

The cinematograph is being put to surgical operations.

To show the shadows east by some of the brightest stars, M. E. Touchet places some object in a long box blackened inside, and closed by ground class. The shadow cast by Sirius on the gines has been photographed

Its hand and its wonderful intelligence give the monkey advantage over all other lower animais. It cannot well dure cold and temperate climates, and this fact, it is suggested, has prevented the close association with man that would have made the monkey the most useful of domestic animals.

In the experiments of Prof. John Trowbridge, a powerful electric current in passed between terminals of wood and cotton wool saturated with distilled water, and a gap of four inches is bridged by a torrent of bright sparks, with a deafening noise. This is thought to prove that thunder is largely due to explosions of hydrogen and oxygen from dissociated water vapor.

In his scientific pearl farming, Professor Dubois has transplanted a colony of pearl oysters from the coast of Tunis to a point near Toulon Of these oysters, one in 1,200 yielded a pearl. Acting on the theory that the pearl disease of the shell is due to the accretion of mother of pearl under the action of a parasite, the experimenter has tried to transmit the disease to other oysters, and has succeeded in producing one or more pearls from every ten oysters

An ancient Chinese tomb of the Han Dynasty, B. C. 220, was recently opened and was fould to contain a bronze mirror decorated with raised animal figures. These figures, which were of an astrological character, represented the tweety-eight mansions of constellettone of the moon, and although the signs were nearly defaced, the serpent colled around the tortoise was distinctly visible. In addition to the mirror, some small red glazed bowls were found of considerable beauty and finish and bearing a glaze of great smoothness and uniformity of coloring.

The farmers of Germany are noted for their adoption of scientific methods, particularly in the cultivation of potatoes, which is their great specialty. To avoid the effects of inbreeding, the scientific German farmer rarely plants seed potatoes from his own fields. He either gets new varieties from the experiment stations, or exchanges with his neighbors whose farms possess soil differing from that of his own farm. An interesting fact is that potatoes grown on high hill slopes produce best when planted in valleys, and that potatoes from the heavy, wet land make the best seed for use in light, dry

Curious Effect of Tornadoes - One or two remarkable examples of the effect of the sudden expansion of air Inside buildings when the partial vacuum produced by a tornado passes over them was noticed in the storm that devastated Gainesville, Georgia, last June. The walls of a mill were blown outward and the roof was lifted into the air and suspended there for several seconds. A stand-pipe 40 feet in diameter and 50 feet high, placed 50 feet above the ground, lost its sheet-iron cover, which weighed several tons. It was lifted bodily off, carried high into the air, and dropped 100 feet away. In its fall it killed several persons,

Prof. Hans Molisch, of Prague, has reported to the Vienna Academy of Sciences the discovery of a imp lighted by means of bacteria, which he claims will give a powerful light, and be free from danger, thus being valuable for work in mines and powder magazines. The lamp consists of a glass jar, in which a lining of saltpeter and gelatine, inoculated with in counties. And the worst of it is bacteria, is placed. Two days after inoculation the jar becomes illuminated with wonderful bluish-green light caused by the innumerable bacteria which have developed in the time. The light will burn brilliantly for from two to three weeks afterwards, diminishing going round bidding everybody goodin brightness. It renders faces recog- by. nizable at a distance of two yards and large type is easily legible by it. Professor Molisch asserts that the lamp yields a cold light which is entirely

KAISER'S FAMOUS DEATH DICE Curious Old Story of the Seventeenth Century Times.

The German emperor has made a most interesting historic presentation to the Hohenzollern Museum. It consists of the famous "death dice," by the help of which one of Kaiser Wilhelm's ancestors decided a difficult case about the middle of the seventeenth century. A beautiful young girl had been murdered and suspicion fell on two soldiers, Ralph and Alfred, who were rival suitors for her hand. As both prisoners denied their guilt, and even troture failed to extract a confesson from himself upon it. He had forgotten his either, Prince Frederick William the kaiser's ancestor, decided to cut the Gordian knot with the dice box. The two soldiers should throw for their actors collected around his unconscious lives, the loser to be executed as the form. murderer. The event was celebrated with great pomp and solemnity, and dian, sadly, "he thought he saw a peal to divine intervention as it was dered by everybody, including the Times-Star.

secused themselves. Raiph was given the first throw, and be drew sixes, the highest possible be, and no doubt felt jubilant, pended over \$300,000,000 in Manehuria, that are warranted not to run.

