inspiration from seeing 70 Cossack boys drill before the czar last spring. "At recent struck by the beautiful turnpikes that the emperor at Krasnoe Selo, there state. These roads were properly laid as it opened a new vista of the possi- the president?

teen years, left their villages and as- to again instill the love of riding?"

sembled at Lepsinsk, mounted on small and rough but hardy ponies. They marched 500 miles across coun-

try to Kabul-Sai on the Tashkent railroad where they entrained for St. Petersburg toward the end of July. "Arriving in St. Petersburg, the 70 boys rode around the city seeing the sights for several days, and they were then given a place in the grand review. The next day they gave a special drill before the emperor. The drill consisted of a little troop work in close order, of the Cossack exercises in the saddle with the pony at full speed, and ended with all the

songs." "It was difficult to say who enjoyed it the most, the few spectators or the boys themselves. It made a very pretty sight and the thought at once occurred to me: Why, if Russia can do

few dollars as a reward to some small

"The horse and all that pertains the Co-Operator was very anxious to | "Early in May some Cossack boys, thereto is fast being forgotten by the learn how these roads were built and ranging in age from eleven to four people at large. Is it not worth while

### Our Interchangeable this much for its boys, cannot Ameri-Facing, a "Wise" Idea ca at least do as well for its sons? Our Bridge Work has been brought to be highest state of perfection. The teeth a this bridge are interchangeable at will ithout removing from the mouth. "Would it not be possible out of the vast annual expenditures to devote a

troop of boy scouts-to equip them events," he writes, "in the presence of temporarily with the few things needed by a troop of boys, to give them a traversed almost every section of the was one thing of particular importance trip to Washington and let them see

## Washington's Sewerage System Pronounced Best.

WASHINGTON'S sewerage system has been pronounced the finest in the world by a party, including some of the foremost sanitary engineers. This party, which included Dr. John Watson, chief sanitary encollect such toll as the law prescribes gineer of Birmingham, England, and formerly chief sanitary engineer of Toronto; Dr. George W. Fuller of New York, author of the standard work on sewerage systems; Dr. Soper, president of the Metropolitan tract, then it becomes the duty of the sanitary engineer of Philadelphia, appropriation of \$120 was granted for monastic life a refuge is said to have been opened for the insane at Jerusalem, but this appears to have been a lem, but this appears to have been a



Drainage commission of New York nually in the District. The system City, and James C. Webster, chief was started in 1810, when an initial were escorted over the system by Su- that purpose. The present sewerage perintendent Asa E. Phillips just at system has so far cost \$12,000,000 the close of the Congress of Hygiene and the annual expenditure for sewand Demography. It was the unani- erage runs about \$350,000, and the gard. Washington is underlaid by thoroughly flushed biweekly, and then 600 miles of subterranean rivers, an dosed with mosquito oil during the average of nearly nine miles of river season. It is estimated that the avto every square mile of land. These erage cost for this treatment is about are really underground rivers, be- six cents a basin. In the hot dry seacause they take off the flowage from a son these basins, uncared for in other half dozen or so streams which used efties, hold water and offer breeding to drain through what is now the places for bugs, mosquitoes and other central portion of the city. In addi- insects. Washington can well feel tion, they handle all the drainage proud of the splendid reputation for from Washington houses and all the her sewerage system given by these immense amount of rain that falls an-! eminent scientists.

## All along the public highway where Uncle Sam Makes It Much Easier to Secure a Farm



ENEROUS Uncle Sam who for over a century has been giving away homesteads in the west through his general land office here, has decided that in order to make these lands more attractive to the prospective settlers he must make some concessions which will render them easier to acguire. As a result of the constant granting of homestead tracts, ranging from 40 to 320 acres, since the enactment of the homestead act of 1868, during which time the government has given away gratis more than 123,540,-855 acres in final homestead entries, this slogan should be echoed and rethe land office has found it had on its echoed until Texas has a system of hands lands less suitable for cultiva- proved and cultivated the land for roads that meets the demands of her tion and farming purposes than in for period of at least one year.

