#### -Sam nunication Between Officers and Outlying Forces Speedy and Sure, Obviating Delay.

The method of preparing a system of mommunication for use in the field in war time is interesting. Where the nature of the country and conditions will permit the reels of wire and the batteries are carried in wagons. The The is so laid as to become permanent. a detail follows the wagon at leisure and mrtaches the wire to trees or hastily erected supports.

For flying lines, or lines in the zone at action, lines connecting the commander's headquarters with the various divisions, the detail following the linesmon merely lay the wire in protecting miness where it is least likely to be damaged. The lines may be taken up. smoved or abandoned, as the occasion remuires. Where the nature of the country other conditions render the advance of the wagon impossible or inexpedient, the line is advanced by men carrying

smile of wire on their shoulders. A scout advancing into the enemy's country beyond the point where the wagon must stop is accompanied by a telephonist, who uncoils his line from ble shoulders as he moves forward. To the inner end of the coil is attached the timephonist's instrument. Thus he is mble at all times to report the scout's mbservations direct to the scout's commander and to receive instructions from headquarters.

When the scout is called or forced to fall back the line may be recoverd by telephonist or abandoned after cut-What the instrument loose, if the scout is taken the operator at the other end of the wire is made instantly aware of the capture by the cessation of signals, mad the line is useless to the enemy

It will be seen that the use of the telephone in the field eliminates the time element in the transmission of orders and intelligence and guarantees against mistakes. It also affords the means of mommunicating orders with absolute Mecrecy

Frequently in great battles it has ocsurred, as in the first battle of Manasmas, that batteries were kept to a for-Rours and much-needed reenforcements many in check with resultant disaster becommunicaison was lacking. It has occurred, too. that a retreat at one point and an atmack, real or feigned, at another would have saved an army from defeat-movements that were not made because, the commander lacked information of what was taking place at those points, or it he was informed lacked the means of promptly ordering the necessary moves. int the commander of to-day much disadvantage is made clear in the accounts from Manaskas recently and , the reports of the efficient work of the

engual corps. The factics of to-day are based as were the tactics of other days, upon the assumption that the opposing forces are "equally well equipped with death-deatthe weapons, and that in a general way all soldiers are men of great physical wurage. But the operations and strategy of the older time would not do for

- Modern weapons are in a great meas---- Tre responsible for the new factics but The strategic operations of modern warhere are made possible only by the highly steveloped efficiency of modern methods at transmitting intelligence

The importance of a superior intelli-Price department was shown by the sperations of the American forces durme the war with Spain It is more clearly shown in the operations of the Labanese against the Russians where wither things, to all intent and purposes are equal.

The birth of the modern signal corps securred during the civil war and immediately after the battle of Manassas. and while much in the way of advance has been accomplished from time to came by other nations engaged in war, 38 h not claiming too much to assert man the intelligence departments of the sermies of the world are in a great degree satterned after the signal corps of the Cuited States army

Startling Area of Our Coal Fields. It is estimated by experts that the trea of American coal fields, at present men to mining, is more than five times as great as that of the coal fields in England, France, Germany and Belgum; the great coal producing counries of Europe. While practically at: "ac available coal areas of those coup-Tries have been opened to mining ours have scarcely been estimated. When we take into consideration the fact that wal is one of the great motive powers in she manufacturing world, it is evident strat this immense wealth of coal will be of such an advantage to the United mates as to be beyond any man's calcula-

#### Fortune in Playing Cards.

At a recent said at Christie's famous \*some London, a playing said, the five et diamonds, brought the enurmous sum # \$10,750 Chie parriedae fine f diamence held on its back as in a minutewere in gouache by Hans Historia of Trances Howard duchess of Norton A \_air of oval miniatures of higher in the same medium name of author not given, brought \$5,000 at the same sale

Modern Utopia. In the village of Altenburg on whose

berders three countries meet there are we soldiers, no police, no taxes, and its people are ruled by no monarchs. The embabitants speak a queer jargon of French and German combined, and spend time cultivating the land or workme the valuable calamine mine, which a the boast of the viliage.

Society Writer on Newspaper Caused the Manager to Sit Up and

Think.