The dice box was for give to Alfred who fell on his knees and prayer aloud "Almighty God, Thou bowed I am innocent. Protect me. I beseech Thee!" Rising to his feet he threw the dice with such force that one of them broke in two. The unbroken one showed six, the broken also showed six on the larger portion, and the bit that novel use by Paris surgeons in teach- had been split off showed one, giving ing students how to perform various a total of thirteen, or one more than the throw of Ralph. The whole audience thrilled with astonishment, while the Prince exclaimed, "God has spoken!" Ralph regarding the miracle as a sign from beaven, confessed his guilt, and was sentenced to death. It is probable that Alfred ever after did not number himself among the those who look upon thirteen as an unlucky number .-New York Sun.

MEXICO AS A RESORT.

Changes that Time and Railren's Make in a Republic.

when neither the Central nor the National was completed, can bear witness time. It seemed to be imbued with a the least, interesting deeper restfulness, and the writer, as harbor of refuge where the stern exigencies of competition had not yet spoiled the joys of life. The Alameda, in particular, though sadly neglected. as compared with its present state, was symbolical of the Mexico of that time. People spent the days on the benches under the trees without any discomforting self-reproach of occupations neglected. Law students, happy though penalless, repaired thither nominally to study, but really to chat for hours on end or to ogle the nursemaids. Even the big yellow butterflies seemed to wing the air in the fresh, delicious mornings, or through the long, sunny afternoons, more lazfly than now.

The difference between the Mexico of to-day and the Mexico of that time lies not so much in the material transformation of the city that has been accomplished, but in its mental atmosphere. Mexico was not then the busy cosmopolitan place that it is to-day. Life flowed in a placid stream as it still flows in such interior cities as Morelia and Zamora, which, though touched by the rallways, have not been metamorphosed by them.

Yet all this is perceptible only to the persons who have long resided in Mexico. To strangers from the States this city is just as capable of affording the rest cure as it was twenty years ago. The fast pace, the pace that kills, of northern cities is unknown bere. The southern charm and the arts that give grace and elegance to life are still prominent, and though a large amount of business is now done here at this capital, there is the commercial as well as the political center of the republic, no one is so absorbed in the pursuit of wealth as to be insensible to the amenities of existence. The busiexchange greetings with his friends. It is probably this social geniality, making the people of this city seem like one big family and causing each individual of the community to feel that he occupies a distinct place in the esteem and consideration of others, that constitutes one of the charms of life in Mexico.-Washington Star

Farms Are Big in Dakota

"Yes, sir," resumed the Dakota farm er, as the crowd of agriculturists scated themselves round a little table; "yes, sir; we do things on rather a sizable scale. I've seen a man on one of our big farms start out in the spring and plow a great furrow until autumn. Then he turned round and harvested back. We have some big farms up there, gentlemen. A friend of mine owned one which he had to give a mortgage on, and I pledge you my word the mortgage was due at one end before they could get it recorded at the other. You see, it was laid out it breaks up families so. Two years ago I saw a whole family prostrated with grief-women yelling, children howling, and dogs barking. One of my men had his camp truck packed on seven four-mule teams, and he was

"Where was he going?" "He was going half way-across the farm to feed the pigs," replied the Dakota man.

"Did he ever get back to his family?" "It isn't time for nim yet. Up there home the milk."-London Tit-Bits.

No Wonder.

The heavy villian had just been scorned by the heroine.

