POULTRY

The Old Hen Will Always Be a Factor In the Incubator Game-Valuable Hints on Hatching.

It is very difficult to write any-thing new upon the subject of na-tural incubation, but as I have had tural incubation, but as 1 have had considerable personal experience, which means so much in the poultry game, I may be able to bring out a few points that will be of some fowls, and always hatch all I can naturally. I also use incubators which have a capacity of over 2,000 eggs. I use the Talman style of house, 20 feet by 20 feet in dimeneggs. I use the Talman style of house, 20 feet by 20 feet in dimen-sions, capable of housing one hun-dred hens. I have partitioned off loss is noticed. Chicks enjoy cultivated ground to scratch in. It is always wise to place the coop along a corn patch

hot.

rive just as the summer days grow

A good plan is to sow some let-

Teach Young Chicks to Roost. Get the chicks to roost as soon

I find

the west third of the building for my setting hens, leaving the roots for the fowls that are not hatch-ing, on the north side. where they can scratch for worms and insects. They do the corn no harm, and it affords them good shade. This shelter is especially necessary for late chicks, which ar-

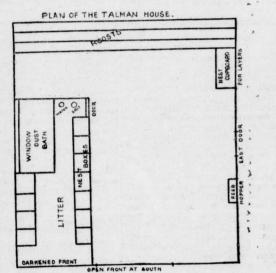
In this section I set about ten hens. More might be set, but I have better results when only ten are setting together. The nests are

are setting together. The nexts are about twelve inches square and nine inches high, all in a row, and are built upon the floor. In the bottom of these I put earth, making sure that the corners are built up and the centres slightly hollowed out. On this soil I next put about two inches of fine ateam out pusfaved twee for the chicks. The seed is not dear if bought by the ounce; the plants are always tender and work into the ration well after the grass gets dry and hard. Rape and Swiss chard are good green also, and are easily raised. 1 inches of fine straw, cut preferred, or chaff. It is well to go over these it a good plan to hopper feed the chicks just as soon as they are able to eat coarse grain. Unlike grown fowl, the young chicks will never get too fat. nests with a solution composed of seven-eighths kerosene and onecights carbolic acid, using a white-wash brush to thoroughly disinfect the corners and joints. Another plan is to whitewash the nests thoroughly. Unless great precau-

as you can. They do far better than when crowded in small coops. tion is taken mites are very apt to bring destruction to the brooding pen

Set the Hens After Dark.

A good plan is to use a colony house built on runners which can be drawn about from place to place. The nests all should be got ready in day time, and after dark the hens should be placed upon these gently. No lights should be used, These can be built very cheaply, and the chicks are better in them hens should be placed upon these gently. No lights should be used, and they should be set upon china eggs or infertile incubator eggs at first. After that she should be left growth.



alone for about twenty-four hours | The chicks can be taught to roost alone for about twenty-four hours until she really gets down to busi-ness. After that these eggs may be taken out and hatching eggs set under her. About nine out of ten hens will stick to the job if good, quiet ones have been chosen, Leg-horns included. In fact, I have had the best luck with the Leg-horns, as they are so much lighter that they heak very few eggs. My would go back every night to the old coop. In this article I have only opoken that they break very few eggs. My experience has been that I get

of hatching conditions and the sur-roundings which go toward suc-cessful rearings. I have not spoken of the feeding of the young flock, more chicks from thirteen eggs un-der Leghorns than I do from fifteen er the heavier breeds.

A Neat Reply.

said the barrister, "and I

Going the Limit.

# THE AYLMER EXPRESS. THURSDAY. APRIL 22, 1915



May Find Help in This Letter.

Swan Creek, Mich.-"I cannot speak When



down and my appe-tite is poor and I have that weak, lanhave that weak, lan-guid, always tired feeling, I get a bot-tle of Lydia E. Pink-ham's Vegetable Compound, and it builds me up, gives me strength, and re-stores me to perfect

health again. It is truly a great blesshighly of it. I take pleasure in recom-mending it to others."-Mrs. ANNIE CAMERON, R.F.D., No. 1, Swan Creek, Michigan.

#### Another Sufferer Relieved.

Another Sutterer Relieved. Hebron, Me.-"Before taking your remedies I was all run down, discour-aged and had female weakness. I took Lydia E. Pinkham's Vegetable Com-pound and used the Sanative Wash, and find today that I am an entirely new woman, ready and willing to do my housework now, where before taking your medicina it was a dread. I try to your medicine it was a dread. I try to impress upon the minds of all ailing women I meet the benefits they can derive from your medicines." - Mrs. CHARLES ROWE, R. F. D., No. 1, Hebron, Maine.

If you want special advice write to Lydia E. Pinkham Medicine Co., (confidential) Lynn, Mass. Your letter wil be opened, read and answered by a woman and held in strict confidence.

