

Derby of the Air.

Continued from 1st page.

of the great Eiffel tower and returned to the desired spot, showed with what success the Brazilian had attacked the problem. But Santos-Dumont's theory must always be open to one fatal objection—that he depends for his support in the air upon the very precarious gas which fills his balloons and upon the necessarily flimsy cloth which incloses that gas.

This method will always be too uncertain and dangerous for commercial purposes. Every increase of load necessarily increases the size of the balloon to support it, and every such increase adds to the danger.

This danger was illustrated very strikingly in the recent Mediterranean accident. The ship became mixed up in a squall, and the efforts of Santos-Dumont to right matters only tipped over his gasoline engine, making an explosion imminent. The experience proved that in all such cases flying machines of the Santos-Dumont type would be most dangerous; that passengers in them would, in fact, have almost no chance of safety.

Professor Langley started out on an entirely different theory. His aim has been to eliminate the balloon altogether and depend on winglike planes to support his machine. For twenty years he has been trying to find out why birds fly. He found that birds flew with apparently little effort; that the secret of their flying was that they developed great power in comparison to their weight. But he failed to discover how this power was generated.

With this question before him, Professor Langley set about inventing an engine which from less than ten pounds weight could generate one horsepower of force.

In this he was finally successful. An engine was invented which could generate a horsepower of force from seven pounds of weight all told.

The next question was how to construct the airship itself. After years of experiment the plan hit upon was this: A long steel rod was to be held



PROFESSOR S. P. LANGLEY.

between two sets of inclined wings, held rigid. Suspended upon this rod was to be the little gasoline engine which was to operate a screw propeller very much like that used by steamships. This propeller was to be placed between the wings so that the back wing would be behind the screw. To the rear of the back wing would be the rudder, which would have apparatus for lateral and longitudinal steering.

At last the "aerodrome," for that was what he called his airship, was launched. The engine was set for only two minutes, for the airship had not been built large enough to carry a man, but the machine soared into the air as gracefully as a bird, and when the engine had spent its force the machine descended lightly to the ground entirely uninjured. This was several years ago, and since then in the seclusion of his laboratory Professor Langley has been working upon a larger airship, one which can carry larger engines and which can carry an engineer to operate it.

It is necessary for Professor Langley's airship to move with great rapidity to remain suspended in the air. It will be capable of infinite development. The wings, always set, will act somewhat as a parachute in case of accident to the machinery, so that there need never be any drops through the air, as in the case of Santos-Dumont's balloons.

With the improvement in the hardening of aluminum the steel bar used for this machine and the material of the engine will be still more lightened. Professor Langley said a few days before the beginning of the twentieth century that he believed aerial navigation would be a fact in the first decade of the century. It would certainly seem that the prophecy of such a cautious and scientific investigator would be of some value.

Sir Hiram Maxim, inventor of the Maxim gun, has also been experimenting in aerial navigation, but has not taken the public into his confidence. It is said, however, that his airship depends upon the principle that the air is a sort of plane, down which birds slide and with the force gathered in the descent are able to go up again with but little propelling assistance.

**There are two ways of doing business
A right way and a wrong way**

The right way (my way) is to sell everything on a small margin or legitimate profit—no matter whether it is Sugar, Calico, Shoes, Furnishing Goods or anything else.

The wrong way is to advertise to sell one or two articles, such as Sugar or Calico, below cost and make up the loss on other goods.

The store that advertises sugar for less than cost must necessarily charge you fifty to one hundred per cent profit on other goods to make up the loss on sugar.

No merchant is in the field to loose money. My goods are at your disposal at a price you can well afford to pay. My price list proves that fact. Ask for one and convince yourself by comparison.

You will save money by buying your supplies here.



POINTS Regarding the Forty Second Annual Statement of the EQUITABLE LIFE.

New business written in 1901:	\$245,912,087.00
Gross assets,	331,039,720.34
Gross surplus	71,726,797.06
Total payments to policy holders	27,714,621.42

During the past ten years, the Equitable has paid \$26,056,381.99 in dividends of its policyholders, which largely exceeds the amount paid in dividends by any other Company during the same period.

**ELECTRIC LIGHTS ELECTRIC FANS
COOL SUMMER ROUTE**

WABASH NIAGARA FALLS SHORT LINE

Along the shores of the GREAT LAKES

To New York and New England Points

C. S. CRANE, G. P. Agt. St. Louis, Mo. ROSS CLINE, P. C. R. Los Angeles Cal.

He calls his machine an aeroplane. He uses a propeller, though not to the same extent as is the case with Professor Langley. The wings of his ship are very much larger than those of the Smithsonian inventor, and to the uninitiated it would seem that his plan is essentially more dangerous than that of Professor Langley.