"Percy Periwinkle!" she cried, hurling the heavily laden purse at his feet. "I rer-reefuse yuh offer! Learn now that Dotty Coughlozenge will nevuh marr-r-r-ry for mere guold!"

Percy stared for a moment at the purse, which had flown open and spilled its contents on the floor, and, then, with a wild shrick of joy, flung cue entirely.

A moment later the curtain had been rung down, and a group of excited

"Poor devill" whispered the come No wonder he fainted."-Cincinenti

Costly Job for Russia. The Russian government has ex-

A SOLDIER OF FORTUNE

Amuzing Career of Count Savin,

From favored aspirant to the throne of Bulgaria to the glad acceptance of a position as a street car conductor in



Nicholas Savin, a Russian nobleman, comprises not only this, but includes a trip to the mines of Siberia for the third time to don a convict's garb, which he will now in all probability wear to the end of his life. Surpassing as it does about Those of us who remember the carteverything either fiction or history for of Mexico as it was twenty years ago, adventure, monumental money getting in various ways and consily monumental money spending, the astonish to something different that was felt ing career of Count Savin, spreading in the very air of the Mexico of that as it does all over the world, is, to say

Count Nicholas Savin, scion of one he recalls this capital in the spring of of the most ancient families of Rus-1883, thinks of it as a place cut off sian nobility, was born in 1858, as the from the busy modern world, a sort of youngest son of the head of the house at that time. His upbringing was that of the ordinary Russian aristocrat of the old school and at the age of 20 he entered the smartest regiment of cavalry guards with the rank of cornet, the lowest grade of officers in the Russion army. Early in life Count Savin had remarkable experiences for his three elder brothers died one after the other, in a short time, making him sole heir to the vast family estates. His father died soon afterward, and he entered into possession of his patrimony at the age of 22. At that time his property was estimated to consist of 100,000 acres of land, while his in vested capital was figured at \$5,000,000.

Feeling secure in the possession of all these riches, Count Savin began a life of the most reckless sort. He rented a magnificent house on the Boulevard des Italiens. He was an expert in getting money from women in society. He made love to them, one and all, and had no difficulty in borrowing immense sums. Men, too, lent him money freely, for he had a wonderful knack of inspiring them with the utmost confidence in his own integrity and in his power to repay loans of any magnitude. French noblemen, wealthy manufacturers, financiers, politicians, writers and actors all fell into the trap and supplied money which they never saw again. But Count Savin's victims were not limited to French circles. On several occasions he joined the circle of the favored few who assoclated with the Prince of Wales, now King Edward VII. of England, during that royal personage's visits to Paris. The last time he met the Prince of Wales he asked him point blank for a loan of \$1,000, and Edward gave him the amount in bank notes there and then.

Count Savin did not confine his efwhich emanated from his own brain. At the same time he was in the pay of the German, Austrian and Spanish governments as their official spy in Paris. At the time that he was in the pay of four European governments this extraordinary man was a member of a Russian nibilist association, the headquarters of which were in Paris, and he possessed the full confidence of the political conspirators, who had not the slightest idea of his official connections

Thanks to his high social position, it was easy for Count Savin to manipulate a desirable matrimonial venture.

He married the Countess de Lautree, daugther of a French noble man, who received a dowry of \$500. 000 The count immediately busied himself in getting rid of his wife's money, and suc-

ceeded admirably. COUNTESS LAUTRIC The countess, after three years of martyrdom, secured a divorce.

Paris now became uncomfortable for the count. To avoid open exposure he went to Berlin, where he repeated his Parislan maneuver; thence to Vienna, Rome, Madrid and Copenhagen.

Towards the end of 1892, when he was 34 years old, Count Savin assumed the name of Count Lautrec de Toulouse and went to the Balkans to seek new we send young married couples out to adventures in that troubled zone. At milk the cows, and their children bring the time Prince Ferdinand was in high disfavor with his subjects, and the count conceived the brilliant scheme of becoming Ferdinand's successor on the throne. He became intimate with the great Stambuloff and actually boodwinked that willy statesman into aid no him in his plot. Here, however, fate intervened. The count went to Constantinople to secure the Sultan's assent to his attempt on the Bulgarian throne. While there he was recognized by a Russian secret service spy.

