THE OMAHA DAILY BEE: SATURDAY, JULY 25, 1908.





every pair a truly remarkable shoe bargain.

IT IS UP TO THE BURGLAR afforded

Uncle Sam Thinks He Has a Device that Can't Be Beat.

CRACKSMEN HAVE THE CALL SO FAR

Installing a New System of Electricity of which it is composed will be most careto Protect the People's Money-No Vault Even Adequately Burglar Proof.

Just now the government admits delear, and the professional burglar and safecracker is on top. The confession was made floor up the sides, and will join correspondin a practical way immediately after July ing wires at the ceiling of the vault. At a I, the first day of the fiscal year, reports point on top there will be a feed wire, the Washington Post. It was in the shape of an abandonment of every present device for the protection of the government funds and the installation of a system along entirely new lines. The old style, immense swinging doors, cunningly devised locks and massive walls of masonry and steel were abandoned. Instead, the subtle electrie current is to be called into play and is expected to do what it is admitted a half century of inventive genius and scientige study and technical skill have signally falled to do.

Arrangements have been made for the new system, and in fact a first step has already been taken at the government mint n San Francisco. There the coin room has been supplied with a vault whose walls are only of the usual strength and thickness of masonry in ordinary fire-proof constructipn. About the vault, however, has been thrown the protecting screen of a mild electrio current. The same plan is to be followed with the great silver vault under the central court of the massive treasury building in Washington; also the smaller gold its. The solid structures of these vaults. although admitted to be wuinerable to the assault of the professional cracksman, are not to be disturbed, because of the expense of reconstruction. The new device is to be plied to the present structures. It is simple and ingenious and interesting. The government is unable to secure exclusive control of it, and do its own construction It is obliged to contrast with the work. private corporation owning the patents and

Ayers Hair Vigor Turning gray? Why. not have the early, dark, rich color restored? It's easily done with Ayer's Hair Vigor: A splendid dressing, too. Langest

First of all, the present vaults are to be lined with hard wood, tightly joined at every corner. Inside this lining will be laid a thin contina of tinfoil. On this tinstrong netting or the ordinary solid sheets fully joined and will be highly polished. Over this screen of wires, another lining

Will Install Electricity.

of hard wood will be built. Thus will the wire netting be sandwiched between two great wooden boxes. The meshes in the screen of wires will hardly be more than an eighth of an inch apart. The wires will run continuously in every strand, from the

which will connect with the wires of the netting and form complete circuits. This feed wire will lead off from the vault to a central electric station, at which a mild current of electricity will be generated. The current will not be of the ordinary kind, but will be alternating in its strength and intensity. Three times every five minutes the current will be varied. The machinery will offer fifteen different currents every twenty minutes, so that no succeeding five minutes, with its three currents, will correspond with another five minutes.

A peculiar and intricate mechanical contrivance will be located in the top of the vault, which will automatically give notification at a central station if the electrical apparatus fails to work or if the currents fall to charge all of the wires in alternating shocks. The device will be in operation night and day and can be so arranged that the opening of the yault door in the day time will not disturb it. If the walls or celling or floor of the vault are tampered with during the day an alarm will be rung at a central station olf the same thing or curs at night or the vault door is tauched i then, the alarm will be sounded. It is the intention to have the central station within ; a half block of the Tseasury building. where the slarms will ring, and also to have connections with the central police station of the city of Washington, sounding the slarms near a dock where there is a

sergeant of police always on duty. Government officials point out that if such device had been in operation in the Chicago posteffice last winter the \$70,000 worth

who tunneled through the floor of the vault could never have been taken. Presuming that a hurghar could get up to the floor of the ceiling pr one of the walls of the treasury vaults, he would be sure to be detected in trying to drill or force his way through at the point of attack. Even if he should be fully swape of the existonce of the charged wire setting, his task he would have no means of knowing when the disturbance of the wires, because of operate was in the hole through which the he was able to thrust his arm, while he would come tumbling in after him.

Treasury officials have witnessed some

thing like \$20,000 to install the notting and not be made perfectly tight, no matter what simply having them watched almost al- whisky making state in the union. This is make the necessary electrical apparatus. care or skill is used. After the most per- ways. It is a case of honest men guarding no new honor which has come to filinois, accessory both before and after the fact. When compared with replacing the great fect joint possible is made and a packing at all times against dishonest men. So far for she has maintained her lead from as vaults, the largest of which is 50 by 90 of hard rubber added, there is found to be as possible this watching must be made far back as the records go, and well in adof fly screen, except that the small wires the government to obtain exclusive control of it

No Vault Burglar Proof.

