BRITAIN DEVELOPS HUGE PLANE CARRIER

NEW ENGINE IS BEING BUILT SECRETLY.

Contains Platform on Which the Fastest Machines Can Alight Safely.

The strides Great Britain is taking in aviation are evidenced by the construction now under way of a giant air engine said to be twice as powerful as any in existence, and the development of a naval airplane carrier of a revolutionary character.

The airplane engine, which will develop 200 horsepower a cylinder, is being built secretly on the outskirts of London. Air Ministry officials are reported to be confident that the new engine will make a transatlantic trip in less than twenty-four hours a possibility.

Originated in Italy.

The principle of the new engine was originated in Italy, but the British engineers have made improvements on it. If fitted into a bombing machine of ordinary type the plane would have an effective radius of 3,000 miles. Yet it is asserted that this powerful engine is no heavier than the average airplane engine.

The decks of the new airplane carriers are free of obstructions. The funnels are set on the starboard side of the vessels, making it apear as if an addition had been added to the vessels. The two upper decks are connected by huge lifts with the aerodrome deck, while the lower ones are equipped as workshops for making repairs. The flying deck also is fitted with a searchlight and a landing tower so that the planes can alight at night.

Has Platform to Alight On.

The carrier is equipped with an ingenious rotating endless platform for the planes to land and get off. The machine hops off in the opposite direction to that in which the platform rotates so that more speed can be attained. By the use of this platform the fastest plane can alight on the deck of the airplane carrier, for a machine which is going three miles a minute can be brought to a stop in a space of not more than forty feet.

The fact is that though the British are far behind France in the number of planes they have, they are devoting great attention to designing and constructing huge and powerful aircraft. Among the "hush-hush" planes being constructed by the Air Ministry is a machine capable of carrying fifty soldiers through the air at a speed of 130 miles an hour.

Art by the Foot.

Hurry is not characteristic of the present century alone; our ancestors were not always immune from the habit. The Dutch artist Vanderstraaten was a master in scheming out short cuts and saving time.

Vanderstraaten had little difficulty, it is said, in painting in a day thirty landscapes the size of an ordinary sheet of drawing paper. He would surround himself with pots of paint, each of which had its particular purpose—one for the clouds, one for the grass, one for the shadows. When he was ready to begin painting he called to his assistant, "Boy, a cloud!" and the lad speedily brought the desired pot. Vanderstraaten, with a thick brush, quickly transferred the clouds to the canvas. With the finishing strokes, he called: "There are the clouds; bring the grass!" And so it went, without a moment's waste of time, until the thirty landscapes were finished.

New Dish Washer.

For restaurant use an automatic dish washing machine has been given two sets of pumps and motors to avoid delay should one set break down at a busy time.

TORTURING SCIATICA

A Nerve Trouble Due to a Watery Condition of the Blood.

Fierce darting pains. Pains like red hot needles being driven through the flesh—in the thigh, perhaps down the leg to the angle—that's sciatica. None but the victim can realize the torture of this trouble. But the sufferer need not grow discouraged; the trouble is due to the fact that the nerves are being starved by poor, watery blood, and when the blood is enriched the pains of sciatica will disappear. As a blood enricher and purifier no other medicine can equal Dr. Williams' Pink Pills. They bring to the blood just the elements necessary to restore it to normal richness and redness. That is why so many sufferers from sciatica, and other forms of nerve trouble, have found relief through taking these pills. Mr. D. M. Anderson, Beachburg, Ont., tells what Dr. Williams' Pink Pills have done for him as follows:—"Some years ago I was badly afflicted with sciatica. I could hardly walk and suffered great pain when I did so. I went to a doctor, but his medicine did not seem to do me any good. A man who was working with me told me he had once been like that and that Dr. Williams' Pink Pills had made him all right. I began to take them, continuing to work, and the trouble disappeared, and I did not lose a day, although sometimes I suffered terribly. Later I had another attack, and again the pills came to my relief. Now I take three boxes of Dr. Williams' Pink Pills every spring and fall, and I have had no attack of the trouble since that time."

"You can get these pills through any medicine dealer or by mail at 50 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

Don't Kill the Earthworm.

