

AVIATION ILLNESS.

Peculiar Distress That Comes to Many Aerial Navigators.

FLIERS SHOULD BE ROBUST.

They Should Also Be Young, Resolute and Cool Headed, With Sight and Hearing and Nervous and Vascular Systems Perfectly Sound.

Those who are up into the air in flying machines as well as those who go down to the sea in ships are troubled by peculiar and unpleasant physiological disturbances which may at times be of grave moment. This is especially true of aeroplane pilots or passengers and to less degree of those who ascend in balloons or dirigibles. The tremendous importance of aviation in war lends this subject peculiar interest, and Larousse Mensuel (Paris) devotes a special article to the topic. The author, Dr. Laumonier, states that the symptoms vary according to the period of ascent, of descent and of landing.

In ascending an acceleration of the respiration and pulse are frequently noted at from 1,200 to 1,500 meters altitude, accompanied by a slight headache located in forehead and temples and by indefinable discomfort without vomiting or nausea. At 1,800 meters there is a diminution in the keenness of hearing; at times there are hallucinations and finally an "asthenic" condition which prevents the muscles from obeying the will with adequate rapidity.

On descending the palpitations of the heart become violent and are accompanied by a sensation of anguish, the headache is intense, the aviator has an increasing sensation of heat of the skin, especially of the face, and a desire to sleep, which is sometimes so strong that the eyes involuntarily close as he approaches the earth, in spite of imminent peril.

Strange to say, on landing these troubles are augmented. Besides the headache and the somnolence, hyperemia of the conjunctive (conjunctives) is observed, with cyanosis of the extremities, acceleration of the pulse and constant increase of arterial pressure. The aviator often falls asleep as soon as he lands, and this sleep is troubled and nonrefreshing, while the headache may persist for many hours or even several days.

The ascent symptoms recall those of "mountain sickness," but are produced at a less altitude, because of the nervous tension, the cold and above all the relative rapidity of ascension. But what distinguishes aviators' sickness from mountain sickness is that the symptoms persist during descent and are aggravated after landing. There are besides vasomotor reactions with hypertension which are peculiar to this malady and give it, according to Cruchet and Moulhier, a sort of nosographic autonomy. However, these troubles are not felt with the same intensity by all aviators. Some find they diminish with experience, as in the case of seasickness. It appears to be true that their intensity depends principally on the rapidity of the descent.

The causes to which are ascribed these symptoms include cold and physical, nervous and moral fatigue. While cold may provoke the impetuous need of sleep, it cannot be the sole cause, since the somnolence increases on descending into warmer air and after landing. Analogous objections are made to fatigue as a cause.

The most important of the determining causes, according to the authorities quoted above, is speed, not horizontal, but vertical speed, which causes rapid decompression and recompression in ascending and descending. At Pau Legagneux ascended to 3,200 meters in twenty-eight minutes, whereas it would have taken an Alpinist eleven hours to ascend the same distance on foot. At Varennes-sur-Allier Vedrines descended in three minutes from a height of 3,000 meters. The difference of gaseous tension is too great for the organism to regain its equilibrium in so short a time.

Since these symptoms are not morbid they disappear naturally in a few hours or at most a few days, their cessation being favored by rest, sleep and moderate warmth. Nevertheless they are of grave importance because of the dangers to which they expose aviators.

Hence it is highly advisable that fliers should be young, robust, resolute and cool headed men, with slight hearing, nervous and vascular systems perfectly sound. And there should be rigorous elimination of candidates who have a tendency to heart trouble, epilepsy, tuberculosis, hardening of arteries, nervous troubles, etc. They should have methodical and progressive training, a diet nourishing, but not bulky, and as little fermentable as possible. They must abstain from alcohol and not abuse tea or coffee.

The clothing must be very warm, but not heavy enough to restrict movement. The wearing of goggles, putting cotton in the nostrils and greasing face and hands will be sufficient protection against cold. Finally they are advised to mount as slowly as possible and to descend even more slowly.

Where the Blame Lay.
The Duke de Montausier, preceptor to the dauphin, son of Louis XIV., being told by the king that he had pardoned a man who had killed nineteen persons after having been pardoned for the first murder he committed, replied: "Sir, he killed but one. Your majesty killed the nineteen."

Manufacturing sorrow is one of the worst of sins.

RAPID FIRING GUNS.

Hurling a Tornado of Death into the Ranks of the Enemy.

Since the introduction of the modern quick firing gun and the perfection of "time" shrapnel and high explosive shells new and scientific methods of rapid firing have been developed. When a rapid and overwhelming fire is wanted, the range is found, and the ground within the limits of the prescribed area is swept from end to end with a tornado of fire.