mer years, and consequently fewer ap-

plications for homesteads. According to the latest report of the land office there still remain to be disposed of in homestead, timber, coal, mineral and stone lands 695,401,259 acres, situated in what are commonly known as public land states. About one-quarter of these lands have been

In order, then, to induce entries on the remaining lands, congress recently passed a law providing that certain restrictions on these entries in the way of cultivation, residence, etc., be moderated so that settlers would find it less difficult to live up to the specifications set forth in homestead laws. One of the most attractive features of the new law is the three-year residence clause. This povides that in order to entitle a person to a patent upon a homestead it must be shown that he has resided on the farm for three years. Honorably discharged soldiers and sailors are entitled to claim credit for the period of service, after they have resided upon, im-

## Railroad Puts Engine In the City Fire Service

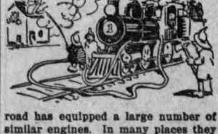
which a British engineering firm has heen awarded a bronze medal by the motive with modern fire-fighting apassist the district firemen in extinguishing flames in the railroad yards, particularly near New Jersey and

Virginia avenue. Because of the high speed of which the engine is capable and the fact that it has right of way all the time its service will be invaluable, as has already been shown by its efficiency in putting out small flames in the vards without the assistance of the municipal department. The excellent to do most of the work. No fewer switch-board service, operated from than 150 fires have been extinguished the towers, can give it right of way with scarcely any delay.

The primary use of the engine will be in the yards, but it can be brought to the Union station or elsewhere along the road if necessary. The terminal has been so constructed that water can be reached at any point in department; he gives general directhe yards.

This is not an innovation, as the drill from time to time.

The average man contains the ingredients to make fat for seven bars prices, and hogs will not do their best on Sundays. Pasture is cheap feed of soap, iron for a medium-sized nail, the usual list of queries, prior to en when compelled to sleep out of doors for all classes of stock, but don't pas sugar to fill a small bowl, sait to fill tering upon a course of treatment. a shaker, lime to whitewash a chicken coop, phosphorus to make 2,200 match tips, magnesium for a dose of Raise the best helfer calves. The magnesia, sodium to neutralize a pint first six months or year's care of the and a half of water, potassium to exwhich you like best. One must have calf determines largely the future plode a toy cannon, sulphur to rid a pride in the appearance of his birds usefulness of the cow. Here we can dog of fleas and albuminoids to make in order to become interested in them.



similar engines. In many places they have grown more efficient than the fire department and are called upon by the locomotive fire engines in the various yards and stations of the

The railroad has a special organization which becomes effective whenever a fire breaks out. The assistant chief yardmaster acts as chief of the tions in case of a fire and conducts

Periodical Drinker.

A doctor's patient in Excelsion

Springs the other day was answering

"Are you a steady or a periodical drinker?" asked the physician. "Periodical," was the reply. "How long between periods?" The poor fellow studied a mor

that he might answer correctly, and replied: City Star.

## IMPORTANT!

For the protection of the public we have brought suit against a firm of dentists near our office, to prevent them from placing our name in large white letters on the front of their building. It has taken us 25 years of conscientious, painstaking and skillful work to make THE WISE DENTAL CO. known thru'out the Northwest as absolutely reliable and at the top of the profession. We



pardized by men who with this office. We have only ONE office, and that is in the FAILING building, southeast corner Third and Washington streets. The entrance is on Third St. and an elevator carries passengers to our floor. Do not be misled, nor forget these important in-

t you can be sure you are in the right place.

PLATES, WITH FLEXIBLE SUCTION The very latest in modern dentistry. No more falling plates.

We Give a 15-Year Guarantee. 25 Yrs' Active Practice in Portland

### WISE DENTAL COMPANY

Failing Building, Southeast Corner Third and Washington Sts., ENTRANCE on THIRD ST.
Phones: Main 2029; A 2029. Portland, Oregon.

