LAND CLASSIFICATION DETAILED STUDY OF GEOLOGICAL SURVEY

Thousands of Inquiries Concerning Latent Resources Handled Annually in Service

Washington, Oct. 25.—Question of aterial development—of the value and est use of land or of the utilization of best use of land or of the utilisation of the country's latent resources—occupy a prominent place in the public thought here days. Among such questions are those relating to the location or development of gold and silver deposits, or oil wells, or artesian water supplies; to the value of coal lands; to the possibilities of developing the water power on rivers; to the use of land for dry farming, and to the proper location of transmission lines or interurban railways. On all these questions and others relating to the earth's surface, its rocks and minerals and ores, to water and its best use, the United States geological survey is the court of last resort. In answering these inquiries the survey distributes over a million printed reports and maps each year and answers thousands of letters concerning areas not covered by printed reports. printed reports.

Inquiries by the Thousand.

Some 15,000 inquiries are received by the survey every year from the general land office as to the character of lands—whether these lands are valuable for coal, mineral deposits or agricultural use, or have any possibilities for the development of water power or reservoirs or for irrigation, as the classification of the public lands is by law made one of the primary functions of the geological survey.

To prepare these maps and reports and to answer these letters of inquiry requires an intimate, first hand knowledge of the questions involved that can be had only in the field; so that at this season of the year, the Washington of fice of the survey is almost deserted and the men are scattered from Maine to California—from the lava slopes of Hawaii to the snow fields of northern Alaska.

The work is carried on in three lines: The topographic branch makes maps showing the surface of the earth, with its streams, rivers, lakes, roads, houses, ms, rivers, iskes, roads, houses, towns-maps that are being used by the geologists as base maps by engineers to locate railroads, roads, canals, sewers or drainage ditches, water power and irrigation projects, by automobilists and trampers as road maps, and for a hundred other purposes. The demand for these maps may be judged from that most of the eastern states have appropriately.

for these maps may be judged from that most of the eastern states have appropriated or are appropriating money to help pay for them, the states paying one half or more of the cost, and by the further fact that, though the maps are sold, over half a million of them are distributed each year.

Barth's Contents Studied.

The geologic branch is studying the earth's rocks their history and contents, and, with this foundation, is mapping the whole United States so as to show, uitimately, just where gold and alliver and the other precious and useful metals do or may occur; where coal, oil, gas, phosphate, potash and other salts lie; where clays, building stones and other structural materials of the highest grade can be found. A large share of the work is in the west, where the public lands are being examined for classification. lands are being examined for classifica-tion at the rate of 10,000,000 acres a year, so that the government may know which are coal, phosphate, oil and mineral lands, and thus dispose of them under the proper provisions of law.

The water resources branch studies the underground waters for the purpose of determining their availability for domestio use or for irrigation; the surface waters to determine their amount and fitness for use as water supplies of cities and towns, and for power or irri-cation, and also makes studies bearing on flood control and similar projects.

At present a large share of the survey's funds is expended in examining and classifying the public lands in the and classifying the public lands in the west, this expenditure reducing the work in the eastern states much below the amount formerly done. In fact, a large part of the work now under way in the east is done in states that contribute one half or more of the expense of the work. It is of course to be regretted that help of course will not parmit the that lack of funds will not permit the continuance of the work in the east on the former scale and at the same time the carrying forward of the much needed classification work in the west.

GENTLEMAN BURGLAR IDEA IS GIVEN WHACK

Expert Criminologist Says This Class of Criminals Confined to Lowest Class.

Paris, Oct. 25.—The gentlemanty and scholarly burglar of a certain school of romantic fiction has been given a terrific whack by M. Xavier Guichard, formerly chief of the criminal investigation department here and leader in the chase after the notorious Bonnot band of automobile bandits, all of whom he captured. He said:

"The scholarly burglar does not exist. Burglars belong to an inferior race and very few of them are very intelligent. As a rule they are what you Americans would call the lowest of the lowbrows, and what courage they may happen to possess is due almost wholly to their feeble intellect and lack of imagination." Guichard, since the criminal investigation bureau was abolished recently, has been in charge of the Seventh district police station. His knowledge of criminals and their hebits is said to be unequaled in Europe. He said:

"Thrpught fiction writers offorts, plays and even newspaper articles, the public has come to believe that the modern burglar is a very superior person. He is believed to be a combination of romantic gentleman looking for new sensations and an up-to-date scientist to whom such obstacles as steel, armed cement, ultra-modern time looks, etc. are as cardboard. The supposition is erroneous and silly. Nothing could be further from the truth.

