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Ballads. 7 O'CLOCK. SATURDAY

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#### THE AGILITY

and prodigious leaping powers of the KANGAROO are famed all the world over. Its agility, however, is excelled by the ease and quickness with which

expels dirt from the clothes in the wash. SUNLIGHT SOAP enjoys well-earned and world-wide distinc-

tion as a Soap of the first quality. Its reputation is maintained by the £1000 Guarantee of Purity given with every bar, and by the good report of millions of housewives who use it daily.



## Machine Guns of Allied

The present war may be very aptly machine-gun takes a leading part. in doubt, the weight and constant im- magazine to the chamber. mobility of the existing models materially reduce their value when em-

type now in use may be placed the placing emtpy magazines with loaded wis Automatic Machine-gun (whice is largely used in the British and Belgian trenches, and with which the aeroplanes of these two forces are armed) and the Hotchkiss "mitrailleuse portative" used by our French Allies. Both these arms may be termed automatic rifles, in that they are light enough to be moved by one man': though the Lewis-which, complete with its tripod, weighs slightly less than thirty pounds-is the lighter of the two and can be fired from the shoulder by a powerful man without the support of a tripod or other bar

#### Novel Mechanism.

The mechanism of both these guns is operated by a portion of the propelling gas and not by the recoil, as in some other makes and, although these two models vary in detail, as will be explained later, the broad principle employed is the same, and

cartridge being fed from the mag- this never becomes necessary. azine into the firing-chamber

British and Belgians Use Lewis Weap- | the bullet leaves the barrel, under the on, Automatic Rifle-French Prefer influence of the gas-pressure, it un-Hotchkiss Model-Both Simple in covers a hole connecting the barrel with a cylinder below lying parallel with it, and a portion of the gas passes into the lower cylinder, driving back the piston, and, with it, the rod described as a war of mechanics rath- against the pressure of the mainer than of men, and amongst the me- spring. This movement of the rod chanical contrivances the prolific use recocks the gun, throws out the exof which justifies this definition, the ploded cartridge case, and during the early stage of its return journey Whilst the capability of this weapon under the mainspring's influence, transfers a live cartridge from the

ger the firing ceases, and the gun reployed by an attacking force of in- mains cocked until the trigger is The extraordinary efficiency again pressed; if, however, he keeps of the best machine-guns, when suit- a continuous pressure on the trigger, ably mounted, has encouraged in the weapon continues to fire until all ventors to investigate the possibili- the cartridges in the magazine are ties of a lighter form to be easily car- exhausted, the rate of continuous fire ried, and operated when necessary, by being as high as 440 rounds per min-

#### Heat Rapidly.

The dissipation of the intense heat leveloped by the almost continuous ombustion of explosive charges in the barrel of the machine-gun presents a somewhat difficult problem, and failure to accomplish this efficiently causes the barrel to become red-hot and prematurely to explode the incoming cartridge. The barrels of the Lewis and the Hotchkiss guns are both cooled by means of ribs which radiate the heat into the atnosphere, those of the Lewis being placed longitudinally and contained in a steel casing, through which cool air is drawn by the "exhausting" effect of the powder blast in the muzzle end of the casing, in the same way that the air is drawn through the fire box of a locomotive by the blast of the exhaust steam in the chimney.

It is practice in the case of the Hotchkiss gun to carry spare barrels. A detachable magazine loaded so that the hot one can be detached with a number of cartridges (forty- and replaced by a cool one before it that the gun can be dismantled, and seven in the case of the Lewis) is reaches a dangerous temperature; any small damaged part replaced. attached to a suitable fixing on the the air-blast scheme on the Lewis well inside five minutes. The weapon barrel near its after end, the first gun, however, keeps it so cool that

The recoil on the Lewis gun is abby the first forward movement of the sorber-or rather, counter-balanced the butt stock may be removed and a firing pin, which is however, arrested |-in a very simple and ingenious before the striker reaches the cart- manner, the gas from the discharge ridge unless the trigger is held back. being directed by means of a cone at-When the trigger is pressed, the tached to the muzzle of the barrel striker, carried forward by the main- proper, on to the inner surface of the spring explodes the cartridge in po- casing, so that the friction between sition in the firing-chamber. Before the gas and the metal casing tends

## Crusts in the Nose, Frequent Sneezing. You Have Catarrh-A Disgusting Disease

Relief in Five Minutes-Certain Cure | so full of power to cure every type of Follows if Catarrhozone is Used.

