MAKING BAD MONEY.

Work of Counterfeiters Growing More Hazardous-How To Detect Spurious Bills and Coins.

required weight.

IN SURGICAL CLINICS

realm

WW HETHER crime is actually in-creasing or decreasing is a dis-puted point among sociologists. One branch of criminal activi-One branch of criminal activitions, in testing all his gold coins with

ty that shows a steady falling off from year to year is the making and passing ty that shows a steady year to year is the making and passing of counterfeit money. According to the records of the government secret ser-vice and of the banking association, the amount of "queer" money in circulation has been growing steadily less and less in proportion to the total for the past twenty years. The expert counterfeiters, men like the famous Ninger, who were artists at the practise of their dublous profession, have been driven out of it by the increasing risks and the relent-less pursuit which the government and the banks have practised toward them and the present time most of the men engaged in this occupation are "cheap skates" who would not have been re-cognized by the old time leaders who reckoned their profits by tens of these modern money criminals are confined chiefly to "sweating" gold coins and passing off on newly arriv-ed timeirrants base imitations that Methods in this country would hard-Methods in this country would hard-ly seem to be so artistic. One of the commonest is plating 5 cent pieces with gold and passing them off on the newly landed foreigners as \$5 gold pieces. The silver colors are perhaps most counterfeited, for, while the se-cret service raked in \$6,000 of spurious gold coins last year, the haul in sil-ver currency was double that amount. Sometimes a counterfeit of the subsi-diary coins is stamped out of copper or brass and plated, but they are easy of detection, as are those made from pewter. bewter. confined chiefly to "sweating" gold coins and passing off on newly arriv-ed immigrants base imitations that would not for a moment deceive a person familiar with our currency. The reason for the virtual disappearagainst the other.

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person familiar with our currency. The reason for the virtual disappear-ance of what once was recognized as the top rank of the various criminal pursuits is due partly to the relent-lessness with which Uncle Sam hunts down every counterfeiting enterprise, no matter how long it may take to reach the criminal. Fartly also it comes from the increasing uso of banks. With the multiplication of banks and trust companies almost everybody maintaines some kind of a bank ac-count, and this is really the greatest protection against counterfeits, for it is in passing under the scrutiny of the money-handling experts in the banks that most spurious mency is detected and retired from circulation. While it is true that counterfeiters as successful criminals are becoming more and more scarce it is equally true that there is still a large amount of money in cir-culation, perhaps a million dollars or more, which fails to come up to stand-ard requirements in one or more parand requirements in one or more par

and requirements in one of shorts of ac-ticulars. There are two general fields of ac-tivity for the man who tries to make his living by tampering with the money of the country. The first of these is the reproduction of currency, whether paper or metallic. The second, the more devicus, is that in which the chief end is robbing gold and the larg-er silver coins of a part of their value and then putting them into circula-tion again. In the first class, that of actual counterfeiting, the produc-tion of bogus bills is the most common of actual counterfeiting, the produc-tion of bogus bills is the most common feature. It is cheaper, no more diffi-cult and the returns of infrequent success would seem to be larger. Al-most every denomination of notes is counterfeited, but the public has the sitisfaction of knowing that its circu-lation invariably leads to the detection of the counterfeiter, with a consequent term in juil. While the average man feels that the task of detecting bogus bills when they pass through his hands bills when they pass through his hands in a perfectly innocent way is rather too much for him, and it must be left too much for him, and it must be reference to experts, there are, nevertheless, sev-eral rules which if remembered will often afford protection. These rules have to do with the manufacture of the currency by the government. All United states notes are printed in sheets of four notes of one denom-mation on each wheet Each note is

in sheets of four notes of one denom-imation on each sheet. Each note is lottered in its respective order, in the upper and lower corners diagonally opposite, A. B. C and D, and we have this system for numbering our notes. All numbers on being divided by four leaving 1 for a remainder, have the check A; 2 remainder B; 3 remainder C; even numbers, or with the number upon which can be divided by 4 with-out showing the above result is in-faible in all instances, it will be found of service in the detection of counter-MOVING PICTURES AID of service in the detection of counter-

