### GIVEN UP."

ut 27 years age 3 my blood, too, was so I had to go to over three months. fered untold agony. doctors I could get thing was going to cost given up. nost given up. 1 be any better and and die rather than ighbor of mine told vonderful remedier nem. My husband of 'Favorite Pre-taken it long until than six weeks ] ess than six months een well ever since. I have raised three married and have used it and they eir children. I am-ount of my having

ierce's medicines in Favorite Prescrip-al Discovery' and ng prepared by Dr. o have a copy of a Sense Medical e had 26 years; it to me."--Miss.J. Sarnia, Ont.

, if your daughter; p, get Dr. Pierce's in liquid or tables ine dealer to-day. e, Invalids' Hotel; confidential medi-

ok in any home in n Sense Medical n Sense Medicas 1008-page volume, colored plates. A iyone sending fifty the cost of wrapy, to Dr. Pierce

it Pellets are the ills, first put ap

### R CRAFT.

and Hoops Lins Balloons.

s in the constru raft are explain d the Aeroplane. part of the Zepoth or fabric cow k, which consists ade of very thin ers run from end rallel for most of ming inward to nose and tail of the Zeppelin to have sixteen e sixteen girde ritudinal girders. sition there are which run like and act like th re are generally irders, spaced an om another, and is and across inie next by wire ut up the whole ion of compartexcept the end it ends and six-

mpartments is a its edge. The is bag springs

## GUIDE-ADVOCATE, WATFORD, JANUARY 12, 1917

PIONEERS Wm. McNally, W F Goodman.

ENGINEERS J. Tomlin

ARMY MEDICAL CORPS T A Brandon, M. D., Capt. W J McKenzie, M.D., Norman McKenzie Jerrold W. Snell, Allen W Edwards.

135TH BATTALION N. McLachlan. 3RD RESERVE BATTERY, C.F.A Alfred Levi

116TH BATTALION

Clayton Fuller.

CONSTRUCTION, UNIT Arthur McKercher 196TH BATT.

R. R. Annett. 70TH BATTERY

R. H. Trenouth, Murray M. Forster.

147TH BATTALION Austin Potter.

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4 good roan bulls, also a number of registered Lincoln ram lambs.

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TIME TABLE

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GUNNER Russ. G. Clark.

Kerwood

C W Barnes, Geo. Ferris, Edmund Watson, G Shanks, C Jamieson, J CHANTRY FARM Barns, F Burns, C Blunt, Wm. KERWOOD Autterson, SP Shanks.

2ND DIVISIONAL CAVALRY

Lorne Lucas, Frank Yerks, Chas. Potter.

### 33RD BATTALION

Percy Mitchell, died from wounds Oct. 14th, 1916; Lloyd Howden, Geo. Fountain, killed in action Sept. 16. 1916. Gordon H Patterson. died Victoria Hospital, London, in **Oharles** Potter.

34TH BATTALION

E c Crohn, S Newell, Stanley Rogers, Macklin Hagle, missing since Oct. 8, 1916; Henry Holmes, killed in action Sept. 27, 1916, Wm. Manning, Leonard Lees.

70TH BATTALION

Ernest Lawrence, ---- Emmerson, C H Loveday, A Banks, S R Whalton, killed in action Oct. 1916, Thos. Meyers, Jos M Wardman, Vern Brown, Sid Brown, killed in action Sept. 15, 1916, Alf. Bullough. 28TH BATTALION

Thomas Lamb, killed in action. MOINTED RIFLES

Fred A Taylor

1 ( ) h

29TH BATTERY Wm. Mitchell, John Howard.

ANTI-AIRCRAFT

Gunner Woolvet

## IATURAL PUZZLE One of the Great Mysteries That

Confound Science.

THE FORCE OF GRAVITATION.

This Wonderful Power That Keeps Suns and Planets In Their Courses May Be Waves In the Ether That Push All Bodies Toward Each Other.

The mystery of mysteries in science is the attraction of gravitation--that very force of nature that is the most familiar to us all. It seems strange that the most familiar thing in the world should be at the same time the most inexplicable, but so it is.

In order to see clearly wherein the mystery consists let us first consider what gravitation appears to be. It is gravitation that gives the property of weight to all bodies. If there were no gravitation we could float in the air It is gravitation that brings a cannon ball eventually to the earth, no matter how swiftly it may be projected. The faster it starts the farther it will go. but during every second of its flight it drops the same distance vertically toward the earth, whether the speed imparted to it by the powder is 500 or 8.000 feet per second. Gravitation acts on a moving body exactly as well

as on one at rest. It is gravitation that curbs the motion of the moon and keeps it in an orbit of which the earth is the active focus.

