

SENSATIONAL VOYAGE MADE IN MID AIR

St. Louis, Nov. 2.—Baldwin's airship, "California Arrow," was caused by its commander A. Roy Knabenshue, of Toledo, Ohio, to perform a number of very remarkable evolutions during the trial of Tuesday afternoon. The wind was blowing from the northwest at the rate of ten miles an hour, rapidly increasing to 18; but in the teeth of the breeze the vessel moved easily back and forth at the height of from 300 feet and upwards over the exposition grounds, and twice returned nearly to the point from which it set out. Just as it had described in the air a huge figure eight for the second time the spark of the gasoline engine was raised a little too high and the motor ceased to work, the vessel being at the time about 600 feet above the Plaza of St. Anthony between the palaces of Transportation and Varied Industries.

But this accident only served to emphasize the triumph; for even then, after the propelling apparatus could no longer be used and the machine was drifting on the wind, the aeronaut was still able, simply by the shifting of his own weight and the manipulation of the rudder and the ballast, to turn the craft around, raise and lower it in the air, and to control, to a considerable extent, the direction of its movement. Mr. Knabenshue decided just where it was best to land, and at 2:50 gently sank down at Valley Junction, East St. Louis, and alighted without the slightest injury to either himself or the machine.

Could the motor have been used throughout the trip the landing would have been made without any difficulty in the Aeronautic grounds at the same point from which the ascension had taken place.

The ascent and evolutions were witnessed by thousands of exposition visitors, and greatest enthusiasm was aroused by the perfect success with which the apparatus was propelled in any desired direction, either with, across or against the wind, so long as the engine remained in order.

The California Arrow is the property of Captain T. S. Baldwin and has been constructed after his plans, representing the final outcome of 30 years of study and experimentation. It has a cigar-shaped gasbag of varnished Japanese silk, about 52 feet long and 17 feet in diameter, with a capacity of 8000 cubic feet. On the upper surface and at the ends of the silk is doubled, and at the points of greatest strain trebled. The car, 40 feet long, is a light framework of white cedar braced with piano wire. It is, in section, a perfect equilateral triangle, so that the whole is in the shape of a right prism, save that it grows smaller and

smaller towards the ends. It is pulled through the air by a two-bladed silk propeller, 11 feet from tip to tip, set at an angle of 20 degrees at the front end of the car. The draught of air caused by its 200 revolutions a minute, serves to prevent explosions by constantly cooling the Hercules gasoline engine set about eight feet from the forward end of the car. The engine weighs only 66 pounds, but performs 2500 revolutions a minute and has a working capacity of seven horsepower. The aeronaut has a seat and conning platform about 12 or 13 feet further back, and he can move from one end to the other of the car at will, though a change of position of less than two feet is sufficient to cause the craft to ascend or descend in the air by raising or lowering the elevation of the bank. At the rear there is a rudder of six feet by ten, made of light canvas stretched on a bamboo frame. The total weight of the whole apparatus is only about 220 pounds. The maximum speed thus far attained, by means of its own engines, not taking the wind into account, is 12 miles an hour, but the usual rate is only about eight miles an hour.

The success achieved, confirming the sensational reports of previous trials made at Oakland, Cal., is all the more remarkable, in view of the fact that the meteorological conditions were peculiarly unfavorable, owing to the strong and shifty winds and the intermingling currents of air of different temperatures, causing a constantly varying pressure of the gas. Moreover, the California Arrow is little more than a small and cheaply-built working model. With a well-made engine and thoroughly up-to-date carburetor, such as those with which one of the larger Baldwin airships, now at Los Angeles, Cal., is being equipped, such accidents as that of yesterday will no longer be liable to occur.

The Baldwin airship will henceforth make ascensions here every two or three days, when the weather is pleasant, until the end of November, performing all sorts of revolutions above the exposition grounds, and making trips to neighboring towns. It is acknowledged by the exposition authorities to have fully qualified for a place among the contestants for the \$100,000 prize, which will be hotly disputed during the great aeronautic contests of November. Three other dirigible balloons, the Benbow, Francois and Reynolds, of much larger size and entirely different patterns, are already here and will begin to make ascensions as soon as the gas-generating plant is in working order, which will probably be the first of next week. The Baldwin airship will not wait for that time, but will continue generating its own hydrogen gas by the vitriol method.

Besides the dirigible balloons the Avery aeroplane is to make trial glides daily, morning and afternoon, from this time forward, in the Plaza of St. Louis, and the Badene-Powell man-lifting kites are to be operated a little later on, so that the air of St. Louis will be more abundantly and diversely navigated during the coming five weeks than that of any part of the world has ever been in an equal space of time.