"In my whole career as chief of the Paris sureto (detective department) I met with but two cases in which safes had been forced by oxyhydrogen blow-lipes. Dynamits, even, I found to be rarely used and when employed usually angled things up so that the burglars and to retire emply handed. The doors of the safes were generally wedged in by the explosive tighter than they had to begin with. Few criminals take the precaution of wearing gioves, so their

NOME REFUGEE DESCRIBES TERROR OF STORM



Illustrations show general havor that was caused by wind and water.

KAISER IS PROPRIETOR

DIES SOON AFTER HIS -

WEDDING ANNIVERSARY

Asahel H. Pettit

Asahel H. Pettit, 72 years old, who re-cently celebrated his golden wedding an-niversary, died Friday at his home, 273 East Thirty-fifth street. He has been at resident of this city for 30 years, and until the last six years was actively en-gaged in business here. Failing health made rathrement pacessary. He was a native of Hanover, Ohio, Mr. Pettit is survived by the widow and three chil-dren, Mrs. B. O. Woods, of Portland;

A terrific high wind was the cause of Nome's recent destruction, according to Nat Wither, a Portland mining man, who strived in this city last week, one of the first survivors of the recent catastrophe to reach Oregon.

A 75 mile gale sweeping a sheet of water over the town crashed the frail frame houses of the Alaskan city as great as was first reported. The merchants saved 75 per cent of their

the interior he was enjoying his first good mining in Alaska for the past three years, estimates the loss at about and informed that the house was alipping into the Behring sea. With the other inhabitants of Nome he dived for on the steamship Victoria.

CHIEF OCCUPATION OF NEW YORK CITY IS TO ELIMINATE ALL WASTE

Despite Reputation for Extravagance Economy is the surrounding Big Factor in Metropolis.

(United Press Lessed Wire.)

New York, Oct. 25.—New York is the most economical city in the world. There are those who will deny this, who will shout from the housefops that it is a city of mad and riotous extravagance, a billion dollar city, a city the vocabulary of which does not contain the worl economy. They are for extravagance, a billion dollar city, a city the vocabulary of which does not contain the word economy. They are in error. Nothing is unused, from a scrap of paper thrown on the street, to a costly gown designed by some fashionable gown designed by some fashionable to collect it and those who receive it. The newspaper that the New Yorke reads and discassis today becomes the blotting ad that he uses tomorrow. The gown that is worn with distinction on Fifth avenue today is worn with hauteur a week or two hence on Tentia avenue. Millions are saved annually in the utilization of what usually is considered wasted in this big city.

Eow Garbage is Utilized.

For years the city of New York paid enormous sums to contractors for the disposal of its garbage. Today the city for it are making money. They admit it. They utilize every bit of refuse that they gather up. There are thousands and thousands of tons of coal burned in New York every year, but it does not all go up its smoke. Turned into ashes and cinders after it has served its original purpose of furnishing heat, it is simest as valuable today as when it was first mined in its "black diamond" form. It was the sahes of New York that made blocks of river front, now valued at millions of river front, now valued at millions of the sarbage of furnishing heat, it is simest as valuable today as when it was first mined in its "black diamond" form. It was the sahes of New York that made blocks of river front, now valued at millions of river front, now valued at millions of the sarbage of river front, now valued at millions of the sarbage of river front, now valued at millions of the sarbage of river front, now valued at millions of the sarbage of river front, now valued at millions of river front, now valued at millions of river front, now valued at millions of the sarbage of river front, now valued at millions.

of furnishing neat, it is almost as valuable today as when it was first mined
in its "black diamond" form. It was
the ashes of New York that made blocks
of river front, now valued at millions
of dollars and that filled up meadow
and pond and doubled the area of Governor's island.

All Waste Eliminated. The good parts of New York's castoff shoes are reborn as card cases and other novelties made of leather. Old hats are recast and sold again. Castoff clothing usually finds new expression in the higher grades of note paper.

There is one organization in the city which makes it a business to collect old magazines and periodicals. The old magazines and periodicals. The sale of these last year netted the organization \$175,000, a goodly sum and proof that nothing is wasted in New York. And then the housewife could tell of hash and the stories that a hotel chef could tell would be proof that there is nothing wasted in the commissary business. Nothing in the great city is wasted—it is repassed along in one form or another until it goes back to the soil whence it came, and then it starts on another journey of usefulness.

BERNHARDT MAKES LAST APPEARANCE IN LONDON

London, Oct. 25.—Mme. Sarah Bernhardt todny made what she said is her last appearance in London, when she gave a benefit performance at the London Colliseum for the French Hospital and Dispensary in Shattesbury avenue, and the Charing Cross hospital. The event was attended by King George and Queen Mary, who gave it their unqualified approval.