To rid soil of weeds a roller has been invented into which a boiler feeds steam, which is injected into the ground for several inches through spikes.

It occurs to me that such a weed treatment will do a lot of harm by killing worms. The part performed by worms in rendering the soil fertile is not generally understood. Darwin estimated that worms, by swallowing earth for the sake of the vegetable matter it contains, and afterwards expelling it, bring to the surface as much as ten tons of earth per annum on an acre.

By boring, perforating and loosening the soil, worms make it pervious to rains and the fibres of plants. The stalks of leaves, twigs, straws, etc., they draw into the soil is no inconsiderable help. The cylindrical mass of earth voided by earthworms (called worm-casts) constitute one of the very best manures for grain and grass. Let alone, the worms throw these up in countless numbers; travelers have found them on lofty mountain heights, notably in the Sikkim Mountains of Northern India.

The earth without worms would eventually become cold, hard and barren. This actually has occurred in sections where the worms have been either accidentally or intentionally destroyed, and the fertility of the soil thus lost has been restored only when the worms have again collected and resumed their fertilizing work.—L. E. Eubanks.

Oldest Map.

The oldest map in existence is a piece of mosaic in a Byzantine church at Malaba, in Palestine. It represents part of the Holy Land, and is 1,700 years old.

There are some souls in the world who have the gift of finding joy everywhere, and leaving it behind them when they go. Their influence is an inevitable gladdening of the heart. They give light without meaning to shine. Their bright hearts have a great work to do for God.—Faber.

Minard's Liniment used by Physicians.

Surnames and Their Origin

BRENTWOOD.

Variation—Brantwood.
Racial Origin—English.
Source—A local name.

Those who are at all familiar with the so-called Scottish dialect should have no great difficulty in penetrating the original meaning of this surname.

The name, however, is not necessarily Scottish. It is a fact not generally known that this so-called Scottish dialect is by no means a dialect of English or in any sense a corruption of English speech, but is, in reality, a full-fledged tongue in itself, coming down in a straight line from the Anglo-Saxon and Danish tongues, which were spoken in the north of England and the Scottish lowlands prior to the Norman invasion. It is also a tongue in which the Anglo-Saxon strain is purer than in modern English, the majority of its words showing less change from the old Anglo-Saxon spelling and pronunciation.

Thus the Scottish word for "burned" or "burnt" is closer to the old Anglo-Saxon "brennan" than is the modern English word. And it is from this word "brennan' that the first element in this family name comes. Brentwood simply means "burnt wood." The principal place of that name, however, happens to be in Essex, far from Scotland, and the explanation is that it received its name before the Anglo-Saxon form of the word changed.

KERSTED.

Variation—Kiersted, Kjersted.
Racial Origin—Danish and English.
Source—A locality.

As an English product, this family name traces back through the name of a place to the days when the hosts of the Danes overran the entire north-eastern section of England.

The eastern coast of North England and the Scottish Lowlands are marked to-day by many names of Danish origin, and there is no small proportion of Danish blood in the people who have dwelt in these sections for many centuries. And, as might be expected, a search of the records of the old towns and parishes in these sections brings to light a fairly heavy proportion of family names which trace either directly or indirectly to Danish sources.

Kiersted was a place name before it was a family name. Therefore it does not necessarily indicate that those who bear it have any Danish blood in their veins, though it is not unlikely that they have. The place name is taken from two Danish words, "kier" and "sted," the former meaning a "place," "village" or "town," literally a place where men dwell. "Habitation' 'is probably the best word to express the meaning.

A Woman Barrister.

Miss Muriel Cockery, of St. John, is New Brunswick's only woman barrister practising law in that province. She was recently admitted to the bar.

History of Lights.

Here are some interesting facts in regard to the progress of lighting. The earliest form of lighting was a wood fire in a cave.

5000 B.C.—Torches or lighted splinters placed in holders of stone or clay.

300 B.C.—Lamps, made of brass or bronze, became highly artistic.

50 B.C.—Romans used rushes soaked in grease—forerunners of the candle.

300 A.D. — Phoenicians introduced candles in Constantinople.

400 to 1700 A.D.—The candle, tallow or wax, vies with lamps and lanterns.