There is a good deal of "hot air" in the above, but it is interesting, inasmuch as we have right here in Lakeview a genius who may some day "soar high" above the clouds in a machine invented by himself. The man referred to is Perry O. Stanley, whose picture, as a boy of 14, is reproduced below by The Examiner artist, from an old photograph. Perry is caught in an attitude



that denotes deep study. He is turning over in his brain the intricate points which, when put together, made a water motor that worked satisfactorily. Soon after that time Perry was the "devil" in The Examiner office and often he struck many such attitudes during the busy times in the old Examiner shop. So often, in fact, did these "attitudes" occur that the boss concluded he would make a better inventor than a printer, and he chose another profession. From the footsteps of a "poor printer" he entered a school of electrical engineering, where he graduated, and then accepted a position at a big mine in Napa county, Cal., where he drew down a salary of \$1800 per year. His family fell victims

to ill health and he returned, after many years, to his old home in Lakeview to accept the position of electrician in the Lakeview Electric Light Works, which position he now holds.

For a few years past Mr. Stanley has been studying out an invention that he believes he will soon be the master of—a liquid air engine. It is an engine which he expects to make a power propeller without the aid of a boiler, and to be run without heat or steam. The fine point about this proposed engine is, that after charging it with liquid air it will make its own liquid air and run twelve hours without being recharged. The engine will develop 1 horse power to every 4 pounds of its own weight. The average engine weighs 200 pounds to each horse power. In his work on the new invention Mr. Stanley has made four models of this engine, only one of which was in part a success. He is now at work on a new model. The fourth one was so near perfect that he believes the one now in course of construction will work successfully in every detail. This invention, according to Mr. Stanley's idea, can be attached to any ordinary engine and furnish power, without the cost of fuel or water. The cost of running this machine, outside of lubricating oil, will be less than 25 cents for each 10-horse power for 12 hours run. The time taken up in recharging every 12 hours will be five minutes. The model Mr. Stanley is working on at present will be sent to San Francisco, and a 2-horse power made from it. Mr. Stanley has an abundance of financial backing to perfect and patent his invention. He has worked on and studied over a flying machine invention that he has great faith in some day bringing before the public in a perfect condition. It would be an excellent mode of traveling out of and coming back to Lakeview in the absence of railroad facilities.

George Bennett, proprietor of the Alturas-Cedarville stage line had the misfortune to lose several of his valuable stage horses from pink-eye last week. That disease has made its appearance in several parts of the county this fall.—New Era.

LOCAL BRIEFS

Ashland has a wood famine.

The Goose Lake hen is still on a strike.

Wheat sells at 14 cents in Surprise Valley.

J. D. Farra arrived from Paisley Monday evening.

Stationery of every description, and pure, fresh candies at Wilcox's. 42-2

Post & King's club room is being refitted and remodeled.

Frank Partin, the jockey, has gone to Oakland to ride this winter.

It "snowed" a little last Thursday on the hills surrounding Lakeview.

Born—At Davis Creek, Oct. 16, 1902, to the wife of Jesse Webb, a son.

Those fine desert camp stoves for sheepmen can be found at Schmincks. 42-2

F. P. Plummer and wife of Willow Ranch were in Lakeview Monday.

Lakeview ought to keep warm this winter with wood at \$5.50 and \$6.

Lem Heryford is selling "Bieber's Good Goods" in place of Jack Hardin.

Mrs. E. H. Smith has gone to Tacoma to visit her mother, Mrs. M. T. Walters.

Those elegant new heaters have arrived at Schmincks. Don't purchase until you see them. 42-2

Born—In Paisley, Oct. 12, 1902, to the wife of Stephen Gaylord, a daughter.

Lewis Frakes of Warner Lake was a business visitor in Lakeview last Saturday.

Born—In Cedarville, Cal., Oct. 20, 1902, to the wife of Sol. Street, a daughter.

I. Robnett and family, of Willow Ranch were in Lakeview last Friday on business.

The famous Carson Glove Company's gloves dressed and undressed, fine line, at Cheney's. 43-2

D. C. Berry of Davis Creek recently sold 65 head of fine beef to Geo. H. Bayley of Likely.

Prof. Miller is organizing a brass band. See notice to those who desire to become members.

Clay Rambo, the stockman from Warner, was a business visitor in Lakeview last week.

Mrs. W. T. Boyd has returned home from a trip to Shasta, where she visited her husband.