There is a good story known to the elect of newspaper circles, but beyond the precincts of the craft entirely bidden, for it concerns a former star in the journalistic world who has now retired to the more peaceful sphere of home life. To begin with, let it be known that the proper pronoun to be used in this anecdote is "she," relates

the San Francisco Call. Not long ago the columns of print that appeared under her name were eagerly sought as being the very salt of San Francisco's journalistic achievaments. Everybody knew her. through her work at least, and everytody hung upon her written words as oracles. The envied of all her sister craftsmen of the pad, and the admired of every newspaper man from managing editor to cub, this lay - held . supreme sway as long as the spirit moved her

But in one way she was a terror to the business office. Nobody could put in an expense account of such amplitude as did this particular star-carriage hire, messenger boys, special "incidentals"-truly the business office would sit up nights in mute rage. It happened that the inaugural ball up in Sacramento was assigned to the lady, with instructions that she should "do it un brown"

She did. When her expense account went into the business office at the end of the week there was this item which caused the business manager to sit up and take notice:

"A ball gown, \$75." Well, the business office would not nass that Item. When the irate lady writer brought it before the managing editor he had been forewarned.

"Now, miss," he began, in his sauvest tones, "we will be very glad to admit this item in your little account. The ball gown was probably as necessary to you in covering the story as this item indicates carriages to have

"Now, for the future contingency that may arise.' 'continued the editor in honeyed tones, "we will just have that gown in stock. We will provide a closet for its reception in the art editor's room, and we will instruct the janitor to give it a little dusting now and then so as to keep it in good condition, and when you want to use it you may obtain the key from the janitor. I belleve---"

There was an indignant rustle of skirts, and the managing editor reached out for a cigarette to cheer him in his solltude.

HOW THEY GOT HIM OUT. Long-Winded Caller Was a Sticker. But Resourceful Mother Gave

Him a Start. Young Thompson never knows when to leave if he calls on a young lady; he likes the sound of his voice so well that he-talks on and on, while the poor girl grows light-headed with the tax on her strength and wishes the mantienieca would fall on the tiresome caller, relates

London Tit-Bits There is a young lady—one of his victims-who made up her mind to give

him a lesson So one Sunday night when he called she was as cordial as possible up to 11 o'clock. Then, having had a four-volume history of Thompson's life, with an extended account of his influence in the football field and business, she began setting dizzy and to have a ringing in her ears.

At that moment her brother rushed into the room and said hurriedly, "Pawants the morning paper, sis."

"Look in the letter box. Willie," she inswered, gently. "I think I heard the boy leaving it some hours ago."

Thompson never took the hint, but trawled on about the dancing season, and what a figure he cut at waltzing. The next interruption was from the head of the house, who entered, briskly rubbing his hands.

"Good morning-good morning." he said cheerily "Ha! Thompson, you're out early. Well, 'early bird, etc. It's going to be a fine day from present appearances."

Thompson was dazed; but he concluded that the old man had been out drinking, and sat back with an air that was decided and convincing

Half an hour passed and the mother hurrled in.

"Dear me, I'm too late," she said, as she entered. "I smelt the coffee an hour ago, and knew breakfast was waiting, but-oh! Good morning, Mr Thomp-50n'''

Then the sweet youth took the hint. and drawing himself together he got out into the hall and opened the front door just as the servant girl rang a bell and the small boy yelled "Breakfast" over the balustrade

## Hero Worshipers.

One little boy- Me brother's been took on de training table at his col-PER

Tother little boy -That's nuthin' Ma brother Bill played so fierce he's bein taken to de operatin' fable in de inapitar Cleveland Plain Dealer

## Girls Won't Make Hats.

While women are invading nearly ail of the employments heretofore belong ing to men, milliners, both here and abroad report a growing difficulty in finding girls willing to devote themsolves to the art of making hats.

## Priest in Thibet.

Thiber's six million people have to aupmort an army of 430,000 priests, who produce nothing, but beautifully illuminated copies of the sacred writings They hold all the public offices.

SHE DID IT UP "BROWN." | SPREEING AT VASSAR. ONLY LOYALTY TO PARTY.

INSTITUTE INN A FOOLISH AND EXPENSIVE PARADISE.