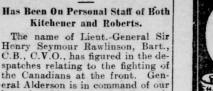
### THE SUBMARINE.

## How the Under Water Vessel Sees the Enemy.

The commander of a submarin observes what is going on at the surface by means of the periscope, but when that is submerged he see nothing. And if he moves his ves sel while using th periscope he leaves a white flake on the water which exposes him to the enemy. Mowever, the periscope is some-times of a length-about seventeen feet-to give partial safety; as when the tip only shows, the boat is unlikely to be damaged by an enemy's fire, although if the periscope chances to be shot away it might cause a fatal leak. Also the submarine can be rammed.

The diving rudders are mounted in pairs, one on either side fore and aft, with an ordinary vertical rudder at the stern for lateral steering. Each motor set drives a reversible propellor. The accommodation for the navigating officers is in the conning tower, while the quarters of the crew of ten men are in the

for the crew of the men are in the bow, as is also the galley. In the lake types of the German class of submersibles, Diesel en-gines, using heavy oil in preference to the more volatile and inflammable petrol, are used. These mo tors develop from 200 to 220 horse power. For underwater navigation the usual electric motors are utilized ed. The heavier oil engines are ed. The heavier on engines useful in those seas where the light-er fuel is unobtainable. When gaso-Ine is used, as in some types, the radius of action on the surface at the reduced speed of nine knots is



boys, but Lieut.-Gen. Rawlinson is in charge of the division to which the Canadians are attached. His first service was in Burma, with the 60th Rifles, where two years were spent in a tedious cam-paign against dacoit bands. Lord Roberts next made him one of his aides, a fact which undoubtedly had much to do with his subsequent suc

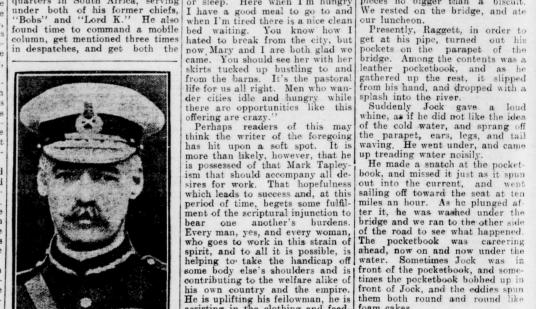
LIEUT.-GENERAL RAWLINSON.

cess. Regarding this post he attended the Staff College from which he eventually passed out extremely creditably. By this time he was quite the scientific soldier, and, what is more, exceedingly ambiti-ous and capable. Thus it was that, ous and capable. Thus it was that, in 1898, he became D.A.A.G. to Lord Kitchener, and was present in that capacity at the battles of At-bara and Khartoum. K. of K. en-dorsed Lord Roberts' opinion of his brains by mentioning him twice in despatches and in taking this comparatically year

comparatively young officer very much into his confidence, indeed, treating him as one of his right-hand men.

A Defender of Ladysmith.

By this time he was no longer a By this time ne was no longer a rifleman, having exchanged from the 60th into the Coldstream Guards, and on war breaking out in South Africa, Sir George White, who was very much one of "Bobs" men and an admirer of "Bobs" discovering acted to have him on discoveries, asked to have him on his staff in Natal. The consequence of this request was that, as A.A. of this request was that, as A.A. G., Rawlinson was with Sir George during the defence of Ladysmith. Though nowadays the siege of that place seems almost a small episode, vet it must not be forgotten that defending force suffered tremendous privations and showed the utmost skill and gallantry in de-fending Ladysmith until its relief.



Lt.-Gen. Sir Henry S. Rawlinson.

King's and Queen's medals with eight clasps. By this time he had convinced everyone that he had brains, so his appointment as com-mandant of the Staff College was considered eminantly suitable and

Essentially a Sportsman.



Jock was a commonplace mongrel. His very faults were nega-tive and uninteresting. He was grel. His very faults were nega-tive and uninteresting. He was greedy, often cowardly, always plaintive, and constantly tried to draw notice to himself by absurd exhibitions of energy. The only distinguished thing he ever did in distinguished thing he ever did in his commonplace life was to die. It The unemployed problem is still was his greatest adventure, and it brought him the attention that he existent in the cities and the scare-ity of labor is still complained of in rural districts. The question is how can the one be reconciled with D. Haviland in Fry's Magazine:

the other, and the one brought to supply what the other needs and a terrier called "Rip," whose clethe other to take what the one ver tricks completely overshadowed possesses in excess. After the war there may be a rush of immigra- but the mongrel never showed any tion, but that cannot be for a year at least. We must, therefore, make the best of the situation and try to get along with what we have. A Toronto paper has been publishing the best of the situation and try to get along with what we have. A Toronto paper has been publishing the best of the situation and try to get along with what we have. A Toronto paper has been publishing the best of the situation and try to get along with what we have. A Toronto paper has been publishing the best of the situation and try to get along with what we have. A Toronto paper has been publishing the best of the situation and try to get along with what we have. A Toronto paper has been publishing