Don't stay stuffed up with a sore nose, eyes running and breath bad. Use Catarrhozone!

Take one breath through the inhaler -just one single breath and see how it clears out the nose, how it makes you breathe free and easy.

all day to get it either.

No other treatment is like Catarrh- | with Catarrhozone." ozone or is able to drive catarrh so completely out of the system.

ing piney vapour, so rich in healing, everywhere.

throat trouble, hoarseness, pain over the eyes, bronchitis and Catarrh. Germs that may be lurking in the mouth, nose or throat, Catarrhozone will destroy them. In this way it prevents many an ill.

"I am never without Catarrhozone Inhaler," writes E. J. Jameson, of Huntington. "Use it for a minute and there can no longer be any doubt Relief from Catarrhozone is quick it stops a cold at its beginning. If the that Rigaud was visited by an aeroand effective—you don't have to wait cold has a start, or if its catarrh or a plane on Sunday night. bad throat, you can easily cure it

If suffering from throat droppings, aeroplanes had been seen in the vicrunning eyes, active nasal discharge, inity of Rigaud, Mr. Ogden sent Rioux You don't take anything internally choked condition in the nostrils-re- out to investigate. The officer visitin using Catarrhozone—you don't run member Catarrhozone will quickly ed Rigaud, and followed the track of the chance of spoiling digestion or les- cure you. Get the large \$1.00 outfit. the aeroplane thence to St. Andre, seeing appetite with a bad tasting It does the trick cure. Small size which is only 28 miles from the borne dicine. Just breathe in that sooth- 50c.; a sample size 25c. at all dealers der. He took affidavits from citizens,

to carry the gun forward with the stream of gas, and so counter-balances the force of the recoil acting in the opposite direction. The main spring of the Hotchkiss gun takes the form of an ordinary coil-spring acting in compression situated in the cylinder underneath the barrel: while the same unit in the Lewis is a spring of the type used for the mainspring of a watch, but naturally of a much greater power. This spring is coiled up in a circular case attached to the gun just in front of the trigger, in a position sufficiently far from the barrel to be unaffected by the heat, and, consequently, in no danger of losing its temper from overheating. The Hotchkiss mainspring acts directly on the piston rod, which it sur-

#### rounds: whilst the Lewis is coupled to its rod by a rack and pinion.

The magazine of the Lewis gun is circular in shape, the forty-seven cartridges with which it is loaded lying radially in two layers with their bullets pointing towards the centre The complete cycle operations in

the Lewis gun is a follows: The explosion of the cartridge in the chamber causes a gas-pressure, by way of the hole, on the piston. This pressure drives back the piston and its rod, and winds up the mainspring by means of the rack and pinion. In its packward course the piston rod carries with it the holt, which, when in the firing position holds the cartridge in the chamber. The bolt at the moent of firing is firmly locked against **Armies Marvels of Kind** he base of the cartridge, but it is caused to make a partial revolution, under the influence of the backward motion of the piston-rod, by the engagement of the post carrying the striker with a cam-slot in the bolt. This partial revolution disengages the block on the bolt from corresponding blocks in the fixed part of the gun body, and leaves the bolt, to draw the empty cartridge, the picton rod, and, by means of the extractors fitted in the sides of the bolt to draw the empty cartridge case out of the chamber until the ejector, by striking side of the action. The ejector is a flat bar curved towards the bolt at both ends. lying alongside of the latter in such a position that the bolt. on its passage backwards, strikes the after end of the ejector, and, in doing so, throws its front end forward

the mainspring therefore comes into action and the rod travels forward, carrying with it the bolt, the front end of which engages with the after end of a cartridge dropped from the magazine above and carries it forward into the chamber. The bolt, having arrived at its forward position in contact with the cartridge now in the chamber, the piston rod (and with it the striker and post) still travels forward; and, by the action of the cam-slot in the bolt, causes the latter to be partially revolved, and, consequently, securely locked before the striker reaches and explodes the cartridge, which it does at the forward end of its stroke, starting the cycle of operations over again.