Substantial evidence of the real dirigibility of a properly-constructed aerial craft, even under diverse conditions, have already been furnished, and Mr. Baldwin himself recognizes that some of his rivals have hit upon principles, of which he has never made use, that are nothing less than epoch-making contributions to the aeronautic art.

It is extremely probable that the demonstrations now being made at the world's fair will mark the beginning of a new epoch of serious and practical aerial navigation. The pioneers in this field suffer great disadvantages from the difficulty of getting competent workmen, and the necessity of putting up with relatively crude and unsatisfactory mechanical appliances. As the mechanism is perfected, through the lessons of experience and by the suggestions sure to come from the great moneyed interests when the business value of the idea and the entire feasibility of its practical application shall have been generally recognized, the airship will become more and more safe and efficient, and will pass rapidly from the position of a scientific toy and popular wonder to that of a useful means of transportation.

Sure Cure for Piles.

Itching piles produce moisture and cause itching, this form, as well as Bling, Bleeding or Protruding Piles are cured by Dr. Bo-sank's Pile Remedy Stops itching and bleeding. Absorbs tumors. 50c a jar at drug-gist, or sent by mail. Treaties free. Write me about your case. Dr. Bo-sanko, Phila., Pa.
Fore sale by Dr. S. C. Stone, druggist.

King's Daughters of Kentucky.

Louisville, Ky., Nov. 2.—The number of delegates and visitors already arrived indicate a record-breaking attendance at the annual state convention of the Order of King's Daughters. The gathering will be called to order this afternoon in the First Presbyterian church by the state president, Mrs. Homer M. Stucky, of this city. The sessions will continue several days and will be devoted to review of the work of the order during the past 12 months and to the mapping out of plans for the future. Delegates will be chosen to represent the state division at the international convention of the order, which is to meet next week in Memphis.

Official Trial of West Virginia.

Washington, Nov. 2.—In naval circles much interest is manifested in the official trial of the armored cruiser West Virginia, which is scheduled to take place today off the Cape Ann course. The ship will be in charge of the shipyard crew from Newport News, where she was built, though a large number of naval officers will be aboard to note the results. Those acquainted with her performances on the occasion of her builder's trial are confident that she will come up to all of the requirements of the government contract. The ship is of 13,680 tons displacement and is required to make a speed of 22 knots.

Not a Sick Day Since.

"I was taken severely sick with kidney trouble. I tried all sorts of medicines, none of which relieved me. One day I saw an ad of your Electric Bitters and determined to try that. After taking a few doses I felt relieved, and soon thereafter was entirely cured, and have not seen a sick day since. Neighbors of mine have been cured of Rheumatism, Neuralgia, Liver and Kidney troubles and General Debility." This is what B. F. Bass, of Fremont, N. C., writes. Only 50c at J. C. Perry's drug store.

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The Machine Behind the IFNE Work. Exceeds all others in LIGHT RUNNING, PERFECT ALIGNMENT, PERMANENT ALIGNMENT, EASE OF ACTION, BEAUTY OF CHARACTERS AND DURABILITY.

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We Rent. We Sell. We Exchange. We Repair.

BOILS AND ERUPTIONS

Have been suffering from Impure Blood for many years, having Boils and other Eruptions. Having heard of S. S. S. I decided to try it, and am glad to say that it has done me a great deal of good. I intend to continue to use it, as I believe it to be the best Blood Medicine on the market. Cleveland, Tenn. W. K. DETRICK.

For over fifteen years I have suffered more or less from Impure Blood. About a year ago I had a boil appear on my leg below the knee, which was followed by three more on my neck. I saw S. S. S. advertised and decided to try it. After taking three bottles all Boils disappeared and I have not been troubled any since. G. O. G. FERTIG.
114 W. Jefferson St., Louisville, Ky.

Newark, Ohio, May 23, 1903. From childhood I had been bothered with bad blood, skin eruptions and boils. I had boils ranging from five to twenty in number each season. The burning accompanying the eruption was terrible. S. S. S. seemed to be just the medicine needed in my case. It drove out all impurities and bad blood, giving me permanent relief from the skin eruption and boils. This has been ten years ago, and I have never had a return of the disease. MRS. J. D. ALBERTSON.

Write for our book on blood and skin diseases. Medical advice or any special information about your case will cost you nothing.
The Swift Specific Company, Atlanta, Ga.

