PACKAGE

## Making of Aviators

By E. H. Ackland

Most Dangerous Work.

gun fire and also by bomb' dropping. plane. as "contact patrol" work, flying at a gerous, it has its compensations, for height of from 100 to 1,000 feet dur- in no branch of the army has an ofing the attack, their prime use being ficer such a chance to make a name to afford a means of communication for himself, and, more important, to between the attacking troops, who conserve the lives of his countrymen are cut off by the barrage fire always who are fighting below on terra put up behind them, from their sup- firma. porting troops in the rear. The At various prearranged intervals

above by a paneau, which is a little All this procedure is actually refirst squadron to do contact patrols advance behind the lines, so that on the Somme was the writer's, there may be no hitch in the final vation planes of that period "Mor- terrible that no runner could get a capable of nearly 100 miles an hour. its speed accomplishes what is im-They derive their name of parasols possible on the ground. from the fact that the wings are | During one of the attacks on Bulleabout two feet above the body of the court by the Australians some of plane, thereby giving an unobstruct- their impetuous troops got too far ed view. Their only drawback is ahead of those supporting them, and that they are very delicate machines were in great danger of being cut off. to fly, They cannot be looped, ow- In fact they were ahead of their ing to their construction being too creeping barrage. Contact patrol

of Aeronaufies recently made the ened to protect them. Unfortunately statement that the life of a Contact things went badly, for many of them Patrol airman in France in actual war ran short of bombs and were cut off. flying time was somewhat less than Here again the aeroplanes took a seven hours. He was not much in hand, and did their best to retrieve error, as the height at which they the situation by firing at their capfly makes them a target for every tors, who, however, ran in amongst type of gun, from rifles and machine the captured Australians.

LOCAL BRANCH TIME TABLE

IN EFFECT MARCH 31ST.

Fraine will leave and arrive at City tation, Foot of Johnson Street.

Nos. 1, 13, 14, 16, 18, 19 run daily. Other trains daily except Sunday.

"Contact Patrols," the Airman's | guns to light field artillery, the most dangerous being the "box barrages" The part played by our low flying that the enemy put around them. To machines during the great German escape, the machine must go through offensive on the Somme will some day one of the walls of the "box" which be fully brought to light. These is pretty risky work. Perhaps the machines, originally organized for best plan is to spot the machine gunattacking purposes, played a heroic ners and give them a dose of their part in helping to stem the tide of own medicine, for Fritz has a decided attacking Germans, both by machine aversion to being killed from an aero-

These machines do what is known | While such work is naturally dan-

planes must consequently fly in the during the attack the "contact" aerowall of fire put up by our own artil- plane signals by means of a Klaxon lery and the Germans, in addition born for what are known as "flares." they are subjected to a terrible rifle These are little boxes of red fire, and and machine gun fire from the when they are lighted along the whole line they give the approximate The attacking troops may run position of our most advanced line. short of bombs or perhaps be held The observer draws the line in on a up by machine gun fire. If such is special map and flies back through the case they signal to the aeroplane the barrage with it to headquarters. white happing arrangement, or by a hearsed by the attacking troops and high power "Aladis" lamp. The the aeroplane concerned before the which used the most perfect obser- performance. The barrage fire is so ane-Parasols," a French two-seater message through, but the plane with

aeroplanes informed headquarters of A lecturer at the Toronto School the fact and the barrage was length-

## NEWEST NOTES HOTEL WILHELMINA

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Chicago, Bay City, Saginaw, Montreal Mtawa, Quebec, Portland, St. John The discovery of a vaccine for cur-Fullman accommodation, tickets and other information, apply to J. P. Hanley, Agent. Agency for all ocean claimed by a French scientist of high ocean steamants lines. Open day and night repute. MACRETT MACRET MACRETT MACRETT MACRETT MACRETT MACRETT MACRETT MACRETT MACRETT tion from local limestone of 50,000 jecting them after drying to pressure, turned. tons of Portland cement annually.

warmth of a room, where he may ing,

NAVY CUT

CIGARETTES

BEAUTIFULLY COOL AND SWEET SMOKING

A MORITIMENTAL SERVICE AND ASSESSMENT OF THE PROPERTY OF THE P

For card playing and luncheon pur- A British scientist claims to have The railroad connecting Chili and

Artificial celluloid and ivory can be cabman invented more than a half fruit and sorting it into ten grades at A plant will be built near Cape made by soaking potatoes in water century ago still is in use and it is a rate of more than 17,000 pieces an claimed that it never has been over- hour.