Where Girl Students Have the Entire Run of Things and May ---Indulge in Many Pet Extravagances.

From Easter until college closes is an exciting time in the life of the college girl, both in her studies and in her social life. At famous Vassar college, on the Hudson, it includes founder's day with its exercises, the various outdoor festivities and class and commencement days. Then her many relatives and friends arrive to be witnesses of her triumphs, and if she can't get, them in at the College inn, she is untappy, says an eastern exchange. College inn is regarded as a sort of shrine by the Vassar college girl-a shrine dedicated to the giory of the eternal cream puff. It occupies a unique place in college history. It is a charming little hotel of the cottage order, situated about a half mile from the college, and its proprietors are two (x-Vassar girls. For this reason the college girls are allowed by the faculty the freedom of the place.

They take as many meals as they like, run down at any time when they are at liberty during the day in the wanter for a hot cup of tea or coffee, or in the summer for an ice In fact, the innkeepers, knowing college girls, make a specialty of ices, and there is a demand for them at all times. It is to this inn that the mothers and fathers, brothers, sisters and cousins of the girls come; frequently also other girls' brothers who come up to stay over Sunday, or for some special college function, and the particular girl in whom they are interested runs down from the college for luncheon or dinner. The mothers give luncheons here. too, for their daughters to parties of their daughters' friends, and "spreads" are sent from the inn for the feasts the

girls hold in their own rooms. There is a Palm Beach chef who has charge of the cooking during the height of the college season, in the spring, and after the season at the south is over but he does not would with the pastry cook as a feature of the place The dainties in the way of sweets this pastry cook can turn out are quite sufficient excuse for the devastation of the pocketbooks of Vassar girls. It is told, sub rosa, that in the spring, when demands upon pocket money are many, and a developing spring appetite is increased by the work, the girls have to make their purchases at the inn "on tick," and the close of the college year finds, perhaps, something over \$1,000 in bills outstanding. This is not to the discredit of the girls' financial arrangements, but to the credit of their appetites. The bills are promptly paid before the first

week has passed. It is said that there never were such chocolate eclairs as those on which the Vassar girls spend their allowances; chocolate cake is "a beautiful dream." cream and lemon cake, "something to weep over," and the hot chocolate" a "Greek poem with a frothy top.";

As a building the inn is an attractive place-inside and out. It is finished in green on the outside, with a broad piazza set with tables in the warm weather, and red awnings add to its charms when the sun shines hot. Inside are hardwood floors, and handsome rugs and furniture after the mission style in the dining-room, which opens off the piazza. In the rooms on the upper floor are pretty brass bedsteads and simple white furniture.

It is to the inn that the women's failors, smart shirt waist makers and stock manufacturers come with their samples and designs, and one shirt waist man, well known to New York girls, made a coup last spring by taking up a woman fitter and promising to have every shirt waist ordered delivered in ten days

## Changing the Food.

One of the curious features of restaurant life is the evolution of the man who kept a good chop and oyster house into the proprietor of a poor French restau-. rant. "I've observed several cases of men who made money at their oyster houses," said a man who knows the city, "and then decided to improve their places. They were redecorated in elaborate fashion, and to that change there was no objection. It was when the food was changed to suit the style of the decorations that the real cause for sorrow came. Good, plain food disappeared and imitation French took its placeusually to the disadvantage of the proprietor, who wondered why he lost old customers and got no new ones. But few proprietors can resist the temptation of changing the food with the decorations "-Chicago Inter Ocean.

A Bum Hero. "Pa." said little Johnny, "what are you readin' about "About a hero named Horatius," my

"Was he a baseball hero, pa?"

"A football hero, then?" "No, my child." "What sort of a hero was he, pa?" "He was a hero," replied the patient father. "who held the enemy at bay

and saved the city from destruction."

"Oh. shucks!"-Pittsburg Post Making Encouraging Progress. "Do you think Miss Wealthy cares

anything for you?" "Well, I think she's beginning to care a little." What makes you think that?"

"Why, the last time I called she only yawned twice, and two weeks ago I counted five yawns in one evening."-Stray Stories.