DEPARTMENT OF THE INTERIOR

October 22, 1904. Pursuant to the provisions contained in an Act of Congress approved April 28, 1904, sealed proposals will be received at the office of the Secretary of the Interior, Washington, D. C., until 2 o'clock p. m., December 15, 1904, from responsible asylums or sanitariums west of the main range of the Rocky Mountains, for the care and custody of persons legally adjudged insane in the district of Alaska, for the term of one or more years, as may be deemed advisable by the Secretary of the Interior. Proposals should contain a statement showing the location of the institution and number of patients cared for at the present time, the number of additional patients that can be accommodated after January 16, 1905, and detailed information as to the scope and facilities of the institution, in order that the Secretary of the Interior may arrive at an intelligent conclusion in the matter. Each bid must be accompanied by a certified check payable to the Secretary of the Interior for the sum of \$500 as a guarantee that the bidder will, if successful, promptly execute a satisfactory contract and furnish a bond in the sum of \$5000 for the faithful performance of the contract. The right is reserved to reject any and all bids and waive technical defects. The existing contract for the care of such insane will expire January 16, 1905. Further information will be supplied on application to the Department. Proposals should be addressed to the Secretary of the Interior, and be marked "Proposals for the care of Alaskan insane." Bidders are invited to be present at the opening. E. A. HITCHCOCK, Secretary. 10-31-5t

WOOD FOR STATE INSTITUTIONS.

Sealed bids will be received at the Executive Office, State Capitol, Salem, until 2 o'clock p. m., November 10, 1904, for furnishing wood for the several state institutions located at or near Salem, as follows:
Insane Asylum, main building, 4500 cords first growth fir.
Insane Asylum, Cottage Farm, 1500 cords first growth fir.
Penitentiary, 700 cords first growth fir; 700 cords second growth; 100 cords oak.
Reform School, 475 cords first growth fir; 450 cords second growth.
Deaf Mute School, 350 cords first growth fir; 75 cords split ash or oak.
Blind School, 80 cords first growth fir; 10 cords oak.
Capitol Building, 400 cords first growth fir; 20 cords oak.
Bids on second growth fir wood for all or any part of the above will also be entertained.
Bids will be received for all or any part. Cordwood must be cut while green, from sound timber, four feet long, reasonably straight, well seasoned, delivered as designated, at or near the several institutions, closely corded without bulkheads. Delivery may begin May 1st, and must be completed by October 1, 1905.
Each bid must be accompanied by a certified check, payable to the Clerk, or cash equal to 25 cents per cord, to be forfeited to the state as damages, in case the bidder receiving the award shall fail to execute a contract to deliver the wood and furnish satisfactory bond. Successful bidders will be required within ten days after notification of acceptance of bid to enter into a contract and furnish a satisfactory bond. Bidders should be careful to

MARKET QUOTATIONS TODAY

"Make Salem a Good Home Market."

Poultry—at Steiner's Market.
Eggs—Per dozen, 30c.
Hens—8c.
Young chickens—8c.
Ducks—10c.

Harritt & Lawrence.
Eggs—Per dozen, 28c.
Potatoes, Vegetables, Etc.
Potatoes—1 1/2c.
Onions—2 1/2c.

Wood, Fence Posts, Etc.
Second-growth—\$4.50.
Big fir—\$5.00.
Ash—\$5.00.
Oak posts—15c.
Cedar posts—10c.

Hides, Pelts and Furs.
Green Hides, No. 1—5c.
Green Hides, No. 2—4c.
Calf Skins—4@5c.
Sheep—75c.
Goat Skins—25c to \$1.00.

Grain and Flour.
Oats—Buying, \$1.40@1.50.
Barley—\$23@23.50.
Hops—25@28c.
Salem Flouring Mills.
Flour—Wholesale, \$4.10.
Wheat—80c.

Live Stock Market.
Steers—2@2 1/2c.
Cows—1@1 1/2c.
Sheep—\$1.50@2.00.
Dressed veal—4@5 1/2c.
Fat hogs—5@5 1/2c.

Hay, Feed, Etc.
Baled cheat—\$12.00.
Baled clover—\$10@11.
Bran—\$22.50.

Eggs, Butter and Cream.
By Commercial Cream Co.
Eggs—27 1/2c.
Butter—27 1/2@30c.
Butter fat—27 1/2c at station.

PORTLAND MARKET.

Wheat—Walla Walla, 83c.
Valley—86@87c.
Flour—Valley, straights, \$4.65@4.85; graham, \$3.50@4.00.
Oats—Choice white, \$1.30@1.32 1/2; Barley—Feed, \$21.50@22.00 per ton; rolled, \$23.00@24.00.
Millstuff—Bran, \$19.00.
Hay—Timothy, \$14.00@16.00.
Potatoes—70@85c.
Eggs—Oregon ranch, 27@28c.
Poultry—Chickens, mixed, 12@12 1/2c; turkeys, live, 14@15c, dressed, 16@17c.
Pork—Dressed, 6@6 1/2c.
Beef—Dressed, 4 1/2@6c.
Veal—6@7c.
Mutton—Dressed, 3 1/2@5c.
Hops—1903 crop, 28@31 1/2c.
Wool—Valley, 19@20c; Eastern Oregon, 10@17c; Mohair, 20@25c.
Hides—dry, 16 pounds and upwards, 15@15 1/2c.
Butter—Fanch creamery, 23@25c.

