

## GAS IN FUTURE WARS WILL BE PAINLESS KIND

British General Asserts There Is No Objection to Such Vapors.

## AIRCRAFT GREAT THING

By GEN. SIR LOUIS JACKSON, LONDON, Jan. 31.—It quite clear that we are on the eve of the most extensive modifications in the art of war known to history. The changes made in the recent war were only the beginning. It is necessary to develop new arms with the knowledge that the nation which best does so will have a great advantage in the next war.

There are people who were crying for a reduction of armaments and who declare that another war is an impossibility just as, six years ago, they declared war with Germany was an impossibility. In future wars we shall be exposed to much greater dangers than in the recent war. Germany has not refrained from saying that she hoped for revenge.

I believe that one of the greatest developments in the art of war will be brought about in mechanical transport. The tank was a freak which was called into existence by exceptional circumstances which are not likely to recur, and which if they do recur can be dealt with by other means. The outstanding feature of the tank is that it is completely independent of the roads. That is going to influence most deeply the tactics of the future. If the whole of the transport of an army is carried by vehicles with caterpillar wheels it will be independent of the roads. There would be no long columns of transport. An army could advance in open order on a broad front carrying guns, munitions, supplies and men. At the same time fast cars and motorcycles would be useful for sudden blows at long distances.

### GAS HUMANE IN SOME CASES.

With regard to the use of gas in future wars, there is no more reason to forbid its use than to forbid the use of rifles. There are gases which kill painlessly, and it is easy to conceive cases in which it would be more humane to use gas than explosives. It might be possible to come to some agreement that no gas should be used which would cause unnecessary suffering. Commercial progress and prosperity in the twentieth century will depend on chemistry, and chemical productions must have a great effect on all future warfare.

We need not trouble ourselves yet with flying destroyers, flying concrete forts, but in another year's time the air force estimates may be the most important part of our preparations for war. Bombing and reconnaissance machines will be developed by commerce for the machines used in commerce can easily be adapted for war purposes, and civilian pilots can be taken on with little difficulty. For flying machines special types are required, and highly specialized military training is necessary for the personnel.

One result of a return to open warfare probably will be that bombers will not have the same targets near the front of the armies and will secure better results by going farther afield and bombing the places where munitions are manufactured, stores are accumulated and troops trained.

### WIRELESS TO BE IMPORTANT THING.

Wireless telegraphy will be the principal means of communicating with aircraft, the development of the aerial wireless power used in trench warfare; a ground wireless system will become the standard means of communication between advanced infantry and the headquarters controlling them. I believe also that smoke and light signals, a pillar of cloud by day and a pillar of fire by night, will be used to show the positions they reach.

There has never been a war before in which such an extreme variety of weapons were employed. The long rifle has seen its day and should be replaced by a short carbine which would be accurate up to 500 yards. Each man should also carry a good dagger which might be used to stab the carbine like a bayonet. I do not think the automatic pistol will survive, and I am not sure that the grenade will not also go, if assumed that in future we will have open warfare.

The artillery must be of a character that can be brought to the required position in the shortest possible time. Caterpillar traction should be employed, and if we allow for a daily advance of twelve miles the guns must be capable of an effective barrage up to 18,000 yards. The soldier of the future must be absolutely different from the soldier of to-day. The days have gone by when initiative was considered not only unnecessary, but dangerous. In addition to his rifle, the soldier should be able to handle a Lewis or machine gun, and to help the artillery. He should know something of explosives, have a knowledge of fuses, understand signaling and be capable of handling a ground wireless set. He should receive intensive training and really good instruction.

## IRISH TROUBLES HAUNT PREMIER

LONDON, Jan. 31.—"The history of Lloyd George with regard to the Irish question is somewhat peculiar," says T. P. O'Connor, member of parliament, in the London Star. "It must always be remembered that for some years after his entrance into politics he was not in favour of the Irish. He did not care for it; he felt himself out of place there; he did not like the house, and did not think the house would ever like him. He regarded himself as a fervid propagandist to whom the platform would be much more acceptable than the legislature, and spoke rarely.

"Two things drove him back to the house and to a prominent share in its proceedings. The first was the influence of that wonderful old uncle who was more than a father to him.