## VERMIFUGE FOR WORMS ROMAN EYE BALSAN

For Inflamed Eyelids WRIGHT'S INDIAN VEGETABLE PILL CO. NEW YORK

Hair Mussed by Lightning. Edward Kones prefers in the future to comb his own locks and wishes lightning would leave them alone. When his house, in Sullivan county. was struck the electricity plowed small furrows about his skull, taking the hair off his head in every place is looking down in the mouth. With it touched. His injuries, besides dethe scavenger, neweast, everything is stroying his hair, it is said, were picking up. The steeplejack's busi-

## DISEASES PETTITS EVE Salve

Others Could Tell Him. "Have you any object in piling up ever, things are looking up." wealth? Perhaps you have an ambition to gratify. Is there anything you wast to do?" "There is. When I am fixed financially I propose to see if there is really any money in the chicken business."-Louisville Courier-Journal.

Her Experience.

heard him use before."

Red Cross Ball Blue, all blue, best bluing value in the whole world, makes the laundress smile.

Ancients Knew of Elevators. latter, which descends into the earliest known city, is now being cleaned and put into working order for the Archpeological Congress.

Whale Whips Five Crews. The largest whale ever captured in that vicinity was caught in Fred Pereg' fish nets, near Santa Cruz. Five launches tried to tow the menster to the pier without success. Nets and ropes broke and the task was abandoned. The whale was fifty feet long.

Mothers will find Mrs. Winslow's Southing Syrup the best remedy to use for their children Juring the teething period.

"What do I want with a wife?" snorted Bachelor Bockwedder, on reading an old maid's reasons for not wanting a husband. "I have a game rooster that is vain about his fine feathers, a goat, that chews the rag, an aeroplane that gets me up in the air, and an automobile that keeps me all the time broke!"-Judge.

Unforgivable, Blobbs-"Why do those two girls ooth hate you so?" Slobbs-"I once innocently remarked that they looked alike."—Philadelphia Record.

## Coughs and Colds

You could not please us better than to ask your doctor about Ayer's Cherry Pectoral for coughs, colds, croup, bronchitis. Thousands of families always keep it in the house. The approval of their physician and the experience of many years have given them great confidence in this standard cough medicine. Sold for seventy years.

Any good doctor will tell you that a medi-cine like Ayer's Cherry Pectoral cannot do its best work if the bowels are con-atipated. Ask your doctor if he knows anything better than Ayer's Pills for coreting this sluggishness of the liver. Mode by the J. O. AYER CO., Lowell, Mass.

## NEW PERKINS HOTEL



PORTLAND, OR IN THE HEART OF THE CITY NOTE REDUCED RATES Most Centrally Located

Prognostics.

The Cinnamon Scimitar's financial editor writes: "The dental profession slight.—Philadelphia North American. ness, if he is not careful, will be falloff. In the automobile and raft road line everything is running down. The sausage and scrapple trade is on the pig. With the astronomer, how-

Red Cross Ball Blue will wash double as many clothes as any other blue. Don't put your money into any other.

To Make Tires of Paper. Experiments have recently been made in Europe looking to the utilization of paper in the manufacture of pneumatic tires, tests recently made Mrs. Bacon-"I understand one can having convinced the experimenters learn different languages from the that paper has the strength of metal, phonograph?" Mrs. Ebert — "Well, the elasticity of rubber, and a cheapsince our neighbor got his I know my ness that is to be found in neither of husband has used language I never these materials: all important qualities.

Still at It. "I wonder what has become of my husband. Three days ago I sent him That the ancient Romans knew to match a sample at a department how to works lifts is the latest discov- store. He hasn't been seen since." ery reported from Rome in connection "I saw him yesterday. He was at the with the Palatine excavations. Pre- third counter of the fourteenth aisle, Romulan remains have been found, in- and was just starting for the fourcluding 12 ancient lifts. One of the teenth counter of the third aisle."-Washington Herald.

## OH! "You Mealtime"

Do you look forward to mealtime with real pleasure or do you have that "don't care" sort of feeling? Then, by all means, try a bottle of

## Hostetter's Stomach Bitters

It coaxes the Appetite, aids Digestion, prevents Constipation, Billousness, Celds, Grippe and Malarial Diser-



PEOPLE en receive prompt trees ents of Non-Peterson. salth-building remedies C. GEE WO

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THE G. SEE WO CHINESE MEDICINE G 162 First St., Cor. Morrison

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