In the French army this is called a rafale (a squall or gust). It is a series of eight rounds per gun, each two rounds being laid to burst 100 yards farther than the last, thus sweeping an area of say 400 yards with a rain of shrapnel or a devastating series of high explosive shells. "Sweeping" fire is a series of three rounds per gun, one in the original line, one to the right and one to the left. This is also, and significantly, called "mowing." A further combination is called "search and sweep."

Time was when the commander of a battery stood near his guns and shouted commands to his gunners. Today the artillery officer may be two or three miles away directing operations by telephone from an observation post in view of the enemy's works. The observatory may be a ruined house, a tree trunk, a shell crater or a haystack, and from this point he observes the accuracy of the fire of his battery and telephones instructions to the gunners in the rear, altering the range when necessary and communicating any enemy movements, so that the shells soon find a new mark.

Instruments of precision and careful calculations are of course necessary to fight a battery in this manner, many allowances having to be made for the difference in height, distance and angle between the battery commander and the guns under his charge.—Exchange

TWINS AND A WEDDING.

Simple Method of Solving a Matrimonial Problem.

The late Colonel Anstruther Thomson in his "Eighty Years Reminiscences" tells the story of a remarkable marriage.

Of the many quaint "characters" whom Colonel Anstruther Thomson met in the hunting field none captivate the imagination like the brothers Leamon of Ivybridge—"two thin, delicate looking old men, twin brothers, seventy-two years old, with white hair, very gentle and courteous in manner, red cutaway coats, white cords, black boots, caps and gloves; most respectable and nothing slangy about them; they are so alike, you can hardly tell them apart."

When past sixty years of age one night after hunting one of them said to the other:

"I have been thinking neither of us can have much longer to live in this world, and it will be a terrible thing for the survivor to have to remain here alone. Don't you think one of us ought to marry?"

"Yes," was the reply. "I have thought so for a long time."
"Well, do you know of any lady?"
"Yes; I do. Is there any one you fancy?"

On comparing notes it appeared they had both selected the same woman, the manageress of the hotel at Okehampton.

"Well," said one, "we have lived to gether all these years without a wry word, and it's a pity we should fall out at our time of life."

So they tossed up which should marry her. The winner rode down to Okehampton next morning and was accepted. All three lived together, and the wife nursed both brothers in their last illness and was left their money.

The Three Scutariis.

There are three places named Scutari—one in Albania, one opposite to Constantinople and one in southern Greece. It is curious that each name comes from a different original form. The Greek Scutari is otherwise Scutari, the Albanian one is the flyrian Scodra, and the Asiatic one is the Turkish Eskudar. This last means a courier carrying royal orders from station to station and commemorates the fact that this place, the ancient Chrysoopolis or City of Gold was the starting point of the Asiatic couriers.

How He Got the Moon.

John Henry Maedler, the astronomer, whose favorite study was the moon, having learned that Frau Witte, the wife of the state councillor, owned a wonderful model of his pet luminary, spent years trying to gain possession of it. As her husband was living, he could not marry the owner of the model, so he married her daughter, and at the death of his mother-in-law the coveted moon became his.

Successful!

Little four-year-old Henrietta stood watching the cook draw or clean a chicken.

And as one thing after another was drawn out and laid on the table Henrietta looked up in the cook's face and said, "Did you find what you were looking for, Nora?"—Harper's Magazine.

Proof That He Knows Something.

"It always makes me laugh."
"What does?"
"To see the man who thinks he knows everything run for the plumber the minute that anything goes wrong with his water pipes."—Detroit Free Press.

It is a pleasure appropriate to man for him to save a fellow man, and gratitude is acquired in no better way.—Ovid.

Notice of Guardian's Sale.

In the County Court of the State of Oregon for Linn County. In the matter of the estate and guardianship of Charles Murphy and Walter Murphy, Minors.

Notice is hereby given that under and in pursuance of a license and order of sale made by the County Court of Linn County, Oregon, on the 24th day of July, 1916, in the above entitled matter, authorizing, directing and empowering the undersigned Wm. J. Murphy, as guardian of the person and estate of Charles Murphy and Walter Murphy, minors, to sell certain real property belonging to the said minors at public or private sale to the highest bidder for cash in hand, I, as such guardian, will, on or after the first day of September, 1916, at the office of Dan Johnston, Attorney at law, in the City of Albany, Linn County, Oregon, offer for sale and sell at private sale to the highest bidder, for cash in hand, all the right, title, interest and estate of said Charles Murphy and Walter Murphy, said minors, in and to the following described real property, to-wit:

Part of the pre-emption land claim of D. D. Bailey, in Section 21, in Township 1 N, R. 10 W, Will. Merd. in Oregon, beginning at a point 12.13 chains west of the meander corner between Sections 21 and 22 in said Township and Range, and on the North boundary of the aforesaid claim, and running thence South 8.75 chains; thence East 3.43 chains; thence South 3.00 chains; thence South 69 degrees West 3.67 chains; thence South 82 degrees West 2.87 chains; thence North 13.37 chains; thence East 2.84 chains, containing five (5) acres.