1700 Oil lamps, with wicks, began to be used.

1780—Oil lamps were equipped with round wicks and glass chimney.

1800—Gas lighting perfected, but candle still most universal light.

1850—Discovery of petroleum, revolutionizing oil lamp lighting.

1879—Edison, apostle of light, produces incandescent electric lamp.

1885—Auer Von Welsbach produced incandescent gas mantle.

1895—Incandescent electric lights made with carbon filament, in growing use.

1922—Incandescent electric light, using Tungsten filament, in high state of perfection.

What will be the next?

NOTHING TO EQUAL BABY'S OWN TABLETS

Mrs. Georges Lefebvre, St. Zenon, Que., writes: "I do not think there is any other medicine to equal Baby's Own Tablets for little ones. I have used them for my baby and would use nothing else." What Mrs. Lefebvre says thousands of other mothers say. They have found by trial that the Tablets always do just what is claimed for them. The Tablets are a mild but thorough laxative which regulate the bowels and sweeten the stomach and thus banish indigestion, constipation, colds, colic, etc. They are sold by medicine dealers or by mail at 25 cts. a box from The Dr. Williams' Medicine Co., Brockville, Ont.

Twin Cities of the "Soo."

Canadian "Soo," with Union Jack,
And rock-ribbed mountains at her back,
Is builded by St. Mary's Falls
Where Nature's liquid music calls,
Across the Rapids to the west,
The eagle brooding on her nest,
Another city welcomes you,
With Stars and Stripes—the Yankee "Soo."

No fortress facing north or south;
No "Bertha" lifting morbid mouth;
No frontier with police patrol;
Each city sees the other's soul.
The peace that for a hundred years
Has triumphed over all our fears
Shall cover for a thousand more
Atlantic and Pacific shore!

Republic and Dominion stand
As friend to friend, with heart and hand,
Across the Border, to and fro,
Fond lovers and their sweethearts go.
Through north and south, from east to west,
Not "hate," but "song of love" is best;
All hail, Twin Cities of the "Soo,"
The world shall go to school to you!
—Joseph Dutton.

MONEY ORDERS.

Dominion Express Money Orders are on sale in five thousand offices throughout Canada.

An Arch of Triumph in Ypres Salient.

Preparations are in an advanced state to erect an Arch of Triumph at the Menin gate to commemorate the feats of British arms in the Ypres salient, according to the Ypres Times. It is learned that agreement has been reached with the dominions and India on the matter, and that the memorial will be erected to the memory of all who fought in the salient, but will include a special reference to the "missing," whose names will be inscribed on it, as they cannot be, of course, inscribed in the cemetries.

The arch was particularly designed under the supervision of the cabinet committee for battlefield memorials, and was not agreed to until it satisfied them that it was a worthy memorial from every point of view. It is impossible to say, of course, when it is likely to be completed. It will probably take something like two years to complete, but the contract for its erection is to be signed at once.

A PLAIN TALK.

We all know the man and woman in business who, somehow, never seem to succeed at anything—never get on.

What's the matter with them? Are they unlucky, or is it that their hearts are not in their work?

Some people expect mastery without apprenticeship, knowledge without study, wealth without work. They live in dreams and reveries and vain regrets for the past, never grappling with the present and making the most of it. They waste their time and energy, and weaken their initiative, by constantly forming plans and resolutions which they never carry out.

They have no strong purpose running through their lives, the one thing which can unify and give strength and meaning to their faculties. They think that if they only keep on working, even if they have no definite goal in view, they will, somehow, arrive at success.

They are afraid of the new, the untried. They want other people to do the experimenting, while they get into ruts and cling to the old, the conventional, and the out-of-date. These are a few reasons why some don't get on.

The Cartoonist.

Seated on the deck of the ocean liner, the cartoonist amused himself by drawing pictures of the different passengers. A few months before he had been employed on a Chicago newspaper; now, a professional cartoonist no longer, he was on his way to the Phillippines, a missionary of the gospel. His vision had been as swift as it had been bright.

A number of notable people were making the trip, and among them were the captain of an American battleship and three or four millionaires with their wives. One of the women, becoming enthusiastic over the cartoonist's ability, asked him whether he would draw a picture of her husband. The cartoonist complied graciously, and while he was at work the wife of the captain watched with interest.

