

TEST WOOD IN COOS BAY WANTS MARSHIP FRAMES

German Architect Has Invented Type of Flying Machine to Overcome Electrical Disturbances—New Magnetic Weapon.

By Malcolm Clarke.

(From the Hearst News Service.)

Berlin, Aug. 7.—A new form of dirigible airship has been invented by a German architect, Herr Rettig, who claims that it is a very considerable improvement on the Zeppelin type. Herr Rettig is well known in Germany as the collaborator with Herr Wallof in the construction of the recharging building, as the architect of public buildings in Dresden, Munich and other towns, and as the constructor of racing boats. The impulse to develop the new type of construction of airships was given him by the catastrophe to Count Zeppelin's airship at Echterdingen, and he at once realized that there would be far less possibility of an airship being imperilled by electrical discharges if the frame were of wood instead of metal. The knowledge of the qualities of wood gained in the construction of racing boats stood him in good stead and he immediately proceeded to utilize it. He selected Canadian fir as being the most advantageous for the purpose. To save weight, Herr Rettig employs hollow rods formed in the manner of lead pencils, leaving the wood solid only in places where there is extra strain. The lightness of the frame thus gained enables Herr Rettig to build his airship with a capacity of from 5000 to 7000 cubic meters, whereas the Zeppelin type must have a capacity of at least 10,000 cubic meters.

Form Much Improved.
Herr Rettig has also improved the shape of the airship. The form of the Zeppelin and the relatively small diameter does not permit the car to be placed immediately under the center, but compels the airship to rise a few feet above the water. The new airship is given an elliptical form, with the greatest diameter just in front of the axle. This form, it is claimed, is superior to the cylindrical shape in that it reduces the dead weight and increases the resistance to pressure and shock. It also reduces the resistance to the force of the wind to a minimum. Another advantage of the wood frame is that it is elastic, and thus much more unlikely to be injured by sudden gusts of wind than one made of metal. Finally, the Rettig wooden frame neither generates nor conducts electricity, and there is nothing to prevent a wireless telegraphy apparatus being fitted in the car. Herr Rettig points out further, that a metal frame is apt to rust, whereas wood, properly varnished, is practically impervious to meteorological influences. He calculates that the about 30 per cent greater than that of a Zeppelin, and this assures him a far greater radius of action which will be invaluable in time of war and will enable him to take a larger number of paying passengers on pleasure trips in time of peace.

Steering Device Simplified.
The fact that the single car is hung from the center of the airship greatly increases, according to Herr Rettig, its steering and maneuvering capabilities. The "meshes" of the Zeppelin frame measure 10x10 feet, and the airship frame can be reduced to 10x10 feet. This, of course, enables the covering of the Rettig airship to withstand a far greater pressure from within than in the case of the Zeppelin covering, and thus permits the Rettig airship to remain longer in the air without landing. It is claimed that such airships can easily travel from one continent to another, and can maneuver for hours over the enemy's country without needing to land.

New Weapon of Destruction.
A "submarine magnet," which is to be used as a weapon of destruction in the naval warfare of the future, has been patented in Germany and experts believe that the country has thereby acquired a valuable asset in maritime operations. If their opinion is correct, the twentieth century will have realized a fable of the "Arabian Nights." Patents, it must be remembered, are only granted in Germany after all aspects of the invention in question have been thoroughly investigated by numerous experts, all of whom incline much more to skepticism than to credulity. The mere fact of an invention being patented in Germany is thus to some extent a guarantee of a certain amount of practicability.

Immense Magnet.
The weapon in question consists of a huge magnet far surpassing in strength any of the kind that have hitherto been manufactured. The magnet, which has the same shape and form as a giant cog-wheel, will be connected with the shore by means of electric cables running into a power station which will be quite technically called "junk." The magnet will be placed primarily at the mouths of rivers or bays, and will have to be protected against the hostile attacks. The effect on steel

Great Preparations Made to Have Portland Delegation at Convention.

Particular efforts are being made by the Chamber of Commerce and the transportation committee of the Chamber of Commerce to secure a large delegation of Portland business men at the annual meeting of the Oregon and Idaho Development League, which is to be held at Marshfield August 20 and 21—Friday and Saturday of next week. Urging members of the Portland Chamber of Commerce to attend the sessions of the league at Marshfield, it being particularly desirable that Portland have a good representation at this meeting, because a considerable delegation will attend from San Francisco, with the idea of encouraging trade relations between San Francisco and the Coos Bay district.

The guests are to be entertained while in Marshfield by the Coos Bay Chamber of Commerce and the business men of that district are expecting a large delegation from here. Most of the delegates from Portland will probably leave either on the steamships Breakwater or Adiance, which leave Portland Wednesday, August 18.

Foremost among the matters to be discussed at the meeting is the proposition for cross-the-state railroad to connect Ontario with Coos Bay, and which was one of the original purposes of the formation of the Development League.

ships passing near these magnets will vary according to the size of the ship, but in general result, it is claimed, would be to render them unmanageable and entirely at the mercy of their adversaries on the spot. The attractive force of the magnet, according to the inventor, would be so tremendously powerful that a standard sized ship, which was one of the original purposes of the formation of the Development League.