Also: Commencing at a point 15 rods West from the Meander post of Tillamook Bay, between Section 21 and 22, running thence West 4.95 chains; thence South 11.75 chains from which said meander post is a spruce tree 3 inches in diameter, bearing North 26 degrees East 11 links; thence along the County Road in Southeastly direction 8.78 chains to a post bearing North 12 degrees East is a witness tree from which said post is a witness tree distant 150 links from which said post last mentioned is another witness tree bearing South 38 degrees West, distant from said post 58 links; thence North 4.50 chains to the place of beginning, containing four (4) acres, more or less, all in Section 21, Lot 4, T. 1 N., R. 10 W, Will. Merd. in Tillamook County, Oregon.

Dated this 25th day of July, 1916.
Wm. J. Murphy, Guardian.

Notice of Appointment of Executor.

Notice is hereby given that by an order of the County Court of the State of Oregon, for the County of Tillamook, made and entered on the 28th day of July, 1916, the undersigned was appointed executor of the last will and testament of Jacob Luthi deceased.

All persons having claims against the said estate are hereby notified to present them, properly verified as required by law, to the undersigned at the office of E. J. Claussen, attorney, in Tillamook City Oregon, within six months after the date of this notice.

Dated the 3rd day of August, 1916.
Emil Benschmidt,
Executor of the last will and testament of Jacob Luthi, Deceased.

Citation.

In the County Court of the State of Oregon, for Tillamook County. In the matter of the estate of Mattie E. Oliver, deceased.

To Ella B. Thayer, Eliza Dean, Amy Searles, George Dean and Julia L. White, and all other persons interested in said estate:

Whereas, application having been made in due form to the above named court on the 17th day of August, 1916, by Herbert V. Alley, executor of said estate, for an order licensing and directing him to sell the real estate belonging to the estate of said decedent and described as follows, to-wit:

Lot 8 of Block 12, Necarney City, Lot 4 of Block 7 and Lots 4 and 5 of Block 8, in Tohl's Addition to Nehalem City, all in Tillamook County, Oregon, and

Whereas, said Court has fixed the 3rd day of October, 1916, at the hour of 10 o'clock a.m., at the court room of this Court in the court house, at Tillamook City, Oregon, as the time and place for hearing any and all objections to said petition and the granting of said order licensing the sale.

Therefore, in the name of the State of Oregon.

You and each of you are hereby cited, directed and required to appear at said time and place then and there to show cause, if any you have or if any exists, why an order of sale should not be made as in the petition prayed for, and why said order should not be granted and said license issued.

Dated this 17th day of Aug., 1916.
Witness the Honorable A. M. Hare Judge of said Court, with the seal of said Court affixed.

J. C. Holden, County Clerk
First publication Aug. 17, 1916.
Last publication Sept. 14, 1916.

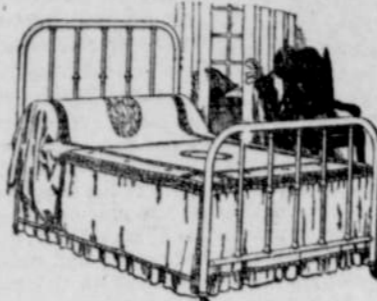
Notice of Completed Contract.

Notice is hereby given, that the County Surveyor for Tillamook County, Oregon, has filed in this office his certificate for the completion of the contract of Mallory, Haas and Blum, on the Blaine Bridge No. 5, in accordance with the plans and specifications, and any person, firm or corporation, having objections to file to the completion of said work, may do so within two weeks from the date of the first publication.

Dated this 10th day of August, 1916.
J. C. Holden, Clerk.
First publication, Aug. 10, 1916.
Last publication Aug. 24, 1916.

Itney Service: Auto for hire at all hours. Phone 53J Day—154J night Lee Slyter.

This Is the Time To Buy Beds!



Right at this season is the very best time to buy beds—when our stock is full and complete for your selection.

Above, for example, we show one of the beautiful new Simmons Steel Beds as advertised in the Ladies' Home Journal and Saturday Evening Post. Come in and let us show you the full line.

They are the famous light weight, electrically welded steel about which you have been reading. There is not a nut or a bolt in the whole bed to rattle loose. And the finishes are beautiful.