Cost of American Mission Work.

The American investment in religious and educational institutions in Turkey is \$6,500,000 and more than \$20,000,000 has been spent in mission work covering nearly a century.

Destructive White Ants in Africa. In South Africa the white ants have been so destructive to wooden ties that steel has necessarily been adopted.

Coffee was unknown to the ancient Romans: but they had cloves.

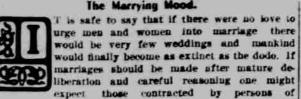
A sprinter should never wear hose



EDITORIALS

OPINIONS OF GREAT PAPERS ON IMPORTANT SUBJECTS

The Marrying Mood.



age to be the happlest. And yet that is not the common experience. The common experience is that the happlest marriages are those which take place early in life, and that when an elderly man or woman gets married-we are not speaking of widows and widowers-they more frequently make a mess of it. The reason for this is not bard to find. It is absolutely essenti I to the happiness of wedded life that there should be common concessions. Two minds cannot always think alike; two people cannot always desire the same thing. One of them must, therefore, give way. Young people can learn to do this more readily than older ones. As to the wisdom of getting married and marrying young, there should not be two opinions. Home life is the most wholesome and the very best estate, and every woman should be a homemaker. There are many things, as society is now organized, which militate against marriages except among the rich and the very poor. Among the very poorest classes of the population poverty is not considered a bar to marriage. But there is a great class in every community which is ambitious to "keep up appearances," and which thinks it cannot afford to marry. The young woman has been used to living with a certain amount of luxury, and there is a disinclination to fall lower in the social scale by living in a cheaper neighborhood and with fewer of the comforts and conveniences of life. Each one wishes to begin where the parents left off. Plain living and high thinking are no longer the aspirations of the many Baiti-

Unrest and Work.

HE remedy for unrest is to earn one's rest This implies not merely duty to one's calling, but to one's self. The man who tries to ge somewhere and feels at the end of the year that he is farther on the road than he was at the beginning of it, is not pessimistic and downcast, even though he is still distant from the reali-

We cannot restore the old conditions of labor. We tend evermore toward working with our heads and leaving the work that used to be done with hands to senseless machinery. Many of us, too, are afflicted with a fool notion that it is beneath one's dignity to work with the hands; that it is better to be a spruce clerk on ten dollars a week than a greasy mechanic at twenty.

If many of those who suffer from this unrest will take up an occupation or a fad that calls for the use of the muscles, we shall hear more whistling and less sighing. Our hands are made to use, and we grow just as discontented when we are forbidden to use them as if we were ordered not to use our feet, or our stomachs. We have ourgrown the occasion for the appendix vermiformis, but will not do to neglect our hands till they wizen to fringes that connot crush mosquitoes. The man who has no mor to do with his hands than to fold them, or to rest them on the top of a bar, is a man whose unrest may become dangerous. Members of unions who used to work grow so restless after a year of suppression by wholly senseless strikes that they go forth and destroy. Men who used to be kept busy teaching school or practicing law grow so forts to these limits. He became a restless under long vacations and perennial postponements Russian spy and sent highly-colored that they get up sociological theories and travel around military secrets to the Czar, all of worrying everybody with them. -Brooklyn Eagle.

Rowdvism in Colleges.