Direct Ship's Course.
In the case of smaller ships, it is even asserted that they would be drawn from their set course by the attractive force of the magnet. It would thus be possible to run a hostile ship of moderate size ashore by means of this weapon. In the case of still smaller ships it is further suggested that they might be drawn under water by the attractive power of the magnet. Experts declare that this weapon can be effectively used, not only for home defense, but also in offensive operations far away from home ports. It might be possible, for instance, to sink such a magnet at the mouth of some hostile port and connect it by submarine cables with a dynamo ship anchored sufficiently far away to be invisible and outside the immediate area of danger.

German Naval Engineer Inventor.
The inventor of this weapon is a German naval engineer, whose name has hitherto been kept secret. The magnet can be constructed cheaply, and its handling is simple. Test experts who were asked to draw up a technical report on this invention expressed their opinion that it may prove so effective as to revolutionize some of the prevailing methods of naval warfare. Until, however, a modern battleship has been actually detected from home by one of these magnets and her 12 inch guns rendered useless by its means, there will necessarily be some skepticism as to its value.

A notable success in crime detection has been achieved by a police dog. An innkeeper had received a visit from a burglar. A police dog was brought on the scene. The dog discovered a jar of fat, which had been overturned by the burglar. The animal left the inn and led the police to a workman in the suburb. Greasy spots were discovered on the man's clothes and he ended by confessing that he was the burglar. Another police dog has run an incendiary to earth.

WEALTHY JAP TO WED MISS CORBIN

(United Press Local Wire.)
Detroit, Mich., Aug. 7.—Miss Alice Corbin of Kentucky, granddaughter of Henry C. Corbin, former adjutant general of the United States army, now retired, will be married here this evening, by a Methodist minister, to Darciboro Woyono, a prominent Japanese of this city.

The members of the Corbin family will attend the wedding. They objected strenuously at first to the alliance but later were won over and have given their consent.

Woyono recently sold a large mercantile business here and is wealthy. The couple will go immediately from here to New York where they will reside. They will visit the Tokyo exposition in 1912.

Back From New York.

Mrs. E. H. White has returned from a month's business trip to New York. The business of the Needlecraft Shop has grown to such proportions that Mrs. White feels it is necessary to visit the importers of linens and materials used in her store. Now that she is to move in a short time from her location on Sixth street near Morrison to the Masonic building, the necessity for visits to the wholesale markets will be even more imperative. Mrs. White found time on her return trip to stop for a short visit to her old home in Buffalo, N. Y., and then again to stop over at Seattle and see the sights of the A-Y-P. exposition.

PLAN EXTENSIVE SCHOOL WORK

Educational Department of Y. M. C. A. Will Have a Most Complete Course.

Preparations for the most elaborate educational program ever attempted by the Y. M. C. A. of Portland are under way. Choice of the faculty personnel for the coming year was completed yesterday. Educators well known for their ability and high standing in their various departments were chosen in order to make the work as effective as possible.

The faculty of the Y. M. C. A. Institute, which will be housed in the new building, Sixth and Taylor streets, follows:

Fletcher Linn, chairman, educational committee; Robert French, educational director; J. Oscar Russell and Paul H. Uymann, educational directors.

Drawing—E. B. MacNaughton (MacNaughton, Lawrence & Raymond), director and instructor of architectural drawing; J. J. Merrill (Modern Mining Machinery company, Michigan); George E. Bingham (Rose City Art store), free hand drawing; Robert R. Steele (Portland public schools), arithmetic; Ross E. Hicks (Hill Military academy), algebra; J. Oscar Russell (assistant, educational director), geometry and trigonometry; F. M. Rendlett (assistant city water engineer), mapping and surveying.

Trades and Crafts—Harry Reimers (Reimers & Seed, contractors), brick laying; W. A. Turnbull (foreman for I. L. Marshall), carpentry, joinery and wood turning; A. T. Nelson (Truss Concrete Steel company), reinforced concrete; Thomas E. Hulme (contracting plumber), plumbing; M. G. Steel (Portland public schools), manual training; Harry Shank, automobile; Otto T. Guldemeister (Portland School of Trades), electricity; A. E. Beamis (chief telegraph clerk of O. R. & N. Co.), telegraphy and dispatching; C. L. Proebstel (analytical chemist and assayer), assaying and mining.

Science—Ross E. Hicks (Hill Military academy), physics; W. Green (East Side High school), applied chemistry; A. E. Irving (horticulturist), apple culture; Edmond P. Sheldon (secretary Oregon and Washington Lumber & Manufacturing association), forestry and lumbering.

Language—Hugh Montgomery (attorney), rhetoric, English, literature and Latin; W. V. Green (East Side High school), English for foreign men; J. Oscar Russell (assistant educational director), English grammar and composition; Henry P. Rodney (language instructor), French; T. G. (language instructor), German; A. Ralph Vejar (counsel for Chill in Portland), Spanish.