The quality of our merchandise is the best that human skill and ingenuity can produce; our enormous buying power lowers the price to the point where they cannot fail to interest even the most experienced buyers. Let us prove to you that we can and do sell you the greatest home-furnishing values at prices no other concern can equal.

Jones-Knudson Fur Co. TILLAMOOK, ORE.

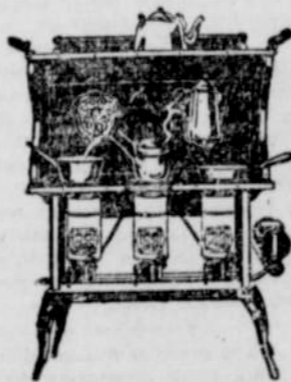
ALEX. McNAIR & CO.

GENERAL HARDWARE

Kitchen Ranges and Heating Stoves.

THE BEST STOCK OF HARDWARE IN THE COUNTY.

See Us for Prices Before Ordering Elsewhere.



Like Gas for comfort and convenience

NEW PERFECTION OIL COOK-STOVE

No coal, wood or ashes to lug—no waiting for the fire to burn up. Better cooking because of the steady, evenly-distributed heat, under perfect control. All heat concentrated on the cooking and not radiated around the room. The long, blue chimneys prevent all smoke and smell. Bakes, boils, roasts, toasts. More efficient than your wood or coal stove and costs less to operate. ASK YOUR DEALER TODAY.

STANDARD OIL COMPANY (California) Tillamook

For Best Results Use Pearl Oil

Better cooking and a cleaner, cooler kitchen. Now serving 2,000,000 homes

In 1, 2, 3 and 4-burner sizes, with or without oven. Also cabinet models with fireless cooking oven.

For Sale by

KING & SMITH CO. ALEX McNAIR CO.

THE "GREATER OREGON"

With new buildings, better equipment, and many additions to its faculty, the University of Oregon will begin its forty-first year, Tuesday, September 12, 1916.

Special training in Commerce, Journalism, Architecture, Law, Medicine, Teaching, Library Work, Music, Physical Training and Fine Arts. Large and strong departments of Liberal Education.

Library of more than 62,000 volumes, fifteen buildings fully equipped, two splendid gymnasiums.

Tuition Free. Dormitories for men and for women. Expenses Low.

Write for free catalog, addressing Registrar

UNIVERSITY OF OREGON
EGGERS, OREGON

DAVID ROBINSON, M.D.,
PHYSICIAN AND SURGEON,
NATIONAL BUILDING,
TILLAMOOK — OREGON.

ELANDE ERWIN,
PIANO INSTRUCTION,
Diploma from Chicago Musical College.—Beginners receive the same careful training as the most advanced. Terms—\$4.00 per month instruction.

All lessons given at Studio.
County Representative for the Wiley B. Allen Co.'s line of high grade pianos, player-pianos, Victrolas etc.

T. BOALS
ATTORNEY-AT-LAW.
Complete Set of Abstract Books in Office.
Taxes Paid for Non Residents.
TILLAMOOK BLOCK,
Tillamook — Oregon
Both Phones.

R. T. BOALS, M.D.,
PHYSICIAN AND SURGEON.
Surgeon S.P. Co.
(I. O. O. F. Bldg.)
Tillamook — Oregon.

WEBSTER HOLMES,
ATTORNEY-AT-LAW
COMMERCIAL BUILDING,
FIRST STREET,
TILLAMOOK, — OREGON

T. H. GOYNE,
ATTORNEY-AT-LAW.
Office: OPPOSITE COURT HOUSE,
Tillamook — Oregon.

D. R. JACK OLSEN,
DENTIST.
(I. O. O. F. Bldg.)
Tillamook — Oregon

CARL HABERLACH,
ATTORNEY-AT-LAW.
TILLAMOOK BLOCK
Tillamook — Oregon

D. R. L. L. HOY,
PHYSICIAN AND SURGEON
TILLAMOOK BLOCK,
Tillamook, — Oregon.

JOHN LELAND HENDERSON
ATTORNEY
AND
COUNSELLOR-AT-LAW.
TILLAMOOK BLOCK,
Tillamook — Oregon.
ROOM NO. 201.

W. C. HAWK,
PHYSICIAN AND SURGEON,
Bay City — Oregon

J. E. REEDY, D.V.M.,
VETERINARY.
Both Phones.
Tillamook — Oregon.

Have Your House Wiring Done by Coast Power Co.
DONE RIGHT at RIGHT PRICES.

Automobiles
Good Values in Used Cars
1—1914 Ford, a snap \$325.00
1—Buic Delivery Truck 125.00
1—1913 Ford Body 15.00
See ROSENBERG At Tillamook Garag