"I never desired wealth as much as today. If I were a queen, I would give you a beautiful place. Being only an artist. I offer you my talent."

Sarah Bernhardt wrote the foregoing on the visitors book of the French Hospital and Dispensary on July 4, 1879.

EXHIBIT PALACES TO BE COMPLETED BY MAY OF NEXT YEAR

Construction Work on World Exposition Proceeds According to Schedule.

San Francisco, Oct. 25,—Director of Works Harrls D. H. Connick of the Panama-Pacific International exposition has officially announced that all of the main exhibit palaces will be completed nine months before February 20, 1915, the opening day of the exposition, and that some of the buildings will be completed even earlier.

This official announcement, following the promise of the exposition manager.

the promise of the exposition manage-ment made more than one year ago that the exposition would be completed nine months before the opening day and that the exhibit palaces would be built upon a definite schedule confirms all that was said before. The preparations that was said before. The preparations for the event are further advanced to-day than were those of any other international exposition at a corresponding time before its formal opening. The work is now proceeding upon schedule; there will be no periods of delay or of congestion in the work.

The exposition site, covering 635 acres of land close to the heart of one of the most picturesque residential sections of San Francisco, was long since cleared of all old houses and other structures and has been completely fenced in. The underground work has been completed almost throughout and included the reclamation of 71 acres of land from the Bay of San Francisco; the installation of a high pressure water system for fire purposes, which is two-thirds completed; a low pressure service water system, which is also well advanced; an extensive drainage system, completed in the amusement concessions and foreign nations district and nearing completion in the main exhibit district, where it is being carried along with the buildings themselves, and the laying of underground conduits for the electric wires for the transmission of light and power.

At present 10 of the huge exhibit palaces are under construction; of these 635 Acres in Site.

palaces are under construction; of these 16, the frame work of three is now rising and the flooring of practically all of the others is completed and the assembled parts are to a great extent ready to be raised to place. More than 70,000,000 feet of lumber will be used in this main exhibit section; more than 25,000,000 feet have already been delivered and 40,000,000 feet contracted for. Thirty-two steamers are carrying

the lumber.

The streets, avenues, roads and paths are laid out, the curbs are well along and a contract for the delivery of 70,000 cubic yards of road rock, with an ample time limit, is being fulfilled.

A standard gauge railroad is being built, the tracks being now nearly all down and parts of the road in operation, conveying material. A freight ferry slip has been completed and is receiving car floats regularly. A commodious harbor front, with a system of wharves, is receiving steamers daily, with lumber and other building supplies.

The Service building, housing the staff of the division of works, is completed, even to the gardens and lawns surrounding it, and has been in use all the summer.

Of the 12 great structures in the main group of exhibit palaces, one, that of machinery, is erected, roofed and floored and is now receiving its coverfloored and is now receiving its cover-ing of imitation Travertine stone, its cornices and pillars.

The Palace of Education is floored and the frame is about haif up. Framing of the Palace of Food Products has been commenced this week and the floors of the Palaces of Agriculture.

American Federation of Labor. There are affiliated, at the present time, with the American Federation of Labor, 120 international trades unions, with their 27,000 local unions, 38 state federations, 632 city central bodies and 668 local trade and federal labor unions having no internationals.

Good coal and wood. Edlefsen. (Ad.)



166-8 1st St. (Nr. Morrison) REGULAR SALES DAYS Monday, Wednesday and

Each Day at 10 A. M. YOU CAN ALWAYS FIND A GOOD SSORTMENT OF MEDIUM PRICED URNITURE. CARPETS. RUGS. TOVES, DISHES, UTENSILS, ETC., OR POSITIVE SALE TO THE HIGH-ST BIDDER.

FOR PRIVATE SALE GOOD SECOND HAND FURNITURE, CARPETS, STEEL, AND GAS RANGES. ETC. ALSO ROLL AND FLAT-TOP OFFICE DESKS, OFFICE TABLES, REVOLVING CHAIRS, FILING CAHINETS EFC. WHICH WE SELL AT PRIVATE SALE. IF IN NEED OF ANYTHING IN THIS LINE WE SOLICIT AN INSPECTION OF OUR STOCK

WILSON'S BANKRUPT STOCK STORE Corner Second and Yamhill Phone A-3855

GROCERIES, CIGARS, TOBACCOS, RANGES, HARDWARE, CUTLERY, SHOES, FURNISHINGS, IN FACT, ALMOST ANY KIND OF MERCHANDISE YOU MAY WANT. COME IN AND LOOK THROUGH OUR LINE WE CAN SELL YOU GOODS AT ABOUT THE WHOLESALE COST, Also STORE FIXTURES, INCLUDING CASH REGISTERS STORE FIXTURES, INCLUD CASH REGISTERS, COMPUT SCALES, SHOWCASES, FIREPRO SAFES, ETC. J. T. WILSON, PROPRIETOR.