It Is a Man's Privilege to Roast a

Candidate on the Opposition Ticket. "Well, that gits me," said the man who had picked up a handbill. "Here's a meeting over to the half advertised

for Friday night and Gurgwill and,

Patterson down in the list of speakers." "What of it?" inquired the thicknecked man, with the gruff voice, according to the Chleago Daily News.

"Why, it's a party rally, ain't it? And that means a Gurgwill rally in this ward." " 'Course it is. It's going to be a bot

one, too-three band wagons out all

Cav. "And Patterson going to speak?"

"Sure." "Well, say, I guess you must have been taking a vacation when they were having the primaries. Patterson made a house-to-house canvass for Effersly against Gurgwill. He raked him up and down the back. I know he come to me an' told me Gurgwill had served a term in state's prison in Pennsylvama for grand larceny before he came here. He said he was so blamed ignorant he didn't hardly know how to write his name. He said he hadn't got any more principles than an alley cat, nor as much, and his only claim to consideration was that he stood in with the lowest element in the ward. who thought they would be safe if he got the office. He told me he could prove that his license was revoked six times in 12 months, when he was running his saloon on the corner of 'steenth street."

"There may be some truth in that," acknowledged the thick-necked man, "but that Pennsylvania story was a campaign lie. He wasn't never in state's prison. It was a jail sentencea light one at that."

"But you don't seem to catch on," said the other man. "It was Patterson that was going around telling all this. And he didn't only go around and tell it-he made them same statements on the platform. I was to a meeting in Rumania hall where he got up an' called him all the names he could lay his tongue to. He said if the party elected Gurgwill the party would be

busted up from that time on. He said: This man Gurgwill that the Tenque McManus faction is trying to cram down your guilets ain't fit to be trusted with the administration of a dog peltership. If he gets the nomination I shall say that decency in this ward is dead and the voters are undeserving of the glorious privilege of sufferage."

"I was there myself," said the thicknecked man. "I heard him say it all right. But, as I say, there's a good deal in that talk about Gurgwill that ain't so."

"But Patterson for him after sayin' all that! That's what gits me."

"Aw, what's the matter with you?" growled the thick-necked man. "That was before the nomination, wasn't it? And Gurgwill got the nomination, didn't he? Then what's the matter with you? There's such a thing as party loyalty, I hope."

## KNELL OF COLLEGE YELL.

Custom of Vociferous "Rooting" at Games Is Believed to Be Dying Out.

Although Harvard came in for much stinging ricicule when it protested against Princeton's vociferons "rooting," that protest has nevertheless been heeded, says the Kausas Independent. The college yell is about done for in American athletics; at least it will never again be the feature of every game that it was. A good thing. at the outset, as a source of inspiration and cheer, it came to be an unmitigated nuisance, both to players and

spectators. England played a large part in bringing about this reform. The British are notably quiet at games, a "Well played!" or "Well done!" being the limit of their enthusiasm. When Yale and Harvard competed abroad last year, their college yells fell quite flat, and lately when the American colleges won over Cambridge and Oxford, the yell

was noticeably absent. Speaking of the British lack of manlacal shricks when witnessing any athletic sport. Tommy Ryan, middle-weight champion of the world, have a tale to tell when he returned to Kansas City after fighting Johnny Gorman, of Lon-

"We fought at the National Sporting club," said Tommy. "Everybody wore evening clothes, and every man's right eve had a monocle in it. We began to fight, and, used to American crowns as I was the comparative silence was hard on me. I thought they weren't pleased with my showing, and let out every link, but never a cheer. When I knocked Gorman down the first time they simply said: 'My word!' All of them said it together -- a regular chorns "My word!" wist that, and nothing

## - The Magnetic Siren.

A work-hop wrinkle that has proved very effective where used is a magnetic siren for cailing foremen to the telephone. In the shop where it was devised considerable difficulty was experienced in getting people to the 'phone. the excuse for a tardy reply invariably. being that the bell was not heard. The magnetic siren can be heard several

The Blush That Would Come Off. Maisie-So you have dropped young Swellman?

Dalsie-Yes: when I wanted to lean my cheek on his should a he spread his handkerchief over his coat.-N. Y. POISONIN WALLPAPER

RUGS AND FURS ALSO MENACE REALTH OF FAMILIES.

Arsenic Found by Government Expert to Exist in Wall Covering and Colored Ar-

ticles.