The Lewis gun is designed in such manner that the only tool necessary to dismantle it completely is an ordinary service cartridge, the point of whose bullet is used to disconnect every portion of the mechanism; and this operation is such a simple matter takes the service ammunition, and its range is similar to that of the service rifle. When used on a fixed mount. "spade handle" substituted.

### Aeroplane Flew 1 Over Ouebec Town.

Affidavits Were Secured by Inspector

ens. In his report to the Registrar, day. These affidavits, made by prominent citizens of both places, were so explicit and tallied so exactly that

As soon as the reports were published in the Montreal papers that who had seen the air craft, and in

## **Banish Pimples!**

that the blood is impure.

Abbey's Effervescent Salt is the simplest and most positive Blood Purifier that can be used. When we have perfect digestion we must have pure normal blood, which supplies healthful nutrition to all the organs and tissues of the body; and as a result we must have healthy functions and the absence of disease in any form. Abbey's Effer. of disease in any form. Abbey's Effer-vescent Salt produces this condition by ensuring healthy digestion and the elimination of all morbid matter from

### Sold everywhere.

description of the machine itself. In his report to Mr. Ogden, Inspector Rioux stated that the aeroplane had been seen by a number of people at Rigaud last Sunday, between nine and half-past ten in the evening. It was flying at a height of about 700 feet, and was clearly visible, carrying a strong light. The machine was de scribed as apparently an ordinary b plane, with two men in it, the pilot and a passenger, and a number o those who made the affidavits swore they had clearly distinguished the machine and observed the two men in it. The machine hovered for some time over Rigaud, and then disap-

place and found numerous citizens persons also made affidavits that they travelling rapidly at a height of about toward the American boundary.

What adds to the significance this aerial incursion is the fact that Rigaud, and the aeroplane was hov ering over this plant for some tin What has not been explained is the the weapon continues to fire until all the cartridges in the magazine are exhausted, the rate of continuous fire ites of a lighter form to be easily carried, and operated when necessary, by one man.

Amongst the best weapons of this cluding the interval occupied by respect now in use may be placed the placed the placing emtpy magazines with loaded levels and so ejects it.

Nearly "Fool Proof."

When the piston rod reaches its extreme backward position the bullet has left the barrel and the gas not advertise its presence with a didition to this, any airship coming with hostile intent would certainly not advertise its presence with a left the barrel and the gas not advertise its presence with a placing emtpy magazines with loaded let has left the barrel and the gas not advertise its presence with a placing emtpy magazines with loaded let has left the barrel and the gas not advertise its presence with a placing emtpy magazines with loaded let has left the barrel and the gas not advertise its presence with a placing emtpy magazines with loaded let has left the case and so ejects would naturally be guided by the ground lights, and a light on the case of two lights, and a light on the case of the case and so ejects would naturally be guided by the ground lights, and a light on the case of the case and so ejects with its trikes the case and so ejects when the case and so ejects with a provide with lights, and a light on the case of the case of the Lewis gun, in addition to this, any airship coming with hostile intent would certainly not advertise its presence with a placed the placed th pressure on the piston is relieved; glaring light. The whole proceeding adds to the aerial mystery, which is not only exciting the people around Montreal, but engaging the active attention of the Military and other au-

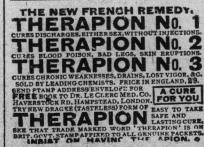
#### PAGE OF SECRET HISTORY.