"Oh," she exclaimed at last, "I suppose you are one of our great American artists on your way to the Philippines for new ideas! What a wonderful thing it is to be so gifted! I suppose you make barrels of money?"

"No, madam," the cartoonist replied, "I am going to the Philippines as a missionary. I have given up my career as an artist."

The woman regarded him first in astonishment, then with reproach. "The very idea!" she exclaimed. "To think of a young man like you with all of your ability throwing his life away on a lot of worthless heathen. I can hardly believe you're serious! Really you are joking, aren't you?"

Eight years passed, and the cartoonist and his wife were sailing for home on doctor's orders, for the climate had proved too much for the woman. The lives of both were wrapped up in their work; it was hard for them to leave the natives, who had come to depend on them, but there was no help for it.

A great crowd of Filipinos came to the dock to see the missionaries off. Tears were running down the faces of many of them. All were sad and made no efforts to hide their feelings. As the steamer pulled out thousands of hands waved the missionaries good-by.

The cartoonist and his wife stood silent together on the deck; their eyes were wet, and their throats felt tight and strange. If the captain's wife had witnessed that scene, would she have said that the cartoonist's life was wasted?

What Music the Boys and Girls Wanted to Study.

With the assistance of the Rotary Club and other public-spirited bodies, plans were made in a small city to give the children of the masses instruction in music at a nominal cost by means of music classes in connection with the schools. A survey of several schools revealed an interesting set of desires. When asked the particular kind of music study they would like to take up the pupils in one school reported as follows, according to a correspondent in Musical America:—101 for violin, 58 for piano, 57 for singing, 32 for cornet, 11 for drums, 10 for mandolin, 8 for saxaphone, 2 for guitar, 2 for 'cello, 2 for clarinet, 2 for ukulele, 4 for trombone.

In another school the pupils responded as follows:—73 for violin, 47 for piano, 32 for singing, 10 for drums, 1 for mandolin, 10 for saxaphone, 1 for guitar, 2 for banjo, 2 for clarinet, 1 for bass horn, 1 for trombone, 1 for flute, 1 for xylophone.

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Book on
DOG DISEASES
and How to Feed
Mailed Free to any Address by the Author.
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129 West 24th Street
New York, U.S.A.

ISSUE No. 19—'23.

HAD TO FIGHT TO GET HIS BREATH

Reed Declares Gases Were So Bad He Nearly Choked at Times.

"The best I can say is not half good enough for Tanlac," states Frederick E. Reed, 286 Roxborough Ave., Hamilton, Ont., well-known business man.

"Last winter grippe and tonsilitis confined me to my home for weeks and left me so thin and frail it looked like I could never get back to my business again. I would choke up with gas until I had to fight for breath, was so nauseated I could scarcely retain a thing, and pains in my stomach and sides would double me up. I could scarcely sleep a wink, and my hands were so trembly I couldn't even arrange my tie.

"However, the Tanlac treatment suited my case so well it ended my troubles, increased my weight, and fixed me up to where I felt as fine as I ever did. I feel right all the time now, and haven't missed a day from my business since I finished the treatment. Tanlac has no equal."

Tanlac is for sale by all good druggists. Take no substitute. Over 37 million bottles sold.

Butterflies' Eye Spots.

What do the eye spots on butterflies' wings mean The naturalists say frankly, "We do not know." It is thought that these eye spots may have some utilitarian application. They form one of the most intricate of all natural designs.

The fact that butterflies have been captured with their eye spots pierced, as if from the attack of birds, has been used as an argument in favor of the view that they must be "protective markings," imitating eyes, because birds strike at the eyes of their victims.

But this suggestion is hardly regarded as satisfactory. Among butterflies the most striking examples of eye spots are found on the under surface of the wings.

Minard's Liniment for sale everywhere

Good Model.

Tommy entered the village store with an assured air, and said to the man: "I want a lamp globe, and mother says she would like it as strong as the bacon she bought here yesterday."

Extremely Plain.

Customer—"Which way to the hosiery department, please?"

Shopwalker (an ex-soldier)—"Right turn at the next aisle, sir, forward about twenty paces, left incline, forward, left turn, halt, and it's there."