"The second influence which brought

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## SOLVES TRAFFIC ACCIDENTS



WASHINGTON, Jan. 31.—Police authorities have a novel way of trying accident cases. In the traffic court miniature models of all sorts of vehicles which use the streets help officers and witnesses to demonstrate just how accidents occur. Picture shows George N. Seriven and Otto G. Manschild, traffic experts, assigned as assistants to the commonwealth attorney in traffic accidents.

back Lloyd George to the house was the presentation by the government of a rating bill—to which Welsh Liberal nonconformity was vehemently opposed. It happened that as a young apprentice to a solicitor's office Lloyd George had learned all about rating; he was able to bring in the documents of the rating of the knowledge of his early days. The rating instinct, he said, is an expression of the racial instinct dating back one hundred million years," he declared.

"The mother watches her young daughter grow and approach woman's estate. The mother sees her own authority and her life ebbing. Likes us all, she wants to live forever.

"Mother is antagonistic to daughter basically, father to son.

"Father loves his little daughters and the woman does on her sturdy men children."

"Of course, manifest evidence of the underlying antagonism is seldom seen in average people. Only when very unusual conditions bring pressure upon this weak point of humanity does it become released to work harm. The savage displays his feelings without attempt at concealment. The civilized person has these instincts so deeply repressed that rarely does a serious manifestation of them take place."

"The race instinct needs an object. Man needs woman and women must choose her mate. They follow instinct in seeking, and instinct is always right.

"Sometimes instinct gets blocked, and then all sorts of complications ensue.

"The man who does not understand the full meaning of the nine words—you must lose your life to gain it."

"The infant daughter would remain within the protecting arms of the mother and of the home. But if she is to found a home of her own and to aid the race to progress, some sort of instinctive machinery must be set in motion to leave father and mother and to cleave to the husband. This is the function of her future which comes in conflict with the comfort of her past, her past associations, her past beliefs, her past ideals,

## MOTHER LOVE HIDES HATRED, SAYS EXPERT

Parent Child Slayer Often Swayed by Biological Antagonisms.

## OLD PLEA CAMOUFLAGE

NEW YORK, Jan. 31.—Mother love, customarily regarded as the strongest and most steadfast of human emotions, may become, under the influence of a natural biological antagonism between the parent and the child of the same sex, a passion of jealousy and hatred that would lead a mother to slay her female offspring. This, at least, is the opinion of Dr. Edward E. Jelliffe, noted psychologist and mental expert of New York.

Psychologists have advanced the theory that it was love that impelled a mother recently to murder her 10-year-old daughter. Dr. Jelliffe is convinced that it was a biological instinct, inherent and older than the emotions; a passion of jealousy, the not even the "mother love" instinct could overcome.

"The instinct that prompted the mother's act in slaying her daughter is an expression of the racial instinct dating back one hundred million years," he declared.

### LOVE CREATIVE, HATER DESTRUCTIVE.

"A natural biological antagonism exists between a parent and a child of the same sex. This dwells in the unconscious mind and its various manifestations are often incorrectly labeled as love. Love is creative, never destructive.

"The race instinct that is in us all tends to evolution. The new generation must be different and better than the old. The old feels a bitter inferiority, and justly so.

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"Antagonism, even hate, is shown.

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her past lollipops. If she is to lead a new life these must rearrange themselves about a new future. Here the old instinctive, unconscious antagonism to the same sex parent starts to separate the child from the home and to work to advance it makes the future more valuable than the past and thus assists evolution. Its opposite leads to destructive wishes which are often camouflaged under the guise of great love or devotion.

### MATERNAL LINE ONCE HELD SWAY.

"One reason the race antagonism is more often felt in the female line is that it was in the old days when descent by the maternal line held sway.

"Inheritance and the family name were the dominating factors in the race.

"This rule is found in modified form in this country among our North American Indians. The history of the country shows a survival of a period in which children take the mother's name instead of the father's and whereby property descends through the female line.

"Bernard Shaw was right when he said every English girl hated her mother, but he should have added, this is often, most often, purely unconscious and involuntary.

"When the mother kills, as in the case in question, she must compensate for her hate and say it is 'love' that caused the deed. She tries this over-compensating camouflage of pasting another label on the act, calling it by another name.

"She does not subject her feelings to sublimation! She is infantile in her outward expression of hate.

### DOWN TO TOO MUCH SELF-PRESERVATION.

"It was the state of her own feelings toward her own mother, and so she knows only too well how the daughter feels toward her.

"The mother expresses the mother's craving for what the daughter represents—the independence and beginning of her own individual life. This is the state of mind that she wants to continue in her own life and walls over its departure. She dwells too much on the self-preservation idea—the

"I am safe" instinct.

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