Moving pictures as an ald to teach-ing! This is the very latest thing in the educational world. While paper money is still counter-feited, gold and silver coins receive more attention. The great difficulty the educational world. Education is becoming commercially recognized as a new field where the moving picture trade may be boomed, and at least one company dealing in films publishes a list of some hundreds intended for classroom use. Most peculiar of all are the pictures of operations intended for display in hospitals and medical colleges. In fact,

Spanking does not cure children of Spanking does not cure children of bedweiting. There is a constitutional cause for this trouble. Mrs. M. Sum-mers, Box W. Notre Dame, Ind., will send free to any mother her successful home treatment, with full instructions. Send no money, but write her today if you children trouble you in this way. Don't blame the child, the chances are it can't help it. This treatment also cures adults and aged people troubled with urine difficulties by day or night.

BETTER THAN SPANKING

mile of film is needed.

of a mile of him is needed. Surgery is not alone in being thus illustrated. Medicine has its pictures, more particularly to illustrate the diseases in which there is a characterstic walk. Various forms of paralysis where the diagnosis is dependent on the gait are shown in detail. The pic-tures of such a disease as paralysis agitans show the characteristic rigid-ity of the body when the sufferer is walking and of the face muscles when talking talking

An unusual series illustrates the ef-ect of beriberi on the natives of

Moving pictures also have their us Moving pictures also have their use in solving problems of agriculture and public health. The dealers in films announce that by a process which they describe as microkinematography they can show the typhoid bacilli magnified 850 diameters in all stages of growth and movement. Similarly the circu-lation of blood in the web of a frog's foot is shown, and the movement of the chlorophyl or green coloring bod-ies in the leaf. The possibility of teaching geogpewter. An extremely good test for counter-feit coin is to cut sharply with the milled edge of a good coin against that of the suspected one. If it be bad the metal will almost immediately be-gin to shave off. It is a test with which the public might become acquainted to its profit, for it can be tried any-where in a moment. All that is needed is the proverbial two coins to rub one against the other.

ies in the leaf. The possibility of teaching geog-raphy in this way is easily understood and the motion picture camera has invaded most parts of the civilized world. Even the religious field is not neglected and the attention of Sunday schools and missionary societies is against the other. There are many ways of doctoring good coln to the gain of the criminal and the public loss. Over in China, for instance, the willy Oriental thinks it worth while to cut Uncle Sam's silver dollars into halves, for the purpose of scooping bullion from the inside. They are the fulled up with matal of a proneglected and the attention of Sunday schools and missionary societies is called to such subjects as "Open-Air Bible Classes in India," conducted by native evangelists, or "Outcasts of India: Procession of Men, Women and Children Who Have Embraced the Christian Religion."—Chicago Record-Herald scooping bullion from the inside. They are then filled up with metal of a pro-per weight, and fastened together so carefully as practically to defy detec-tion. In this country a similar, but even more delicate treatment, is given to gold coins, as silver is considered unworthy of notice by the artistic worker in this line. "Plugging" is the favorite method employed and the larger denominations of gold coins, especially \$20 gold pieces, are selected. Herald.

SOME HISTORIC GIANTS.

The interior of these coins is bored out with exceedingly delicate instruout with exceedingly dencate instru-ments, several dollars' worth of pure gold being obtained from each. The minute hole is drilled in the edges, and so expertly is it done, and so neatly and skillfully is the interior plugged with bad but weighty metal, that these coins often defy detection with these proves the bands of an ex-