The conclusion to adopt this new means of protecting the government funds in Washifigton was reached only after mature deliberation and an inquiry which has been in course since 1894. In that year a commission appointed under authority of congress, investigated the different methods of vault construction and made an elaborate report. It included not only an exhaustive study of every form of vault construction, but it gave the details of experiments in forcing open vaults and safes. It contained diagrams and plans, and the names and a discussion of the character of the most effective explosives. The report is illustrated with photogravures. It was printed as a public document, formally numbered, and given out for distribution. Immediately there was a great hue and cry from conservative members of both houses

The document was dubbed "The Government Guide to a Successful Burglary," and the clamor was so great that its further listribution was prohibited. The commission which prepared the report, and succeeding experts who have

made a study of the question, reached the onclusion that no vault or safe in this or any other country could resist the skilled professional cracksman, Every advance made by the safe makers was met by a new scheme or device by the safe crackers. mprovements in the character of the metal behind him. used were met by improved instruments for drilling and boring or forcing by hy-

draulic pressure. Apparently perfect joints and the absence of notable cracks or holes a doors were met by the use of liquid explozives, which could be used effectively wherever air could be forced. The most perfectly constructed safes were opened by cracksmen who carried no other appliances than a common bicycle pump and a bottle of nitro glycerine, which could be concented

in a vest pocket The safe makers, who saw how easily the ordinary metals were drilled through by the cracksmen, invented new walls for safes of stimps which were secured by burglars | and vaults. They were composed of alternating layers of steel and chilled iron and

ence of the charged wire setting, his task with a plawpipe taken the temper dut of the professions: surgiar tools. He stepped is to the could have with him an electric battery, it easy to drill through, he would attack with which he could strempt to charge the this new substance. He found his drills would not pleree it, but that, in spite of candescent globes. In its place he slipped to candescent globes. a square from the rest of the netting. But the signi rods, it could be broken and dis- the socket he held in his hand. Then he the strength of the current would change leverage easily secured through the hole and forefinger of his hand, and with apand to what den be different would enange inverse and a linearly made. The vulnerable places of a parently little pressure, he applied the car-be altered. At any time each five min-utes the change of current would indicate merily the favorite place for a crack-man to minutes later he had a hole through which

the break in connections, and the guards steel rod passes to receive the tumbler of handed the disc he had cut out to the vault with this plercing of the door by inventing ment. wonderful tests with the appliance, and time locks for the inside of the doors, which It being established that honest human inhave come to the conclusion that so far threw the belts automatically at a time genuity cannot erect a barrier so strong human ingenuity has not discovered a for which they are set. But even this could that it cannot be overcome by dishonest means of gircumventing it. It will cost not discourage the cracksman. He found human ingenuity, the question of safety for

feet on the floor and 11 feet in height, some point as big as a head of a pin that mechanically perfect, and human lapses vance of that great whisky state. Kentucky. story certainly went far to convince me of with the approved vault construction of is not perfect. This is all the cracksman filled by reliable mechanical appliances. Last year Illinois produced 39,742,876 gallons the truth of the adage that 'there's no fool massive steel or chilled iron, the expense wants. He locates this defect, which could This is what the charged electrical screen of distilled spirits, and Kentucky, which like an old fool.' She made a specialty of foil will be placed what will look like is not great. The only objectionable fea- not be detected by any but the most skilled proposes. That it is the most modern and ranked second, 26,019,166 gallons, But then, ture of the apparatus is the inability of eyes. Then he crosses the room to where best aid to protection is attested in its the Statistical Abstract, takes no account of

glycerine. Perhaps the defect is not enlarged more than half of its own diameter skill and ingenuity of the dishonest man ranks first as a brewer of beer. Beer may by the explosion, but succeeding shocks prompted by cupidity. gradually wear it away until the desired with an air pump. He needs only to plas- far as it is designed to resist the assault of vania stands second on the list, with a rec-ter the crack on which he is working with a mob or the effects of a configuration. ord of 5.567,046 barrels. mud or soap to prevent the liquid from spreading, and can work along without device and a sufficient force of guarda to danger of detection. The charges which a heed the warnings which it is espected to professional burglar uses do not make suf- give, the experts of the department rest mined from the figures given. Duties and ficient noise to alarm a person in an ad- from their latest work and remark: "It's taxes are paid on the quantity of the weed joining office separated only by a wooden up to you, Mr. Burgiar." partition. The great charges of dynamite

are used only by the amateur.