A FULL STOCK

We now have a full stock of Hyacinths, Tulips, Crocus, Narcissus, Snow Drops, Jonquils and a nice assortment of Chinese Sacred Lilies. Would be pleased to have the public call and inspect our stock at

Savage & Fletcher

322-324 Commercial St.

state in their bids the name of the institution and the kind and number of cords of wood to be furnished. Bids must be in sealed envelopes, endorse "Proposal for Wood," and addressed to the undersigned. Any further information may be had of the undersigned. The right is reserved to reject any or all bids or any part of a bid, and to waive defects in any bids, if it be deemed to the interest of the state to do so.
By order of the Board of Trustees of the several institutions.
W. N. GATENS,
Secretary to Governor.
Oct. 26-28-31—Nov. 2-4-8.

DR. GUNN'S ONION CURE COUGHS, COLDS, HOARSENESS & CROUP.
Best Remedy for Children. Pleasant to take and safe in an overdose. The only medicine that can be sold by all Medicine Stores in large bottles for 50c. Made only by DR. GUNN & CO., Philadelphia. Write us we will send you a Sample Bottle free.

O. R. & N. OREGON SHORT LINE
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Three Trains to the East Daily Through Pullman standard tourist sleeping cars daily to Chicago, Spokane; tourist sleeping cars daily to Kansas City; Pullman tourist sleeping cars (seasonally conducted) weekly to Chicago; reclining chair cars (seasonally) to the East daily.

70 HOURS TO PORTLAND TO CHICAGO

DEPART FOR	TIME SCHEDULES From Portland, Or.	ARRIVE
Chicago Portland Special 9:15 a. m. via Huntington	Salt Lake, Denver, Kansas City, St. Louis, Chicago and East.	8:15 p. m.
Atlantic Express 8:15 p. m. via Huntington	Salt Lake, Denver, Kansas City, St. Louis, Chicago and East.	7:15 a. m.
St. Paul Fast Mail 6:15 p. m.	Walla Walla, Lewiston, Spokane, Wallace, Pullman, Minneapolis St. Paul, Duluth, Milwaukee, Chicago, and East.	6:15 a. m.

Ocean and River Schedule For San Francisco—Every Friday at 8 p. m. For Astoria, way point and North Beach—Daily (except Sunday) at 8 p. m.; Saturday at 10 p. m. Daily service (water permitting) Willamette and Yamhill rivers.

For fuller information ask of your nearest ticket agent, or A. L. CRAIG, General Passenger Agent, The Oregon Railroad & Navigation Co., Portland, Oregon.

TIME CARD NO. 26

No. 2 for Yaquina—
Leaves Albany 11:45 P.M.
Leaves Corvallis 1:04 P.M.
Arrives Yaquina 5:00 P.M.
No. 1 Returning—
Leaves Yaquina 7:15 A.M.
Leaves Corvallis 11:00 A.M.
Arrives Albany 12:15 P.M.
No. 3 for Detroit—
Leaves Albany 1:50 P.M.
Arrives Detroit 5:30 P.M.
No. 4 from Detroit
Leaves Detroit 6:10 A.M.
Arrives Albany 11:15 A.M.
Train No. 1 arrives in Albany at time to connect with the S. P. bound train, as well as giving two and three hours in Albany before departure of S. P. north bound train.
Train No. 2 connects with the S. P. trains at Corvallis and Albany for direct service to Newport and other coast beaches.
Train No. 3 for Detroit, Brantford and other mountain resorts leaves Albany at 1:00 p. m., reaching Detroit about 6:00 p. m.
For further information apply to EDWIN STONE, Manager, T. COCKRELL, Agent, Albany, H. H. CRONISE, Agent, Corvallis.

Land For Sale.

120 acres or more of the best grain land. All under cultivation, loan, can be worked at any season level and in one block, 3 1/2 miles from Salem, on good road. Balance of land has plenty of wood for 10 years. Apply direct to Journal office. 10-17-04

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A SAFE, CERTAIN, RAPIDLY EFFECTIVE REMEDY FOR ALL AFFECTIONS OF THE THROAT, LUNGS AND BRONCHES. NEVER KNOWN TO FAIL. Sold by all Druggists. Price per bottle, 50c. Wholesale, \$1.00 per dozen. Write for full particulars to the UNITED MEDICAL CO., BOX 74, LANSING, MICH.

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