SOME HISTORIC GIANTS. It is a matter of perplexity to most small boys whether they shall become glants or clowns. There are plenty of clowns today, but there will probably never again be such formidable glants as Og. Gog and Magog. Og, we are told in Deuteronomy, was the last real glant. He was that Kling of Bashan whom the Israelites slew, and his bed-stead was nine cubits long, or about 13 feet. This bedstead story may be based upon the huge sarcophagi which the Phoenician klings had made in initiation of the Egyptian custom. Gog and Magog are mentioned several times in the Bible with more or less in-definiteness. In the Koran they repre-sent a barbarous people inhabiting Cen-mit they were probably born of the terror they inspired by the Seythian hordes that overthrew the As-syrtam empire. Wooden statues of Gog and Magog II feet high have occupied pedestals in the London Guildhall for centuries, and were formerly carried through the streets in the lord mayor's shows. They welcomed Henry V on Lon-don Bridge in 1415. According to Cas-ton dog and Magog were the survivors of a race of glants found in Britain by Brute, son of Antenor of Troy, and brough by him as prisoners to London, where they were chained to the gateg tor and kept as porters. MI primitive races seem to possess legends of glants, as did the Greeks, tor uns and Arabs, bur nine feet seems to be almost the highest authentic stature recorded. Topinald's Finlander exceeded this by four inches. Winkel-mair, an Austrian giant who died in height. Charles Byrne, the Irish glant, attnined the stature of eight feet four inches. that these coins often defy detection until they reach the hands of an ex-pert. The puncture is so small and so cleverly annealed with pure gold that a very good pair of eyes is nec-cessary to detect it. For such work as this the methods of converting good money into bad pass through an increasingly unar-tistic series of efforts. Some counter-feits give the coins an acid bath, or "sweat" them out of a dollar or two of the good metal, and then pass them along. The coins are genuine, of ceurse, but the sweating deprives them of the required weight. These sweat-These sweated coins pass into circulation from hand to hand until they reach the banks or the subtreasuries, where they into circulation from are at once caught up by the coin counters, and their career comes to a

udden and abrupt close as coins of The wonder is not that there is counterfeit coin in circulation, but rather that the amount is constantly ecreasing and that through the efforts of the secret service it is fast ap-proaching the point where it will

be a negligible quantity. And it is a rather grim commentary on Ameri-can ability that the great majority of counterfeiters in the country are native born. The foreigner is little able to compete in this line apparently, for out of all the persons arrested by for out of all the persons arrested by the secret service last year for coun-terfeiting nearly 75 per cent were Americans. Italians and Russians came next, but far in the rear.

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LA VIDA CORSETS

are Parisian in chicness, shape

and graceful fit.

ained the stature of eight feet four hes. he tallest race in the world is the tch of Galloway, who average five inhabitants of the rest of Scotland, then the Livonians, Frish, Norse, dish, Polynesians, Sikhs, Fulahs of Soudan, Kafirs, Cheyennes and Pat-mians, all of whom range between feet eight and nine inches. is however, possible to become a nt with a little perseverance. There in the brain a mysterious organ wer as the pitultary body, Injury to lech, some think, produces the dis-head, hands and feet become enor-nisy enlarged. But this form of nism is not commended,-Harper's enlarged. But this form o Weekly.

Granite Fruit Co.'s Day, Wanda-nere, Sept. 3. Free Peaches.

ally pure, which is done by placing liquid air in a good vacuum, when the rapid vaporization of part of the liquid chills the remainder, solidifying the nitrogen in crystals that can be separated from the liquid oxygen left.

Chromium prepared in the electric furnace by Moissan proved to be slightly soluble in molten copper. Fur-ther investigation has revealed a new form of chromium, which is crystal-line, has a density of 7.1, is chemical-ly active, and burns with a bright flame when heated alone in the air, being attacked at red heat even by ni-trogen. rogen

The supposed power of the full moon to disperse clouds, in which meteorolo-gists have been gradually losing belief, has been just investigated again, this time in South Africa by J. R. Sutton. In observations at Potsdam from Jan-uary, 1894, to June, 1900, Meissner found no such dispersing power, but that there is a minimum of cloud about the time of the new moon and maxi-mum just after full. Mr. Sutton con-cludes that these are just the ap-parent results we might expect, if it is assumed that the moon has no influ-ence whatever. In South Africa the cirus and chro-Stratus disappear at sunset, but the rising moon makes them visible again, and the S p. m. obsunset, built the rising moon makes them visible again, and the 8 p. m. ob-servations from January, 1900, to Jan-uary, 1907, show considerable more cloud between the third and eighteenth lunar day than between the eighteenth and third.