The injurious effects of arsenic in wall papers, clothing and furs are discussed in a recent bulletin issued by the department of agriculture at Washington. There is less arsenic in wall paper now than in previous years. though some instances were found of heavy impregnations of the poison. The government experts bought samples of wall papers in the open market in Washington, and made tests of

637 samples. Only four contained more than onetenth of a grain a square yard, which is the maximum amount allowed by the law of Massachusetts, the univ state in the union having a law regulating the use of arsenic in wall paper and wearing apparel. Two of the other four samples came from England, where there are no laws on the subject.

The samples most highly charged with arsenic were red and green, while one paper dyed brown was found to contain considerable. The papers of one firm were found to have no arsenic at all, though all colors were made. The experts recommended that the limit of arsenic permission in wall papers be fixed at five-tenths of a grain a square yard.

Forty-one samples of stockings were examined, and only 24 per cent. were, found free of arsenic. Some of the stockings were heavily charged with the goison, and the experts reached the conclusion that "doubtless many cases of sore feet and even some cases of death from potsoning through excorlated surfaces of the feet have been due to the presence of arsenic in the bose."

Black stockings appear to contain more arsenic than those of other colors. No effort seems to have been made by manufacturers to eliminate crsenic from the dyes used, though attention was called to the danger years

ago in an official publication It is in furs that the greater danger to health from arsenic-poneoning is found. The government experts examined 42 samples, and in 11 found 20 to 1.790 times as much arsenic as would be allowed by the law of Massachusetts.

"This excessive amount of arsenic," says the report. "is doubtless added during the process of preparing the fur, either to preserve it or to repelinjurious insects. Here, again, as in the case of stockings, are articles which, worn around the neck and hands, are ant to come in close fact with the skin. The presence of arsenic in such articles as these is as injurious, if not more so, as in the hose, since it is usually present in couch greater quantities, furthermore, it is an intentional, rather than an accidental constituent."

In the examination of fur rugs it was found that in many cases arsenic was a dangerous ingredient of the dyes or preservative materials. One brown bear rug contained 1699 grains of arsenic a square yard enough to reison everybody habifualty using the rug. Another rug, made of India tiger. skin, carried 5.20 grains of arsenic a. yard. Other rugs had smaller quanti-

"Such rugs as these are extremely dangerous," says the report, "in that, they contain such firme quantities of arsenic that there is great danger of this substance being mingled with the clust of the room and breathed in comparatively large quantities."

.....The conclusions reached by the experts are that the arsenic content of glazed, shelf and crape papers is as small as could reasonably be expected; that too large a percentage of dress goods, dress furs and fur rugs contain excessive amounts of arsenic, and that this is dangerous to the health of a large number of persons, especially those susceptible to arsenic poisoning. and that the amount of arsenic in miscellaneous fabrics, such as hangings, pillow covers, carpets, etc., is not unreasonably large.

## Why Japs Are Dwarfed.

Measurements taken by surgeons of the Japanese army show that the Japanese smallness of stature is due to an almost dwarfed condition of the legs This is probably due to the fact that from early childhood a really unnatural way of sitting is constantly practiced. The adult Japanese is accustomed to sit with his less bent under him. As soon as the child is old enough to be set upon the floor his legs are bent under him in imitation of the custom of his eiders. This, in time, dwarfs the growth of the limbs. Actual deformity is less common among the peasants than among scholars, merchants and others x secretary habits.

## Motor-Car Peril.

A strong public sentiment is being aroused in England against what is alled the motor car peril. Every day he newspapers print letters describing secidents and calling attention in emphatic terms to the encross hment upon the rights of the public by the motor car and motor cycle owners and

Two of a Kind.

First Invalid-What's the matter with you?

Second Invalid-Ague. What's your trouble?

"Same thing." "Good: Let's so over to that saloon on the corner and shake for the drinks."

-Cincinnati Enquirer,

# "Soft shell crabs are as commonplace

CRABS FLOOD THE BEACH.