The average business man feels content with his books, securities and cash inclosed in the ordinary safe, with a combination lock. His peace of mind swould be much disturbed if he could see any one

of half a dozen government experts who can open any known safe or vault after nve minutes' manipulation, and without a hint as to the combination. The touch of spirits or tobacco is a vice-are given in this estimate in 1855 the value of the erop re-hint as to the combination. The touch of the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [53,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the United States [55,501.26]; in 1855 the value of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of elderly the statistical abstract of the erop re-she had forced quite a number of e one of them is so delicate that he can open the bureau of statistics of the Treasury dea combination which is in working order in three minutes with his back turned to the safe and his hand and arm brought around in a necessarily cramped position

showing Secretary Shaw.

How the professional burgiar has kept pace with the safe maker was strikingly half century ago-In 1850, to be precise, shown the other day in the office of the when the first report was compiled-the necrotary of the treasury. The agent of American of the times was satisfied to get the electrical device already described through the year on an average per capita made the declaration that there was no consumption of 4.08 gallons of wines and substance of steel or iron that he could not liquors, his successor of today requires 19.48 plerce in half an hour. The supervising gallons. This comparison, however, would architect of the treasury. J. Knox Taylor, not be complete without the further infor-

tical. A vault manufacturer was also there. of distilled spirits-whisky and brandy-as which much had been claimed. He offered American nowadays has so far outdisnewly discovered metals all joined together it for any experiment which might be made tanced the American of 1850, raising the in a single mass not more than an inch in

with a blowpipe taken the temper out of kit of professional burglar tools. He stepped integrated by immense pressure with the turned on the current and with the thumb

the combination. The safe maker did away manufacturer as a souvenir of the experi-

the soap dish is standing, if he failed to adoption by the government. It is not ex- whisky which is made by moonlight, so bring a cake with him. He works the soup pected that perfection has been reached by after all. Kentucky may have been first. into a hollow cone and applies it to the the device. Past experience with the cracks-; New Yorkers may derive whatever of point where the slight depression has been men has led the experts to believe that he pride there may seem to be in the distinct found. Into the cone he pours his nitro- may successfully overcome even this. Thefts tion from the information that their state,

With the protection of the new electrical

which wreck buildings and alarm towns BEER DRINKING INCREASING stock at all times.

Less Whisky and Wine Consumer Than Ten Years Ago, and Tobacco Holds Its Own.

Interesting details concerning some of the small vices of Americans-if consumption of spirits or tobacco is a vice-are given in proper explanatory titles, and is wholly without ordinary reading matter. But the Lawyer Tells of a Woman Who Carstories which the figures tell are many and varied.

It is learged, for instance, that whereas a and a number of other experts of the de- mation that in 1850 the American citizen school teacher. partment, were present and looked skep- consumed, take him all around, 2.23 gallons

has been a considerable failing off in the quantity of wine imported from other countries. In 1895 the imports amounted in value to \$10,206.353, while last year the value was only \$8,921,139.

That American taste in whisky has undergone a change of recent years is probknown to those who have an interest abb in such matters. It is graphically shown in the figures in the Statistical Abstract. Ten years ago-in 1903-the production of Bourbon whisky in the United States amounted to 40,885,873 gallons, as against 16,702,240 gal-

lons of rye whisky: last year the production was 20,335,350 gallons of Bourbon whisky and 21.897,221 gallons of Fye.

It is, perhaps, not uninteresting to know from the same source that to Illinois be-

will continue. No device can overcome the though only seventh as a maker of whisky,

have made Milwaukee famous, but the If the new system works as it is expected state in which the latter city is produced entrance is made. Where the air can go to the government will in future do away only \$,706,046 barrels last year, as against the burglar can force his liquid explosive with heavy vault construction except so 10,473,640 barrels by New York. Pennsyl-

Just how much tobacco the present day American smokes as compared with the American of the past is not so easily deterimported and grown each year, but, of course, considerable quantities remain in

In imported tobaccos and cigars there has been no appreciable increase. In 1893 the value of all importations was \$17,618,546; last, year it was \$17.715.493. In tobacco of domestic growth, however, the increase was, apparently at least, marked. Deducting the value of the tobacco exported from the

value of the crop grown, there remained in this country in 1902 tobacco to the value of for 1902, which has just been published by tained amounted to \$26,862,738 -- Chicago Tribune

of rows and columns of figures, with the SMILES ON MEN, THEN SUES

ries on a Breach of Promise

"Business."