to a spheriodal surface, with an axis coinciding with that of the field, and The passage of an electric spark be tween two metallic electrodes in dis-tilled water produces a solution or suspension that is called on electrolytic metallic ferment or hydrosal, and is claimed to have the properties of dias-tatic ferments. The different metals yield hydrosols having the same action,

spirals approach closest and are bright st and deepest.

although that of pallodium is said to act better and more regularly than others. These substances are admin-istered hypodermically, and are recom-mended for pneumonia, rheumatism, typhoid fever, diphtheria, influenza and many inflammatory diseases. A new work by Prof, Albert Robin, a promi-nent French authority, explains the physiological and pathological action, although other physicians doubt that there is really any action at all. Working since 1877 on the theory that dangerous gas emissions in mines fel-lows unusual release of pressure, Francis Laur believes that mine explo-

Francis Laur believes that mine explo-sions can be foreseen and guarded against like storms. On Jan, 28, 1907, a long continued period of high baro-meter over Europe was followed by a sudden fall in pressure lasting two days, and with this fall came simul-taneous explosions in the Reden mine. in Germany, the Lievin in France, and the Charlestown in England. Numer-ous minos in France and Belgium heeded the warnings given, averting In the novel portable telephone sys-tem patented by N. L. Weingott, War-saw, Russia, jackboxes are connected to the lines at convenient places, and to the lines at convenient places, and a pocket apparatus is given cach sub-scriber to carry. The telephone ends in a plug that is connected to any lackbox. The jackboxes are to be ad-usted periodically, and the two the heeded the warnings given, averting risks of disaster by stopping work or taking extra precautions in dangerous workings.

Jackbox. The Jackboxes are to be ad-justed periodically, and in due time the subscriber must pay his rental and get a new plug, or he will be unable longer to use his telephone. Summarizing the world's powers, a French authority finds a total of 11,-000,000 horsepower available for Russia; 4,500,000 for France, 4,500,000 for Italy, 1,000,000 for Supan 900,000 for Norway, 763,000 for Sweden, 700,000 for Germany and on underwatend and an undetermined horsepower for other countries. For the United States 1,500,000 horsepower is credited as util-ized. France already uses 800,000 horsepower, Norway, a large part of its to-tal; Switzerland, 300,000; Germany, 100, 000; Russia, \$5,000; Great Britain, 70,000; Japan, 70,000; India, 50,000, and Italy, 30,000.

To produce the aurora borealis arti-ficially has been recently found to be possible, and now P. Villard has per-formed the experiment before the French physicial society and described the method. A large vacuum flask being placed between the poles of an electromagnet, a stream of kathode rays is shot into the flask in a direc-tion oblique to the magnetic field. The rays take the form of a luminous spiral and near each pole of the magnet the spiral is nearly reversed, taking a backward course. On account of the axes of the spirals being slightly in-clined to that of the field, they give rise to a spheriodal surface, with an axis Speech having been registered by telephonic impressions so as to be in-telligible, the different words being distinguishable by sight, D. Charbon-nel, the French engineer who perfected the apparatus, is seeking a practical means of making a telephone receiver



Mineral Waters Are Debilitat Sometimes through one cause ; other, the stomach becomes w the bowels refuse to de their promptly. Either means h! h and must receive prompt and in ittentio

Digestive medicines may be , "aiding" the stomach but very do they "restore" it to rength to digest the food w strength

render to agest the food will continued help. Pills or some other form of w cathartic or purgative such as m water or saits are usually prom forcing the waste matter out a rather than build up and si It is especially dangerous

tolent cathartics to delica r to children. Buy a bottle of Dr. Caldw. Pepsin. After taking a according to directions yo the stomach doing its ow cause it aids digestion and Pepsin. the stomach and promo-ions of digestive juice has provided to help the he same time it empties accumulated waste matter a natural regular daily r cause it strengthens the Al druggists sell it at per bottle. Pepsin Syrup o well Bldg., Monticello, III send a free sample to never used it and will give



6 Style 2566: A high bust long line model for tall average figures. It will give the long and sinuous lines at present in vogue, and will positively efface all unseemly curves at the hips, back and abdomen. Bust can be tightened or loosened at will by an arrangement of ribbon drawn-strings attractively attached. The material is a daintily imported batiste with pink or blue flowers, and the corset is attractively trimmed to match. Hose supporters attached to front and sides. Sizes 18 to 30. Price ... \$18.00