Singular Occurrence Three Times a

Winter at the Mouth of the

Chesapeaks.

to the tide water Virginian as are kathed Beans to the Bostonian, while the hard shell may be got at any time in Chesapeake bay by means of a atring with a piece of meat dropped overboard. and a scoop-net to land the creature." says Alice R. Corbin, in What to Eat. 'But most remarkable is an extravagance of the Atlantic that occurs, so the natives say, about three times a winter down at Cape Henry at the mouth of the Chesapeake. The icy condition of the water puts the crabs into a partially frozen and numbed condition, and ifthe wind takes a certain direction, there are sure to be miles and miles of beach. covered with masses of fat blue bodies. and sprawling imbecile pink legs that stretch up helplessly into the air. The first crabs coming in on the crest of a big wave excite little enriosity. Then the number steadily increases, the 100yard beach at last becoming covered with crabs, sea weed, conch apawa, seabiscult, seahous and the giant king crab, with a top like the bowl of a mandolin and a long, thin tail like a rat's sticking out behind. Finally, the waves themselves are no longer waves of water, but literally waves of crabs.

"Then the little settlement of government employes and the stray wood hermits and the darkles from back in the desert' get to work. They hitch up their broad two-wheeled beach carts and work from morning till night gathering in the crabs, taking them to the station. seven miles away (where they are shipped to the markets or to canning factories; and then coming back for more.

"At nightfall the lighthouse keepers, the weather bureau and signal men and the life savers have gone home, but the darkles up toward Lynn Haven bay are still at work. Those that have no carts contest themselves with burlap bags thrown over the shoulder, and many of them bring pitchforks to help disentangle the great masses of seaweed. You can see their dark, groto-que or pathette faces plainly in the light of their lanterns, and here, with their carts about them on a narrow

that is flinging its foam about them and the darker land of the words behind you have a picture that in worthy of if not surpassing the hand of a Dupre or a Breton. Though it all runs the wild strain of their fantastic melodies mingling in with the roar of the surf and the cry of the night blyds in the woods behind

"Finally, the deluge of grabs, lasting often for two or three days, millions of seaguils-gulls that measure three feet from tip to up-swarm down upon the coast, the sullen buzzard, with its sarage beak tears through the crabs' brgastplate for the tender meat, and the hora that run wild about the lmits of the inlanders make an end to this mammoth uphears) of the ocean which feeds so many "

#### COMPLICATED DINING TOOLS Hostess Who Keeps Track of Them. . Must Be Somewhat of a Mechanician

The hidenus custom, lately come into vogue, of the hosters housing herself, nest is the result of animartificiality which is speaking our national manners, a) s Smatt Se

Either the bostess fears, knowing her rough that the guests may be possibled, and heroscapy offers herself as the first. victim, or she fee, sobliged to teach them. by example the uses of the various instruments, lately introduced to perplex. the innocent and please the oster fatious. There is the new kind of oyster turk,

with an apparatus affached which enables the barbarous to cut a too large There is the new fish knife with a repository for the bones in the handle,

who has of gold and platinum. There is the entree speen and fork combined, especially adapted to inbeter a la Newburgh There are the new imitation Sheffield.

affairs: which resemble complicated thimbles. You fit them to-your right. forefinger and thumb, and you are thus enabled to hold the leg of a quai! or squab with safety and "style" There are the combined fork and seis-

sors for mangling lettuce-these are sometimes used-and this is almost too horrible!--for cutting spaghetti intothe lengths required by the Goths of our time There is, too, the orange cup, with a

little spring in it, which grips the golden fruit as in a vise. The hostess shows you how to touch the spring! All this reminds me of the answer of a young friend of mine to a person who . asked if he still kept a samovar: "I?

did." he said, "until the engineer stritch." The hostess of to-day who wants to keep in the current of table 'improvements" must be something of a mechanician; but even shill, laboriously arguired and exhibited by the aid of electric lights, changing in color with each course, does not compensate for the loss of that simplicity which permit-

ted a dinner to be merely a perfect back-

The Freak

ground for conversation

Clara How did you get along with YOUT NEW BRASSERSE? Belle - Horribly! She made me beautitully sleader on one side, and then used the wrong movement and made me fat no the other!-Detroit Free Press.

Decidedly.

"Speaking of the theater of war -" began Bellingham, when Goldthorpe interrupted: 'That is the only theater where back

seats are desirable."-Smart Set

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