HE year's news reports from various college centers have been enlivened by some startling accounts of student activity in the way of "cane rushes," "color rushes" and similar diversions. In some cases the girl students took a hand in the rough and tumble of physiencounter. Now come the details as to the late case

fluence with him.

nail exactly in.

if hazing at a Baltimore college, where a student was 'initiated" Into a Greek letter fraternity. After having een undressed, blindfolded and laid on a cake of ice the indent was taken upstairs and thrown from a balcony. alling upon a blanket held by his fellow students twentyive feet below. He was tossed in the blanket until un London Chronicle.

conscious and covered with bruises. This was the "first degree." A few days later the "second degree" was administered. The next morning, not unnaturally, the student was dead. His chum, who had experienced a similar faitietory ceremony, was dangerously ill

Doubtless this was an exceptional and extraordinary case, but it was not so much unlike some other recent college festivities in character as not to give grounds for speculation regarding the standards of conduct toward which the young American collegian is tending. Much has been said and should be said in favor of athletics and robust physical development, but the recent "rushes" and the common charge of slugging in football matches indicate that physical development is leading not to the health, strength and endurance of the athlete but to mere rowdyism.

By dint of vigorous and prolonged effort most of the college faculties of the country managed to suppress hazing a few years ago. But the "initiations," the "rushes" and the football slugging show a resort to practices quite as repugnant. Has the striving after the strenuous life led to a confusion between manly courage and the strong-arm work of the back-lot bully?-Chicago Daily News,

Graft a National Vice.



RAFTING is by no means confined to the petty and wholesale robbing of the community by public officials. There is the grafter who is false to the interests of his employer; the grafter who uses his position with corporation or company to a dishonest end. In every branch and ramification of the business, finan-

cial and industrial world is found the grafter, smug of face, discreet of tongue-a snake warmed in the bosom of the one he systematically plunders. This spollation has become the besetting and shameful sin of the American people.

There is hardly an occupation or profession which does not afford opportunity for graft. The time has come when graft is a recognized and conventional factor in determining the incomes of those who profit thereby. . . If the Benedict Arnolds of a city the size of New York or Chicago were to march in solid rank past the respective city halls, it would take them long to pass, and it is to be feared that they would be greeted and applauded by throngs of envious and admiring followers.

We may accept it as a self-evident proposition that the man who buys his way into office intends to steal his way out of it. These are the professional grafters; they make no pr stenses of a fine-spun morality. But equally dangerous and far more despicable are the grafters who pose as respectable members of society. The grafter of the slume has his counterpart in the genteel, educated character in broadcloth, who prates of patriotism and asks the blessings of Providence upon his peculations.

This is the only nation in the world where the holding of a public office raises a suspicion as to the character of the incumbent. We have not enough civic pride to outweigh the energy and the influence of the grafter. Since this astounding and deplorable state of affairs obtains h no other nation, the inference is clear that we have reached a low moral plane.

The grafter is an effect; not a cause. He is the retainer of dishonest business interests; the henchman of those so carried away by the lust of greed that they do not hesitate to plunder their fellow citizens through the bribed co-operation of those who are elected to protect their interests. Brooklyn Eagle.

The Wife and the Criminal Law



HE law lags behind the advance of women, as we are reminded by a case which was tried at Marylebone the other day, in which a young woman and her husband were charged with stealing and receiving. It is not for us to apportion the blame of a sin to which the hus-

band has pleaded guilty. But the magistrate fell back at once on the old legal maxim that when husband and wife act in concert the wife is not responsible, being under her husband's control. Surely the whole world of modera womanhood will rise in revolt against such an assumption. Even the magistrate hinted that it ought to be "reviewed." Under the present law the man was remanded and the wife was discharged, to protest, as she surely must, against the last remaining feminine wrong. No woman can sit down calmly at home and consent to escape remand on the ground that she was under control of her husband .-

sploits of Timothy Murphy, Ope of

Morgan's Sharpshooters. The bettle of Saratoga, fought in Ocober 1777, has its place in history as clung to him. no of the fifteen decisive battles of the and thus far nearly half a century has lasped, and his word has never been

in, afterward general, ever the stanch he crack sh t of Morgan's corps.