Cuticura

Keeps Your Skin Fresh And Clear

The Soap cleanses and purifies the pores, the Ointment soothes and heals any irritation, redness or roughness. Treatment: On retiring smear the affected surface with the Ointment on end of finger. Wash off in five minutes with Cuticura Soap and hot water. Do not fail to include the exquisitely scented Cuticura Talcum in your toilet preparations.

Soap 25c. Ointment 25 and 50c. Talcum 25c. Sold throughout the Dominion. Canadian Depot: Lymans, Limited, 344 St. Paul St., W., Montreal.
Cuticura Soap shaves without mug.

Classified Advertisements.

WANTED—YOUNG LADIES WITH GOOD education to train as nurses. Three-year course. Apply Wellandra Hospital, St. Catharines.

PURE MAPLE SYRUP, RIGHT FROM THE farm to the consumer. R. A. Gillespie, Abbotsford, Que.

OWN A FARM ON LAKE ERIE, IN WESTERN Ontario, the Florida of Canada. Send for full information and our special sixty day offer of free return trip; grow the big money crops. Fruit, tobacco, corn, beans, etc., in addition to general mixed farming. Success Real Estate, Blenheim, Ont.

AGENTS WANTED—$60.00 WEEKLY SELLING hosiery direct in offices, factories, houses. Best values, exclusive territories. Triangle Mills, Dept. 57, Box 2503, Montreal.

STRAWBERRY PLANTS FOR SALE—SENATOR Dunlap only—splendid roots, well packed; $5.00 per thousand, $3.00 per 500, or $1.00 per hundred. Leavens Orchards, Bloomfield, Ont.

Expensive.

"I hope our honeymoon will last through life," said the young bride. "Don't you, dear?"

"No," he replied, checking up his accounts, "not unless I become a millionaire."

Agreeable.

"If I lend you ten dollars, what security will you be able to give me?"

"The word of an honest man."

"All right, bring him along, and I'll see what I can do for you."

Expectation is no justification for expenditure.

Use MURINE FOR EYES IRRITATED BY SUN, WIND, DUST & CINDERS
RECOMMENDED & SOLD BY DRUGGISTS & OPTICIANS
WRITE FOR FREE EYE CARE BOOK. MURINE CO. CHICAGO, U.S.A.

PLAY SAFE!

With cuts and wounds. Prevent poison by applying Minard's. It cleanses, heals.

MINARD'S "KING OF PAIN" LINIMENT

MRS. DAVIS NERVOUS WRECK

Tells Women How She Was Restored to Perfect Health by Lydia E. Pinkham's Vegetable Compound

Winnipeg, Man.—"I cannot speak too highly of what Lydia E. Pinkham's Vegetable Compound has done for me. I was a nervous wreck and I just had to force myself to do my work. Even the sound of my own children playing made me feel as if I must scream if they did not get away from me. I could not even speak right to my husband. The doctor said he could do nothing for me. My husband's mother advised me to take the Vegetable Compound and I started it at once. I was able to do my work once more and it was a pleasure, not a burden. Now I have a fine bouncing baby and am able to nurse her and enjoy doing my work. I cannot help recommending such a medicine, and any one seeing me before I took it, and seeing me now, can see what it does for me. I am only too pleased for you to use my testimonial."—Mrs. EMILY DAVIS, 721 McGee Street, Winnipeg, Man.

Lydia E. Pinkham's Private Text-Book upon "Ailments Peculiar to Women" will be sent you free upon request. Write to the Lydia E. Pinkham Medicine Co., Cobourg, Ont. This book contains valuable information. C

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BAYER M.D.

Accept only an "unbroken package" of "Bayer Tablets of Aspirin," which contains directions and dose worked out by physicians during 22 years and proved safe by millions for

Colds	Headache	Rheumatism
Toothache	Neuralgia	Neuritis
Earache	Lumbago	Pain, Pain

Handy "Bayer" boxes of 12 tablets—Also bottles of 24 and 100—Druggists.

Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monoaceticacidester of Salicylicacid. While it is well known that Aspirin means Bayer manufacture, to assist the public against imitations, the Tablets of Bayer Company will be stamped with their general trade mark, the "Bayer Cross."