letters from a number of men who have accepted positions on farms. and, and at noon we crossed the have accepted positions on farms. They all, without exception, speak in good terms of their experience. The pay is not lavish, but the food is good and abundant, the bed clean and life in the open brings a keen appetite for meals and a plea-sant desire for sound refreshing clean on the vater, lip-lapping halfway up the piers of the bridge, was the color of weak tea. Big sant desire for sound refreshing clean on writag: ''L have the current hut on the windword fending Ladysmith until its relief. Rawlinson did so well with Sir George that he next went to head-quarters in South Africa, serving under both of his former chiefs, "Bobs" and "Lord K." He also when I'm tired there is a nice clean found time to command a mobile

Perhaps readers of this may think the writer of the foregoing of the cold water, and sprang off the parapet, ears, legs, and tail waving. He went under, and came up treading water noisily. He made a snatch at the pocketthink the writer of the foregoing has hit upon a soft spot. It is more than likely, however, that he is possessed of that Mark Tapley-ism that should accompany all de-sires for work. That hopefulness

ism that should accompany all de-book, and missed it just as it spun which leads to success and, at this period of time, begets some fulfil-ment of the scriptural injunction ment of the scriptural injunction to bear one another's burdens. Every man, yes, and every woman, who goes to work in this strain of spirit, and to all it is possible, is helping to take the handicap off some body else's shoulders and is contributing to the welfare alike of his own country and the empire. He is every more than the endies of his own country and the empire. He is every more than the endies of the source book was in some body else's shoulders and is the pocketbook bobbed up in his own country and the empire. ment of the scriptural injunction to his own country and the empire. He is uplifting his fellowman, he is assisting in the clothing and feedthem both round and round foam cakes.

assisting in the clothing and reed-from cakes. ing of his countrymen, may be his townsmen at the front, and he is setting an example that cannot be too extensively followed. He is doing his share towards are consult. doing his share towards reconciling the wants of the city with the needs of the country. He is also proba-bly prolonging his own life as well as making matters easier for others. Above all he is proving him-

Farm When a farme: be just as part furer is. That WE HAVE TH farm machiner COCKSHUTT If you don't b In any case it is

> F Sydenham Stre



**Buy Cana** bother and guara protection of you the weather. Tr Canada Paint. simple, the resi scientifically by 1 supervision of me paint. Only the tested for purity,

and pure coloring

WRIGH

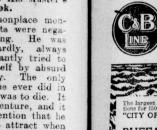
Builder'

Merit. <sup>CH</sup><sub>spe</sub>

brains, he has energy, and the power to command; with this com-bination there is little doubt but that the men under him have full confidence in him and will follow him to the end. He is a product of Eton, and Eton may well be proud of him.

CITY AND COUNTRY LABOR.

THE END OF A CUR. Died Trying to Save His Master's Pecketbook.



**BUFFALO**-Beautifully colored s Ship "SEEANDBEE or our 24-period

Thurse

A GI

SAVI

E. W.

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FARE \$

THE CLEVELA

which would come under another heading.—By L. G. Wert, in The Canadian Countryman.

I hang burlap between the hatch-ing fows and the laying flock, as they are very apt to quarrel, and to break the eggs. I also darken the front of this enclosure with bur lap, as I find they are better con-tent if not in too light quarters. In this enclosure I have a dust bath. The hens, also, should be given a thorough dusting with insect powder before the permanent eggs are put under them, and again just before the chicks are hatched. I give them a straw litter to enamong the lawyers seated at the barristers' table courage them to exercise, also. I feed the hatching hens corn

Not being able to make head or tail of it, the friend scribbled something absolutely undecipher-able upon a half sheet of notepaper They have daily, and should have and passed it up to the judge. Sir George looked somewhat annoyed plenty of grit in front of them at all times. when he glanced at it, and when the

court rose he spoke to his friend, and said, "What do you mean by I find that in a pen of this kind I find that in a pen of this kind it is not necessary for a hen to occupy the same nest all the time. Should they all happen to get off at once, some will take to the nests this? I asked you to come and dine with me to-night. Yes, replied that I should be extremely glad to do so.

before others, and the last one to get on will walk along the row and will almost always take the nest that is left. Where the nests are that is left. Where the nests are not on the floor, however, two are Jones was one of those men who grumbled at everything and every apt to get on a nest, leaving some body. He was once attacked by in flammatory rheumatism and way All the of them vacant. All the hens should be set at one time. If they are not, the hen that gets chicks are not, the hen that gets chicks was very devoted to him, in spite first is very apt to have company of his fault-finding disposition. His

tear's sometimes as she sat by his bedside.

hrst is very apt to have company to share her joy, as the otherc usually leave their eggs. After the chicks are all hatched, I leave them in the nest about twenty-four hours, placing them then in coops, which have been pre-pared before hand. I always like to have the come on an elevation I leave them in the nest about twenty-four hours, placing them then in coops, which have been pre-pared before hand. I always like to have the coops on an elevation. Otherwise, rain storms will flood them. Last summer we had a storm here at Wales that registered over three inches on the level. If the coops had been on the level I cer-tainly would have had trouble. As

1,450 miles, while submerged per hour.