Demonstration of W.B. and La Vida corsets By Mrs E. D. Dean of New York City

Begining Monday and continuing two weeks, Mrs. E. D. Dean will demonstrate and fit W. B. and La Vida corsets at our corset department-A beautiful line of new models shown. Demonstration is gratis-corsets \$2.50 up fitted free of charge.









in the field of the "money-maker" found in the necessity of conformin at the same time standards, weight at the same time standards, weight, appearance and ring. While the coun-terfelt coin may have the correct weight, the ring as a general thing is often so poor as to cause immediate exposure. Then, too, it usually is not so trim is appearance as the genuine, and the coin often has the well-known meters forling of here meted.

hospitals and medical colleges. In fact, it is explicitly stated f at medical and surgical films are restricted to exhibi-tion before such institutions and canand the coin often has the well-known greasy feeling of base metal. A daring and temporarily successful counterfeiting scheme was discovered recently in France, where thousands of counterfeit gold ten-franc pieces were put in circulation. They were made of glass, which, in a molten state, was forced hat moulds. Then by another equally ingenious process known technically as that of "galvano-plastrie," the coins were covered tion before such institutions and can-not be leased except under strict guar-antees that their use will be so limited. Perhaps, however, the general public would not care to sit through a vaude-ville show and at the end as the house was darkened read in letters of light upon the screen; "Removal of a myxo-matous tumor of the thigh," or "Extir-pation of a bilaterial exophalmic goi-tre."

which a fine film of gold. So perfect with a fine film of gold. So perfect was their appearance and so joyous their ring when tested on a marble-slap that no one thought of suspecting them. There was one weakness, however --there dways is—and that was their fragibility. The eachier of a bank The catalogue which describes these films and which promises many more than are contained in the issue for this them. There was one waakness, however --there always is--and that was their fragibility. The cashier of a bank dropping one on the stone floor in his hurry was stupefied to see it shiver mors," and in all more than one-fifth



Though flax is grown on 4,000,000 acres in the United States, only the seed is utilized and millions of tons of flax straw are burned yearly because the high cost of labor has made liner manufacture a failure. The straw must be retted, scutched, hockled, softened and bleached in about 30 processes be-fore the finished fabric is ready for the arket. The retting or rotting process s followed in Europe, alone require from 16 to 30 weeks. Adopting a com-bland mechanical and chemical method of disintegration, Benjamin C. Mudge, of the Massachusetts Institute of Technology, greatly reduces the labor and time necessary, and by processes yield-ing cloth from the straw in 12 hours. ing cloth from the straw in 12 hours, he expects to create an American linen industry. He removes the gum and coftens the tangled mass, reducing it to a glossy, white and tough fiber. The European method yields only 240 pounds of fiber per ton of straw, wasting the seed and other materials, but the new process claims 500 pounds of fiber to the ton, and also converts the waste in part into paper pulp and saves the tow.

"Caffeinless coffee" is a late German product, made by dissolving out all but trace of the caffein of raw coffee. The tavor, aroma and appearance are prac-tically unaffected, and but sligh hange can be detected even in chem sligh

The extermination of the birds, the "polleemen of the air," is a possible calamity of an extent not easily con-ceived. Competent authority predicts that it would not only make successful agriculture impossible but would be followed by destruction of nearly all vegetation.

The rediscovery of a lost art is laimed by Frank Della Torre, of Bal-more, in a gun varnish that seems to e ideutical with the old Italian varimore, hi a gun varnish that seems to e identical with the old Italian var-ish that made the violin a success-al musical instrument. In the time f Columbus the transparent orange, ed varnish was used for the gondalas f Venice, but in the sixteenth century sumptuary edict made black com-ulsory for gondolas, and a quantity of his varnish was made available for he new industry of Cremona, and vas used exclusively by Amati, Guarn-rius and Stradivarius until the supply vas exhausted about 1730. The mater-al seems to have been made from col-ored guins imported from tropical Af-to. On the violin the variish had a listinguishing and remarkable effect a damping out the upper harmonics, eaving the pure fundamental tone, and thus giving freedom from harsh-ness, with great carrying power. In doline coated with the new varnish all barshness has been displaced, tests showing very favorable comparison with old Cremona violins.