So, too, it is gravitation that gov erns the earth in its motion around the sun, preventing it from flying away into boundless space. Astronomy shows that gravitation acts between all the planets and all the stars and controls their motions with respect to one another.

Now, this mysterious force appears to be an attraction as if there were elastic cords connecting all the bodies in space and tending to draw them to. gether. But space, as far as our senses can detect, is empty. How, then, can there be an attraction? In order that a body may be attracted or drawn there must be something to draw it. Gravitation does the trick, but com-pletely hides from us the mechanism

through which it acts. We can Ais cover no mechanism at all. When an unfortunate aeroplanist drops from his machine he begins at once to fall toward the earth as if it were pulling him. But how can it pull If it has nothing to pull with? may think at first sight that it is the air which acts as an intermediary, but that is not so, because the earth and the moon "pull" upon one another with a force equal to the strength of a steel cable 500 miles in diameter, but there is no air and no other tangible thing in the open space, 240,000 miles acros that gaps between the moon and the earth Then gravitation exerts the same

force at every instant. No matter how fast the falling aeronaut may be descending at any moment, gravitation will keep on adding speed as if he had just started. Disregarding the slight retardation produced by the resistance of the air, he will fall sixteen feet in the first second, forty-eight feet in the second second, eighty feet in the third second, gaining thirty-two feet in his velocity during every second after the first. From a height of 10,000 feet he would fall in about twenty-five seconds and would strike with a velocity of 400 feet per second. The same kind of calculation can be applied to the gravitation between the earth and the moon. If the moon were not in motion across the direction of the earth's "pull" it would fall to the earth in about 116 hours. Now, to return to the mystery, how is this force exerted? Is it really a pull, as it seems to be? The answer to which science is tending is that, instead of being a pull, gravitation is a push-in other words, that the falling acronaut is pushed toward the ground and the moon is pushed toward the earth. On the face of it one might think that nothing was gained by this the-ory, because it seems as impossible that a push should be exerted without a tangible connection as a pull. But the clew is found in the supposed properties of that invisible, intangible. all pervading medium called the ether. This, to be sure, is explaining one mystery by another, for we know noth-ing about the ether except that it conveys the waves of light and electric-ity; but, at any rate, it affords a conceivable explanation of gravitation .--Garrett P. Serviss

ninth month, the "escape of the moun tains," the feast of chrysanthemums. The latter is not now generally observed.

A Diplomatist. "I am amazed, sir, that yon should propose to my daughter. You have not known her a week." "True, madam, but I have known you for some time, and everybody says your daughter takes after you." He

got the girl. A tactful man can pull a stinger from a bee without getting stung.-G. H. Lorimer.

Hope for the Chronic Dyspeptic.— Through lack of consideration of the body's needs many persons allow dis-orders of the digestive apparatus to en-dure uutil they become chronic filling days and nights with suffering. To these a course of Parmelee's Vegetable Pills is recommended as a sure and speedy way to regain health. These pills are special-ly compounded to combat dyspepsis and the many ills that follow in its train, and they are successful always. m they are successful always.

# FALL CLEANING

The Scientific Way to Keep Your Homes.

### EASY FOR ALL CONCERNED.

Why Not Discard the Back Breaking Spring and Fall Bouts of Old and Clean One or Two Rooms Well Each Month?-Modern Women Are Doing This With Success.

Every housewife dreads the awful housecleaning period which comes both spring and autumn. The overstrict. too conscientious housewife observes both periods and religiously cleans every room in her house twice a year. Almost every woman cleans house at least once a year, either in spring or in autumn.

It has always seemed more sensible for city dwellers to have their housecleaning period in the autumn rather than in the spring. In the first place, the average city apartment is closed up for the summer when its occupants leave town during the hot weather.

During the hot weather much more dust sifts through windows and doors from the street and settles on the furniture than in the winter, so that when the autumn arrives another cleaning is needed.

Consequently it has always seemed more to the point to clean your home in the autumn and have it neat and in good order for occupation all through the winter. Now, we might suggest that, instead of devoting ten days or a fortnight to uninterrupted housework, you take a room at a time

and do one room a week. This idea, or one similar to it, originated in the brain of a clever housewife who had dreaded the very idea of the annual housecleaning for years.



Are you a sufferer? Know that terrible aching, dragging-down pain, that robs you of pleasure, even of rest, and makes life miserable? Don't you believe in the law of average? If a remedy has cured hundreds of people, don't you think it likely it might at least one you?

you think it likely it *might* at least gure you? Just give Zam-Buk a fair trial! Mr. J. McEwen, of Dundas, suf-fered from piles for fifteen years. He says: "I tried preliming the pro-relief until I tried Zam-Buk. This baim relieved the pain; continued use completely and permanently, gured me."

sured me." The rich herbal essences of which Kam-Buk is composed, quickly re-move congestion, relieve the dull, gnawing, burning pain, and cure. All druggists and stores, or post-paid from Zam-Bink Co., Toronto, for price, 50c. box, 3 boxes \$1.26.