Geo. Bohera Co ON TUESDAY NEXT

We shall sell some very costly mahogany pieces, brass beds, rugs, etc. removed to BAKER'S AUCTION HOUSE for convenience of auction sale comprising genuins mahogany Empire sewing table with hand carved pedestal. Heppiswaite card table, drop leaf table and tilt top candle table, mahogany rocker, quartered oak Sleepy Hollow rockers and chairs in genuine leather, large library table, oak parlor desk, oak rockers, leather couches and easy chairs, drop head sewing machina, pictures, lace curtains, Axminster carpets, Brussells rugs, oak hall tree, quartered oak dining table, leather seated chairs, full and it sizes brass beds, best springs and mattresses, pillows birdseye mapie, oak and mahogany dressers and chiffoniers, large mirror, malleable steel range, kitchen cabinet, etc.

Also the furnishings of cottage as follows: Parlor rockers and tables, catpets, iron beds in two sizes, springs and mattresses, dressers, commode, toilet ware, dining room furniture, hall tree, range, kitchen queon sutensile, etc.

TO INTENDING PURCHASERS: YOU ARE KINDLY INVITED TO IN-SPECT THE ABOVE GOODS TOMOR-ROW.

AUCTION ON TUESDAY NEXT AT 10 A. M.

ON THURSDAY NEXT

In addition to our Regular Furnitus Sale we shall have the following good which will be sold, as the owner is qui ting business: Comprising, \$ it show-case 5 wall cases, popcorn and peanut machines, roll top desk, etc.

AUCTION ON THURSDAY AT W. C. BAKER & C. A. CROWELL, Furniture Dealers and Auctioneers, 166-168 Park Street.

Auction Sale

211 FIRST STREET MONDAY, 2 P. M.

You will find a very nice assortment of good furniture for this sale, such as round oak dining table, 8 ft. extention, with 6 good box seat chairs to match, good large quartered oak side-board, rockers, fancy parior chairs and settees, odd or in set, heavy metal beds, good springs, clean mattresses, blankets, comforts, sheets, pillows and cases, very nice dressers in birdseye maple and other finishes, small rugs, Charter Oak steel range, Iwel gas range, kitchen treasures, kitchen tables, coal and wood heaters, kitchen cupboard, utensils, dishes, etc., etc.

FORD AUCTION CO.

We sell again on
Wednesday and Friday at
2 P. M. Each Day
and we have some very high furniture
coming in for these sales.

NEW TODAY

Water Front Property Especially well situated for large tories or mills, being located between deep water and rival rail lines. For given upon request, either as a whor in parcels.

Sacrifice Sale

Beautiful riverfront home, West Side. Value \$17,500. Quick sale, \$12,000-\$7000 cash. 607, Journal.

elling Bldg. 6th and

MORTE

CONGRESSMAN MANN AS MINORITY LEADER IS EVER ON THE JOB

of the \$50,000 boys and girls who attend to being "on the job" you have to hand it to the Honorable James R. Mann, leader of the Republican minority in He is the watchdor of the treasury.

the public schools of the greater city. Chicago, Philadelphia, St. Louis, Boston, Claveland, Baltimore and Pittsburg combined spend \$30,236,234 annually for their public school system. Father Knickerbooker last year spent more than a half million dollars more than the combined the official objector, the parliamentary sharp, the self-constituted scrutinizer outlay of the seven next largest cities for free education. Some say that this is not a sign of especially good schools, New York being almost as populous as the other seven cities altogether, but of all legislation and the best player of politics in the angust lower house of the national legislature. And, it might be added, he is the hardest working representative that now sits in congress.

The Democrats bump into Mann quite often these days. He is making a campaign issue out of the "caucus rule" of New York's public school bill was \$8451 to each 1000 population, while the average per capita expenditures of the other cities was only about \$4000. the house, and keeping the majority on the slert every minute of the time to prevent him getting good campaign ma-terial in the Congressional Record. His latest achievement, and one on which he OF CAFE AT POTSDAM promises to bedevil the Democrats for some time to come, was the introduction of a resolution asking investigation of the charge that the Democratic congressional campaign committee had violated the campaign contributions act by soliciting funds from members. Berlin, Oct 25.—Not content with running the famous porcelain works at Cadinen, the kaiser has added to his commercial activities by becoming the proprietor of a restaurant and cafe

at Potsdam.