A recently patented bed enables a that the sense of smell is weaker in provided so that it can be turned at posite points so that one-half can be sleeper to have his head outside of a man than in the lower animals be- right angles to the shaft to give ad- folded down out of the way to give

New Zealand's dairy industry owes poses a table has been invented to discovered a simple and inexpensive Bolivia, which crosses the Andes

Two British scientists have decided | The handle of a new screwdriver is for automobiles is one hinged at opwindow while his body enjoys the cause of the human practice of kiss- ditional leverage or serve as a ham- access to the seat of a car or to be

Natal is building up an industry in much of its prosperity to the success which four chairs are attached, the process for converting ordinary peat 14,105 feet above sea level, provides the manufacture of starch from sweet of milking machines, of which be- whole affair folding flat when not in into a highly concentrated fertilizer. oxygen chambers in which passen-An Oregon man has developed a gers can get relief from the rarified A three-wheeled cab that a London motor driven machine for cleaning air of the high altitudes.



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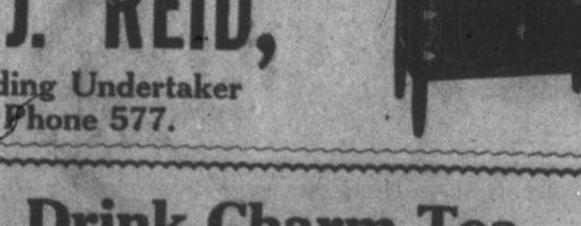
General Change of Time, July 14, 1918

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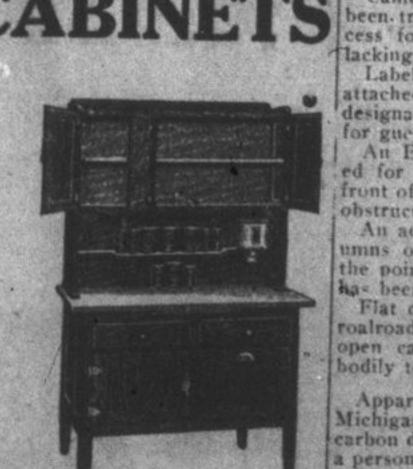




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China has more ducks than all the rest of the world put together. The world's production of cocoa now amounts to more than 250,000 dress. pounds a year.

A spring wire clip which holds atthere, cup securely on the edge of a plate has been patented.

Government geologists have discovered a large deposit of high grade iron ore in Queensland. An electric motor has been invented or winding watches where many are

The greater part of Chilian coal is so soft that fully 30 per cent, of it is wasted at the mines.

pendulum enables a new level to be used to measure angles accurately. Great Britain is raising about 900,-000 acres of potatoes this year, about 25 per cent, more than last year.

A sagebrush plow has been invented under thickets of brush six feet high. Electricity obtained from Swedish waterfalls provides about one-half the mechanical power used in that coun-

In a new self-inking rubber stamp a ratchet wheel moves the ink pad about so that all of its surface is util-

The island of Mauritius is singular-ly free from thender storms, several years sometimes passing before one

The sides of the new suitcase fold out flat with the bottom to enable clothing to be packed in it without

Madrid proposes to utilize the wa-ter brought to the city by an old canal to produce about 3,000 electrical By turning a crank at one corner a

new kitchen cabinet is raised or lowered to the most convenient height Applying electric currents to the base of the brain, a Berlin physician

has found a way to give sleep to the For oiling automobile springs automatically an inventor has patented a lubricant holding pad to be strapped

Camels imported from Asia have seen tried in Australia with fair suc-

cess for hauling wagons in regions lacking railroads. Labels have been invented to be attached to bathroom towel racks to

lesignate which towels are intended for guests to use. An English patent has been grant-ed for a fender to be suspended in front of an automobile wheel to brush

obstructions away. An adding machine with seven columns of figures that is operated by the point of a pencil instead of keys has been patented. Flat cars have been designed for a roalroad in Enrope on which ordinary

open cars can be run and dumped odily to either side. Apparatus has been invented by a

Michigan physician for measuring the carbon dioxide in the air exhaled from Restified alcohol, methylated spirits.

ether and a wax are being made from sugar mill refuse by a by-products More than 25.000,000 gallons of tur-pentine are produced in the world ev-ery year, the United States leading all

the other nations.

An English inventor's shaving soap is packed in wooden howle so that a cup is not needed and the bowl can he infown away when emptied. One of the largest manufacturers has perfected a line of electric motors ranging from one two-hundredth to three-fourths of a horsepower. For launching life boats safely from die has been invented that enables them to be lowered along the upper-



MAMILTON HIAGARA FALLS A BLEFALO