Commerce—A. S. Monroe (president Monroe Advertising company), advertising; John S. Beall (president machine and implement company), salesmanship; J. W. Anderson (commercial artist for Meier & Frank), commercial show card writing; John A. Wesco (stenographer), shorthand and typewriting.

Special Courses—J. H. Carr, eight assistant educational director working boy's school; Paul F. Nolan (Mutual Life Insurance company), study of vocations.

BARBER SHOPS ARE KEPT SANITARY

Salem, Or., Aug. 7.—The semi-annual report of the state board of barber examiners was filed with the governor today, and shows that about \$1100 has been collected in fees from apprentices and on barbers' licenses during the past six months. The board also sets forth conditions that are in a more sanitary condition than for many years.

More rigid regulations governing the cleanliness of barber shops are being provided, with the result that the industry is better protected from danger of infection.

St. Louis at Honolulu.

Honolulu, Aug. 7.—The United States cruiser St. Louis arrived here today from Samoa. She will remain a week in this port.

FINDS \$500 IN GOLD NUGGETS

Rich Mining District May Be Opened Up in Swauk District, Wash.

(Special Dispatch to The Journal.)
Ellensburg, Wash., Aug. 7.—Carl Enckel, who has a placer mine in the Swauk district, arrived in the city today with \$500 in gold nuggets, which he deposited with the Washington National bank. The gold will be sent to the assay office in Seattle to be melted into bullion. The specimens of the gold which Enckel brought to the city today are among the finest samples of nuggets which have been shown in Ellensburg since the opening of the Swauk district. The gold ranges in size from pieces the size of a pea to one nugget nearly pure gold, which comfortably fits the palm of a man's hand. The specimen weighed six ounces, 12 pennyweights and six grains, and was bought by the bank for a paper weight. The gold brought here today is the third considerable amount of metal which has been found in the Swauk within the last three weeks. Two ledges showing good prospects of gold were discovered by their owners, who believe that they have found valuable properties. Ever since the Swauk district was discovered and nuggets weighing several pounds picked out of the gravel, it has been believed by the miners that somewhere in the Cascade range there lies an immensely rich lead. At the present time the miners are approaching the ledge, and mining activity in the mountains is on the increase.

LITTLE GIRLS BEAT MEN IN ATHLETICS

Lapaz, Bolivia, Aug. 7.—The Bolivian congress was opened today at President Montes. The president left it to congress whether or not Bolivia should accept the decision in the boundary dispute with Peru. President Montes said Bolivia's relations with Peru were friendly, and he expressed the hope that the situation would not cause any difficulty with that country.

Stood the Trip Well.

Russell E. Sewall returned last week from an auto trip to the A-Y-P. at Seattle. He reported rough roads, but states that his new 15-horsepower Model G Franklin was equal to the difficulties encountered. Not a stop was made for repairs to tires or car.

LANG SHEE HIT BY PASSING CAR

Well Known Chinaman Has Skull Fractured and Probably Will Die.

While on his way to pay a debt he had owed for months, Lang Shee, one of the more prominent Chinamen of Portland, was struck Saturday afternoon about 2 o'clock by a southbound streetcar at the corner of Second and Oak streets, and perhaps fatally injured.

Word of the accident was sent to police headquarters, a few steps distance and Shee was rushed to the Good Samaritan hospital in the Red Cross ambulance. Attendants at that institution said last night late that Shee was not expected to live. His skull was badly fractured.

Just how the accident occurred has not been definitely learned because of the fact that practically all the witnesses were Orientals who ran as soon as they saw their brother struck down. Passengers and the motorman on the car declare that Shee stepped in front of the car when it was about eight feet from him. Apparently losing his faculties he hesitated and before the juggernaut could be stopped, was struck and thrown heavily to the side. Last night he was still unconscious.

Proof that the car was running slowly is established by white witnesses and passengers, all of whom aver that it was stopped within a few feet of where the man was hit.

Shee, a Chinaman of about 45 years of age, was employed as a cook in House's restaurant on First street between Washington and Alder.

CONTEST IN MUSIC FOR PACIFIC STUDENTS

Forest Grove, Or., Aug. 7.—An innovation is to be introduced at Pacific university in the form of a contest among pupils in music, including voice, violin and piano. The contest will be held at Marsh hall, September 24. Former students and graduates will be barred from the contest, which will be open only to students who enter the conservatory of music this year.

More than \$500 worth of prizes will be given to the successful contestants, the prizes to be in the form of scholarships and board and rooms at the hall. Professor Frank T. Chapman, director of the conservatory of music at Pacific, states that a number of music students have signified their intention to take part in the contest and it is hoped by the faculty that many students from Oregon and Washington will enter the contest. All contestants for the prizes must make application to the director of the conservatory before September 10 and should address him at 524 Elizabeth street, Portland.

Bolivian Congress.

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