Some time ago the municipality of Potsdam decided to close an old cafe situated beside the historical mill in front of San Souci castle. The people of Potsdam complained to the kalser that they had been deprived of their favorite cafe and the kalser decided to build and equip at his own expense a restaurant on a site near the windmill. The restaurant has been recently opened. An Efficient Oritia.

The principal function of a minority in congress is to criticise. "Jim" Mann is the best critic that ever filled the job of Republican minority leader. He can say more mean things about a measure or a policy than pretty nearly any man in the house. Mann works night and day. When congress is in session he is in his seat on the floor every minute of the time. It is very saidom that he leaves for luncheon. He will sit and munch some sweet chocolate rather than run a chance of something slipping by. He is at the session when Speaker Clark's gavel falls convening Speaker Clark's gavel falls convening the house, and he doesn't leave until the motion for adjournment is passed at the close of each day. Then he goes home with a huge bunch of newly introduced bills and burns the midnight oil weighing every word and every phrase in these measures.

Mann is the only member of the house who reads every bill and resolution and report introduced or issued by the house. He reads a bill for an increase of pen-

He reads a bill for an increase of pen-sion to John Jones of Squedunk, just as carefully as he did the tariff bill. When a bill comes up on the floor it is mighty seldom that humn isn't about as familiar with its provisions as the member who is fathering it.

A Skilled Parliamentarian

member who is fathering it.

A Skilled Parliamentarian.

His knowledge of parliamentary law is profound. His fillbuster a couple of years ago against the French speliation claims bill set a new record for brilliancy of the art of obstructing legislation. Other famous fillbusters have generally been accomplished through prolonged speeches. Mann disclained such a method. He tied the house up in kinks on legislative procedure. Nobody has yet discovered aractly why he did it. His explanation was that it was to show defects in the house rules.

Mann originated the illustrated lecture in the house. It was years ago, during consideration of the pure food bill that he pointed his explanation of the measure by bringing in half a carload of food staples and showing how the labels misrepresented the contents and how the new law would give the housekeeper an opportunity to tell exactly what she was buying. During the tariff debate in 1909 Mann gave another practical demonstration of the pulp wood and print paper rates, bringing the pulp logs, and samples showing just how the wood was turned into paper.

The Republican minority leader is a gray whiskered, medium sized individual. When he gets to inliking he waves his arms like a windmill and his voice

runs into a sort of wheese. He is 57 years old and was a lawyer before becoming congressman.

RIVAL DRUGGISTS IN FATAL FIGHT

Milan, Oct. 25.—Professional rivalry etwe n w due late who h d et up establ shmer ts at Fraug ia, a health resort near Pisa, has culminated in trageay. One of the men stabbed the Republican Wheel Horse in the other with a dagger and killed him.

The m.ml ers of the larabi let who have to hadly mauled by an angry crowd, who were bent or 'yncular he m refer Foled in this purpose the mob stormed the prisoner's shop and smashed everything prisoner's shop and smashed everything the manner. Washington, Oct. 25 .- When it comes man's private house, where they broke

all the windows.
Police reinforcements arrived just in time to rescue the murderer's wife and four children from the infuriated

NEW RIFLE SHELLS FOR ATTACK ON AIR CRAFT

Paris, Oct. 25.—Remarkable experi-ments have been carried out here with two new rifle shells, one intended to set fire to dirigibles and the other to destroy everything near the spot where it falls, such as a wall or a house.

The experiments were carried out with an old 1830 pattern rifle, and will be repeated at a near date in the presence of the military authorities.

The inventor is also said to have devised a fitting which can be automatically and quickly attached to the Lebel service rifle, thereby enabling it to use the new shell.

PROFESSOR BRANDON **GOES TO CORVALLIS**



Professor H. C. Brandon

Oregon Agricultural College, Corvallis, Or., Oct. 25.—To meet the increasing demands for teachers of manual training in the public schools of Oregon, the college has accured the services of Protessor H. C. Brandon, late principal of the Portland School of Trades, to carry on this work as professor of industrial art. Previous to his work there he was a teacher of extended experience in the public schools of Indiana, principal of the Fairmount high school, and assistant professor of manual training in the Indiana university. In his work in the industrial arts course here he will have charge of the teachers' training work, and also general supervision of the college shops in wood work, pattern making, turning, forging, casting and macnining.

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