"You don't have to be a successful lawyer to make a good living out of the law," said a lawyer who keeps tab on queer cases in connection with his profession. "If you're smart enough and devoid of scruples you can be a professional litigant,

"About nine years ago I won a breach of promise sult for a woman who had been a The defendant was an elderly contractor, and we got \$5,060 out of him. He was a widower, and, like a good He had a sample of a new combination of against only 1.36 gallons by the American of many lonesome old men, he had been pretty Is the Result of Prolonged Study and metals used by his firm in the room, for 1902. It is in mait liquors, beer, that the mellow in his correspondence with my client, which won out for us. The woman wasn't especially pretty, but she was win some and attractive.

in a single mass not more than an inch in the metal would be rulaed, but declared to 17,49 gallons. "Well, that woman has been a profes-thickness. A new kind of metal called that it could not be marred. The second that it could not be marred to 17,49 gallons. In the matter of which he clines of the sional litigant in the breach of promise line ever second the could not be that it could not be marred. The second that it could not be marred to 17,49 gallons. In the matter of which he clines of the sional litigant in the breach of promise line ever since, and she has made herself well that is not the profession of the could not be the second that the profession of the second that the second that the second that the second the second that the second that the second the second that t the inside layers of vault walls by a suc-cension of steel rods, was tried, but this was ineffective. After the burglar had He explained that it came from a captured won the majority of her suits. I know these things because, with a frankness as naive as it was overwhelming, she told them to me herself not long ago.

"She told me at the same time that she had become so well to do through her breach of promise 'business'-she called it that-that she had decided to give it up and settle down. She is still under 40 and as winsome and attractive as she was when I put her first breach of promise suit through for her.

"I leave you to imagine my state of mingled feelings when, after telling me of the remarkable success she had achieved as a professional breach of promise plaintiff all over the land, she thanked and praised. me as her 'benefactor,' the man who had

to pay an annual rental for the protection the company owning the patents some- that the edges of the doors of vaults could government funds resolved itself into one of longs the distinction of being the greatest pointed out to her the road to fortuna-it assuredly made me feel, somehow, like an "Her game must have been unimaginably easy, from the way she described it. Her trapping elderly men of means, widowers in all cases. She so contrived matters as to get her victims to write many promise filled and affection reeking letters to her-'such ink slingers as the old parties are, to be sure!' was her artless way of putting it-and these bundles of documents

were, of course, her potent weapons. "In several cases, she told me, her com fortably fixed elderly victims were really willing, not to say anxious, to marry herwhich was annnoying, she said, because it spalled everything. She wanted them to sidestep the marriage proposition and fight it out in court, of course. Those who were really willing to marry her she had to run away from, of course, because she

wasn't in the marrying business. "Several experiences at the outset with eligible elderlies who were more than willing to bestow their names upon her taught her the wisdom of selecting as her victims

well to do widowers who had grown children. She found that such men were nearly always liable to hesitate when it came to the actual point of marrying, on acccount of the expected opposition of the grown children, and at this stage of it she could always find means to pick a quarrel with him, thus clearing the way for the framing up of her breach of promise suit against htm.

"Besides the sults that she won in court parties to settle with her under her threat that she would have recourse to the law. and she said that some of these settlements were more remunerative than most of the cases that she had won in court.

"You may believe that I was in a state of stunned surprise, perhaps not unmixed with curiosity, as I listened to this woman's caim and connected narration of the superfor form of blackmail in which she had been engaging I was relieved as to my own connnection with i.er when she told me

that the case which I had won for her was a genuine affair, and that she had really been befoooled by the Brooklyn contractor from whom I had uptained the \$5,000 award for her .- Chlongo Tribuna.

WIRELESS TELEGRAPHY,

Deep Research.

Marconi-the wireless wizard-did not siumble accidentally upon the principles of his marvellous invention.

It was only by deep and prolonged study of the cause of certain known phenomena in nature that he was able to produce the startling effect.

Many people, in speaking of hair restorers, have a way of bunching them all together without discrimination.

Harpicide is as different from other socalled "hair restorers" and "remedics" as day is from night.

It is a scientific preparation prepared for the sole purpose of destroying the scalp microbe that causes dandruff and falling hair

Sold by leading druggists. Send 10c in stamps for sample to The Herpicide Co. Detroit, Mich. Sherman & McConnell Drug Co., special agents.

The Girl Valaable.

A girl who owned forty odd beaux Accepted some twenty of theaux. And to each she did swear That his ring she would wear: She had 'em on fingers and teaux! -New Orleans Times-Democrat