Try the Ashatan glove, something new, at Cheney's. He has them in short wrist and gauntlet styles. 43-2

James H. Owen, stockman of Round Grove, was a business visitor in Lakeview last Monday.

Ross Finley was over from Sprague river this week with a four-horse outfit after Goose Lake fruit.

Andrew Hamersley, always a popular clerk, (particularly so with the ladies) is now at Bailey & Massingill's.

Wilcox has a great run on those popular 5 cent cigars. Those who like a mild and fragrant smoke get their cigars at Wilcox's. 42-2

Geo. A. Duke of Likely has purchased the beef of Luke Mulkey, Walter Duke and J. D. Mulkey at Davis Creek.

Studley & Harris, the furniture men are doing a big business. The firm is constantly adding to their stock.

Mr. Wendell, of the City Market, purchased, a few days ago, 12 head of fine two-year old steers from Mrs. Pleasants of Willow Ranch.

The Oregon Hotel continues to cater to the public. Fine meals and comfortable lodging. The Oregon retains its popularity as a family hotel. 42-3

The divorce case of Messner vs. Messner, on trial before the circuit court last week, was taken under advisement by Judge Benson.

Mr. and Mrs. Dan Malloy arrived yesterday from Klamath Falls, and are receiving the congratulations of their many friends.

Richard Sherlock left for Paisley yesterday, having been here looking after some business before the Circuit court for several days.

See Mrs. F. D. Smith if you wish to order first-class wraps and tailor-made goods. Agent for the famous Edward B. Grossman Co., Chicago. 43-11

Claud McCall, the young giant from the North, is now in the employ of Louis Gerber, and is driving a big bunch of sheep to Merrill.

Kodaks! Kodaks! At Wilcox's. A full line of the latest in Kodaks and Cameras; also complete line of Camera supplies. Call early. 42-2

Mark Musgrave and Will Rehart went to San Francisco last week, where the latter will enter a hospital to undergo an operation for appendicitis.

Mr. and Mrs. Will Hartlerode of Paisley went to Davis Creek last week to remain all winter. Mrs. Hartlerode was formerly Miss Josie Mulkey.

Presiding Elder Summerville will preach at Cottonwood Church Cal., on next Sunday morning. The people at Pine Creek are requested to be present.

It is usually the backbiter that gives affront. The backbiter and scandal monger is always of the utter ignorant class. Lakeview has a few of them.

Dr. and Mrs. Steiner received word this week that their little daughter Barbara had been seriously ill with diphtheria at Salem, but was convalescing rapidly.

Mrs. N. Schlangel was visiting her daughter Mrs. J. Flock at Klamath when the big fire occurred there, and the family was compelled to camp out on the hillside.

William G. Watson proved up on his West Side homestead last Monday. Watson says he can grow alfalfa and garden produce on his place without irrigation.

C. H. Dalrymple left for Ashland Monday on business. Mrs. Dalrymple, who has been stopping with her parents at Ft. Klamath for several months, will return with him.

The Lakeview public school reopened on Monday after a postponement of two weeks, owing to scarlet fever. The disease was in mild form and has completely died out.

H. Gore, veterinary dentist has located here, and will make old horses young. Gore is said to be a man who understands his business. Read his professional card in this issue.

Bucks for sale—Thirty bucks, choice Ramboulets and Delaines, at the Thousand Spring Valley, Summer Lake. Price \$8.50 per head. Inquire of J. L. Coleman, Lakeview, Oregon. 42-11

At Howell and vaqueros did not leave with the big band of horses last week, as was announced. There was a delay in gathering the bunch, and they will probably get away Saturday.

Ollie Howard was in from his Quartz valley stock ranch last Monday, buying household furnishings. Ollie has just completed a new residence and he and his bride are going to housekeeping.

The town of Klamath, recently destroyed by fire, will probably not be rebuilt. The new town of Laird is now the center of attraction and former Klamath citizens will remove to that place.

Mrs. Charlton and family have moved to town from the ranch in order that the children may attend school during the winter. They have rooms at the residence of Mr. and Mrs. J. W. Brown.

A daughter was born to the wife of John W. Peacock on October 20th. The infant weighed $\frac{7}{8}$ of a pound, and its lease of life was of short duration. After living 6 days, the child died, and was buried on Monday.

Louie Gerber, the stock buyer, is an enthusiastic supporter of Franklin K. Lane, the Democratic nominee for Governor of California. Mr. Gerber believes the Republicans will win most of the state ticket, but so firmly believes that Lane will defeat Pardee that he is willing to wager \$100 on the result.

THE OLD RELIABLE



ROYAL BAKING POWDER

Absolutely Pure
THERE IS NO SUBSTITUTE