"Mr. H. Wickham Steer, more than any living writer, knows the secret history of the weeks which preceded the great war," says the Mail. "He has disclosed a good deal that is not to the history of the weeks which preceded the great war," says the Mail. "He has disclosed a good deal that is not better while preparety in his little page." yet public property in his little pamphlet 'L'Angleterre et la Guerre' (Colin, Paris). In this he shows, inter alia, the extent of German intrigue and influence in this coun-He makes these most important statements: That the Kaiser in a letter promised Austria his full support in a great war on July 14, 1914; that there is documentary evidence that there is documentary evidence that one of the Kaiser's advisers saw this letter; and that on the 16th it was believed in Germany that the Austrian Emperor had signed the ultimatum to Serbia that same day."



THOMAS TO SEE FOR HIMSELF. Ottawa, July 27.—After holding several conferences with the Canadian Shell Committee and with members of the Government, D. A. Thomas, M.P., and his associates, representing Mr. Lloyd George, the British Minister of Munitions, have decided to make a tour of inspection of east-Rioux, of Enemy Alien Staff.

The first really definite confirmation of the recent reports as to the advent of aeroplanes flying at various places in the Montreal district, was brought to Montreal last week by Mr. G. H. Rioux, assistant to Mr. C. G. Ogden, K.C., Registrar of Enemy Aliens. In his report to the Registrar, ens. In his report to the Registary
Mr. Rioux presented affidavits from
reputable citizens of both Rigaud and
St. Andre, testifying that they had
seen an aeroplane the previous Sunseen aeroplane the previous Sunseen aeroplane the previous Sunseen aeroplane the previous Suns later on other plants in other parts



MINARD'S LINIMENT CURES GAR-

Just Received per Stephano:

# American Specialties

2500 yards Fine American Shirting, in short ends, 4 to 9 yards, 36 inches wide, worth 12c. to 14c, for 9 cents.

300 yards Fancy Mercerised Handkerchiefs, 4 and 6 Handkerchiefs to the yard, for 12c yard.

10 pieces American Curtain Scrim, Cream Ground, with dainty Fancy Border, only 25c yard.

20 pieces American Ginghams, fancy checks, 11c yard. Pillow Cases, frilled edge, jobs, for 30c, worth 40c.

A Few More of the

# Popular "Congoleum"

Squares.

Get Busy and Secure One.

# Bowring Bros., Ltd.

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# **Our Great Clearance Sale**

On Monday we start our MID-SUMMER CLEARANCE SALE preparatory to Fall preparations. We have assembled a large stock of Furniture, Beds, Springs and Mattresses for this Sale and expect to make it the banner sale for the year. Prices are sharply reduced to make speedy clearance, so that you can save from 10 to 50 per cent. by buying now. Goods bought now will be stored free of charge until required. We mention a few of the lines listed:

PARLOUR SUITES, DINING SUITES, LOUNGES, FANCY CHAIRS & TABLES, MORRIS CHAIRS, STUDENTS' CHAIRS, WRITING TABLES,

BOOK CASES, WATNOTS, CHINA CLOSETS, SIDEBOARDS, EXTENSION TABLES, COUCHES, CHAIRS, BUREAUS & STANDS TOILET TABLES, WASHSTANDS, PICTURES, MIRRORS.

And we have a large assortment of BEDS from \$3.50 up; SPRINGS and MAT-TRESSES from \$2.00 up; STRETCHERS, just the thing for country, only \$2.50 (bed and spring combined). Then we have our COMBINATION BED, SPRING and MATTRESS, only \$7.50 set.

Young people contemplating marriage should give us a look in before buying.

Buy Now

AND Save **GOODS** Stored FREE

MARCH Co'.y, Ltd.,

## AJAX TYRES!

We are now carrying in stock, in addition to Columb Tires, Ajax-Grieb Heavy Iron Skid Tires, and also carry all kinds of

**AUTOMOBILE ACCESSORIES** such as Demountable Rims, Patches, Tire Irons, Liners, Spark Plugs (all kinds), and everything for the Motor Car, which we are selling at very

GEO. M. BARR.

#### Grove Hill Bulletin THIS WEEK.

Wreaths and Crosses, Wedding Bouquets. Sweet Peas,

Cut Flowers, &c. CASH ON DELIVERY. 

J. McNEIL, Waterford Bridge Road.