anded soldier; he had observed in the ction of October 7, a noble looking which officer, who, mounted on a maginicient charger, dashed from one end f the line to the other. While this ofcer lived. Morgan c usidered the issue I the contest a doubtful one; he thereere selected twelve of his best marks nen, among whom was Timothy Murby, and, leading them to a suitable osition, he pointed out to them the comed officer, who was dressed in full ments and possessing an iron frame ulf rm, and said to them: "That galint officer vonder is Gen. Frazer, I addre and respect him, but it is necesary for our good that he should die. Take your stations and do your duty." Within a few minutes a rifle ball cut he erupper of Fra ar's horse, a second assed through his horse's mane. Callng his attention to this, his aide said o him: "It is evident you are marked ut for particular aim; would it not be udent for you to retire from this nee?" Frazer replied: "My duty for- reject me," he said. is me to fly from danger." The third razer fe'l, mortally wounded, His death so dish artened the British

is turned against Burgoyne. He had

st his best subordinate, the only one

RUSE OF THE REJECTED ONE

How a Girl Who Had Promised to Be a Fister Was Brought to Terms "I understood you to say that you

well made, handsome in face, with jet

excited; quick as a cat in all his move-

that nothing apparently could affect.

that in the most dangerous duty that

war could possibly entail upon him.

in which he passed seven years of army

life, his body was never wounded or

even scarred.-United Service Review.

"Your understanding is correct," she of was from the rifle of Murphy, and rep i d. "a though somewhat bount. I feel that I cann t marry you." She took a step forward and gently

Lit the moment he fell the tide of bai- touch d his arm. A tear was in her eye, "I'm so sorry," she said. Something in her voice made hi

CRACK SHOT OF REVOLUTION. of his officers who had the slightest in straighten up. He had not asked for sympathy. He resented it so suddenly At the close of the Revolution Mur- that it was as if some outside power phy married and settled in Schoharie had taken possession of him. He felt as a farmer, but his old habits still mad right through.

"You needn't be." he replied. "Why To his last day he maintained the rep- should you be? If you entertain the rid from Marathon to Waterloo, so utation he had won as a sharpshooter slightest notion that I'm going to jump vrote the English historian. Creasy, in Morgan's corps. It was a custom in off the dock or ruln my life dismiss * those days for riflemen to shoot for a at once. There are, I can assure you. prize. On one occasion a large oak tree worse things than being a bachelor. In had been blazed near the ground and the first place, there are no enormous Let us I ok at two characters who in the circle a small piece of white pa- bills to pay. Then, a man can go and hared in this battle, Col. Daniel Mor- per was fastened by a brass nail. The come as he pleases, without let or hinddistance to be fired was over 100 yards. rance. Instend of being bound down to lend of Washington, and at the date Several close shots had been made, and one woman, subject to her whims, her which we write, the leader of 700 it became Murphy's turn to fire. He lide finneles, he is free for all. He care harpshooters; and Timothy Murphy. lay down on the ground at full length, pursue his cherished ambitions without resting his rifle on his hat, as the others interruption. When he is sick he can Morgan was a far-sighted and clear- had done, and, after glancing over the secure proper care without being nursbarrel, he was heard to say: "Sure, and ed by an amateur. He doesn't have to I believe I can see that nail." Again attend dinner parites, or any other kind he sighted his piece-fired, and the pa- of parties, it he doesn't want to. His per fell. An examination showed a time is his own. He can smoke or center shot; the ball had driven the not, without question, and he is absolutely free to pursue his own ideals. In person, Murphy was stout and There are worse things than being single. I was willing to run the risk, with black hair and an eye that would kinyou, but don't sympathize with me. I dle and flash like the lightning when shall get along all right, thank you.

> She turned toward him with a sudden movement of determination, and What, moreover, is very remarkable, is held out her hands, pleadingly. "Now you must marry me!" she said,

-Smart Set.

Bullet or Rope Always. Stranger (In Frozen Dog)-Is there, an opening here for a physician? Bronco Bill-Can't say that there is. Yer see, it don't require no specialist in this community to tell what folks dled of .- Puck.

Japan se Nets for Alaska. Orders more recently been executed in Japan for a supply of fishing nets for Altaka va'u d at \$300 0.

Once there was a man who fell in love with a woman's voice; she s