Chemically pure nitrogen, hitherto illeved to be practically unobtainable, now frozen out of liquid sir in the w process of Prof. H. Erdmann, hen liquid air is evaporated at at-ophieric pressure, the nitrogen he-mes gameous at 185 degrees below to and the oxygen at 182 degrees, d an intermediate temperature cause rogen to distill off in somewhat im-re form. The nearly pure gas surves purposes for which nitrogen is or-arily required. The new process key it possible to obtain the chemiakes it possible to obtain the chemi-

La Vida style 2542: Is a strictly up to date model for average figures. The special feature of this corset is what is termed a "broken-bust," i. e., at a point about two inches from the top of the corset at the bust line, there is a break in the boning, permitting the bust to be turned over, thus reducing the heighth above the waist-line at will. The ad-5 vantage of this construction makes this model especially adaptable for evening gowns, where ex-N reme bust height is not required. It has the long LA straight effect hips. Material a durable light weight batiste, suitably trimmed. Hose supporters at front C) and sides. Sizes 18 to 30. Price \$5-50

Ca vell developed figures, requiring a good height at the waist line. It is exceptionally long over abdomen and hips, producing those long willowy lines decreed by Dame Fashion. The material is a durable fancy broche in white only and attractively trimmed. Hose supporters at front and sides. Sizes 19 to 30. Price.....\$15.50

Style 2568: An exceptional model for tall and



La Vida style 2546: Another of the "high bust" "hipless" effect models-built according to the latest fashion demands, this corset gives the muchsought-for long and sinuous lines, effacing all un seemly curves at the hips, back, and abdomen. The bust can be tightened or loosened at will by an arrangement of ribbon-draw strings attractively at tached, material is an imported coutil. Hose sup porters at front and sides. Sizes 18 to 30.



Price......\$5.50

Style 2565: A dainty corset, modeled on strictly up-to-date lines, with a high bust, and coming well down over the hip, abdomen and back. It is so constructed that at a point two inches from the top of the corset, the bust can be turned in so as to make the garment suitable for low-cut gowns, where extreme bust height is not required. The hip, back and abdomen lines will give the long line effect. The material is a prettily embroidered silk batiste with white, pink or blue flowers. Hose supporters at front and sides. Sizes 18 to 30. Price\$13.50

La Vida style 2552 A model for slender figures,

constructed in accordance with the prevailing fashions.

High above the waist-line with the long straight hip

effect. The material is a dependable coutil, lace trim-

med. Hose supporters at front and sides. Sizes 18 to 24. Price \$4.00



La Vida style 2524: An exceptional model for the average figure. Quite high from the waist line up, with considerable length over abdomen and hips. It is, however, so constructed as to give perfect comfort, notwithstanding its length. The material is an imported could, tastefully trimmed with lace and ribbon. Hose supporters front and sides. Sizes 15 to 20. Price \$5.00



Reduso style 770: The perfect corset for large women. Scientifically constructed, insuring perfect reduction of the over-developed parts, from 1 to : inches, thus giving stout women the graceful lines of their slender sisters. The material is durable white coutil. The bust is medium in height with the necessary length over and around the hips. Hose supporters attached, four at front and two at sides. Sizes 19 to 36. Price \$3.50

> In reality "LA VIDA" Corsets are custom - made in every essential but price.



leal composition. The effects upon users have been most remarkable. All harmful influence has disappeared, and strong infusions are used with impun-ity by nervous, dyspeptic and other sufferers from caffein poisoning.

1 VF2 5 Nuform 465 very latest demands of fashion. High above the waist line and has great length over hip and back, so constructed as to give the correct willowy, long line effect. The material is an excellent quality S) coutil, in white only. Trimmed with lace and ribbon. Hose supporters, front and sides. Sizes 18 to 30. Price\$2.50