Special arrangements have been made to secure an adequate ventilation of the interiors of the boats. During surface operations the air is drawn in from outside. When travelling submerged, the heated In "My Varied Life," Mr. F. C. Philips tells an amusing story of the English judge, the late Sir George Honyman, who wrote a wretched hand. On one occasion Sir George sent a note to a friend atmosphere of the engine and the exhaled air of the crew is drawn off through ventilators which pass

it through various filtering, oxy-genating and cooling devices, after which it is returned to the interior and is fit to be breathed again.

army.

Various safety appliances are fit-ted to prevent the vessel being placed hors de combat either by hostile fire or accident. The water ballast tanks can be emptied of water and charged with compressed air very rapidly, there being a reservoir of 123<sup>1</sup>/<sub>2</sub> cubic feet capacity constantly maintained under high pressure for this purpose.

## Great Wall of China.

Few people realize what an al-most perfect condition prevails along a large part of the great wall of China. The bricks of the para-pet are as firm as ever, and their have stood the severe climatic edges conditions of North China with scarcely a break. The paving along the top of the wall is so smooth of his fault-finding disposition. His that one may ride over it with a bi-suffering caused her to burst into cycle, and the great granite blocks

the milk of human kindness.

1,450 miles, while submerged it is considered eminerally suitable, and others. Above all he is proved in the prove in the proved shot, and later of a division on Salisbury Plain . He is essentially Te

What Corn to Grow.

a soldier of the modern school of thought, and believes that brains An investigation conducted by the Seed Branch shows that about are better than beauty, initiation more useful than pipeclay. Most more useful than pipectay. Added sixty so-called varieties of corn are men with the money he has would have retired long ago. Only the love of his work and a desire to distinguish himself kept him in the low of the fetty research and the source of age sixty so-called varieties of corn are He is only fifty years of age. Essentially a Sportsman. He is essentially a sportsman: of the grain, which is the necessary even at Sandhurst he kept polo ponies, rather to the envy of a good Some ordinary feed corn imported many people who could not afford to do likewise, and where there is from the Central and Southe States is used for seed. Most uthern there "Rawley" is to be found. He unsuited to Canadian conditions can laugh very heartily and tell all and is often injured by heating.

sorts of stories exceedingly well. The following recommended var-He also confesses to a predilection leties of corn are arranged in order He also confesses to a predilection for drawing, and there are few men in the service, even including the "mad, married, or methodist" sappers, who can make a field map quicker or better than he can. He has found time to get married and become a father. He also found time to succeed his father as second baronet. General French has told us much

General French has told us much that he has done in France, and all that he has told us is to "Raw-ley's" credit. Amongst other all that he has told us is to that ley's' credit. Amongst other an increased acreage is r things we learn that upon one occa-give the desired quantity.

that one may ride over it with a or cycle, and the great granite blocks with which it is faced are smooth and as closely fitted as when put in place more than 2,000 years ago. There are now living in cities John's orders and refusing to sac-who have had experience in truck to here are now living in cities and as closely fitted as when put in place more than 2,000 years ago. 400 miles; it is twenty-two feet high and twenty feet in thickness. At intervals of one hundred yards or so there are flowers some forty feet in height. Anger is the thunder that sours the milk of human kindness. Anger is the thunder that sours

foot drop on the rocks. A big brown wave heaved itself up above the place, and suddenly we saw Jock's head bob up in the middle of it—a dark spot amidst the tumb-ling water. Even at that distance, I could swear that he had the pocketbook in his mouth. Then he disappeared over the weir.

I was duck shooting about two miles down the river the next day when I found Jock among the flot-sam, jammed against an alder tree. He was quite dead, and his ribs were crushed, but his teeth were so firmly clenched on the pocket-book that it was difficult to pull it out of his mouth.

Enough, But-"Why didn't you enjoy the party, Harry? Didn't you have enough to eat?

34

Young Hopeful - Oh, yes; but there's no fun in having just enough.

Probably there is no reason doubt the sincerity of an army mule that supports the back-to-the-farm



will prevent the little illness of today from becoming the big sickness of tomorrow and after. For troubles of the digestive organs you can rely on