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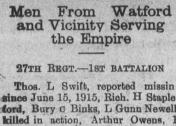
Veterinary Surgeon.

Coling Wiss Accommodation, 75.....8 44 a.m. Chicago Express, 3.....11 19 a.m. Accommodation, 83..... 6 44 p.m. GOING EAST Accommodation, 80 ..... 7 48 a.m. New York Express, 6....11 16 a.m. New York Express, 2.....3 05 p.m. Accommodation, 112.....5 16 p.m. C. Vail, Agent, Watford To Keep Suet. Take out any skin there may be and

Ontario

then put the suet in a saucepan, and place on a warm but not hot fire and let it melt gradually. When quite melted pour it into a pan of cold water. When quite hard wipe it dry, wrap it in white paper, and when wanted for use it may be rubbed on a grater.

To Purify Sinks and Drains. To one pound of common copperas add one gallon of boiling water and use when dissolved. The copperas is deadly poison and should always be carefully labeled. This is one of the best possible cleansers for pipes, closets and drains.



**ROLL OF HONOR** 

ford, Bury C Binks, L Gunn Newell, killed in action, Arthur Owens, F C N Newell, T Ward, Sid Welsh Alf Woodward, killed in action M Cunningham, M Blondel, W Blun **R** W Bailey, A L Johnston, R A Johnston, G Mathews, C Manning, W G Nichol, F Phelps, H F Small, **E** W Smith, c Toop, C Ward, J Ward, killed in action, F Wakelin, D c M, killed in action, T Wakelin, wounded—missing, H Whitsitt, B Hardy.

PRINCESS PATRICIA'S C.L.I.

18TH BATTALION

Gerald H Brown

by a projectile ollapses, and the o is so arranged lve gas bags are that remain will ballast, ammunientials have been ondon Standard.

### MUCH.

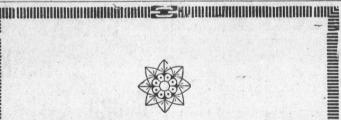
d to Fly For His Russia. assassination of ia, Tennyson, the ed with Lord SL ambassador, in ssian officers of mes he did not . During dinner vas made to the

ak so gingerty iotorious?" cried leaning across in whose breast "We know hat the Emperor Count Zoboff and Benningsen ingled him!"

ed silence: then tly changed the filed out into an St. Helens drew on't go into the ered, "but fly for next you, across ned. was Count is also at the ta-

rried directions off, threw his teau and fled be-Odessa, still in the cold was infor weeks and se of a servant, ard an English

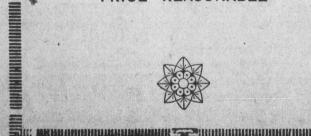
and warts Corn Cure. Try



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Japanese Festivals. The Japanese festivals are easily remembered: First of first month, the new year; third of third month, feast of dolls, for girls; fifth of fifth month, feast of flags, for boys; seventh of sev-enth month, the day for the god and

goddess of love, Tonabota; ninth of

She had hated all the heavy work, bunched in together for one long stretch. Finally the idea occurred to her that by doing one room a month she would do away with that hated period. This housewife had a six room apartment, and she found that by cleaning one room the first Thursday in every month she gave every room a housecleaning twice a year.

So she started putting the idea into execution. The first month she cleaned the living room, the second the dining room, the third one of the bedrooms, the fourth the kitchen, the fifth the second bedroom and the sixth a little room which was used as a sort of study and the bathroom as well, be-cause both were small enough to do in one day. Then the seventh month she began all over again.

It made no difference in the affairs of the house, because she arose a little earlier one Thursday a month and did extra baking and cooking for that Thursday on the day preceding.

She found that this method did away with all the unsettled state usually attendant on housecleaning periods and, still more important, relieved her from all that after-exhaustion which so of-ten follows a too thorough houseclean-

When you have the house once in condition you can adopt some such schedule and give up one day a month to cleaning thoroughly one room. You will surely be delighted with this arrangement if you once try it.

It Bids Pain Begone.—When neuralgia racks the nerves or lumbago crippies the back is the time to test the virtues of Dr. Thomas Eclectric Oil. Well rubbed in it will still the pain and produce a sensa-tion of ease and rest. There is nothing like it as a liniment for its ci **Tati**ye prop-erties are great. A trial of it will estab-lish faith in it. m

With a vegetable dinner it is permiss able to serve a dessert rich in eggs and cream.

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If the chicken is old, the best way to cook it is en casserole, and to make the juncy add milk.