

## BOYS' AEROPLANE MODEL.

Orange School Lads Solve New Problems in Navigation of Air.

*Special to The New York Times.*

ORANGE, N. J., Feb. 18.—With a model designed on entirely new lines, the Boys' Club of Orange, the members of which are students in the local high school, declare they have solved many of the problems of air navigation independently, and to be able to keep their flying machine upright in the air by new devices. They have already conducted experiments that demonstrate the soundness of their theory, they say, and will soon attempt to actually fly it. The first tests were made with a flexible filler sled, which, in spite of its weight, was lifted from the ground whenever the hollows were reached. The next tests will be made with a bicycle, when the lads say they will make a flight.

Those in the club are Justus Von Lengerke, Jr., President; Andrew Child, Secretary, and Elbridge Dudley, Treasurer. Von Lengerke is the chief experimenter, and he expects to test the machine with the bicycle.

The distinguishing feature of the club's model is the fact that tapering wings are used, along with a centreboard device, which combine to give it stability. The original machine, which buckled to-day under the weight of the heavy sled, was made of pine and muslin. The new model will be of stronger and lighter materials. The boys made the test to-day on Centre Street, near Highland Avenue, in this city, and until the point where the structure gave way under the extraordinary weight was reached, it was decidedly successful.

## DRAWINGS FOR TENNIS.

National Indoor Championship Starts To-day at Seventh Regiment.

Sixty-four players, the record entry for the event, were drawn last night for the eleventh annual National indoor lawn tennis championship in singles. The matches begin this afternoon on board courts of the Seventh Regiment Armory. Class from distant cities and the best of the collegians is evenly divided throughout the list.

The tournament will continue throughout next week, at which time the doubles will also be decided. The draw follows:

National Indoor Championship Singles.—First Round—Calhoun Cragin vs. G. J. Steinacher; B. S. Prentice vs. Julio M. Steinacher, R. A. Holden, Jr., vs. Butler Lamb, S. H. Voshell vs. O. C. A. Child, Edward H. Pfeiffer vs. Harry Parker, Walter Hazard v. Walter Merrill Hall, A. P. Marks, Jr., vs. Frederick C. Inman, Dimon E. Roberts vs. Preston T. Large, Jr., C. M. Amerman vs. Royal D. Richey, Arthur Scheffer vs. Edgar F. Leo, Edward A. Gunther vs. G. F. Putnam, J. M. Holcombe, Jr., vs. J. H. L. Todd, Jr., Robert M. Beckley vs. H. C. Todd, Howard A. Plummer vs. William D. Bourne, Wylie C. Grant vs. E. R. Johnson Benjamin M. Phillips vs. William C. De Mille, F. M. Watrous vs. Arthur S. Cragin, S. W. Merrihew vs. Carl R. Gardner, Harvey Y. Lake vs. A. L. Hoskins, King Smith vs. L. H. Fitch, Miles S. Charlock vs. N. E. Peterson, J. H. Kyte vs. H. B. Bretz, R. L. James vs. Morris S. Clark, James S. Cushman vs. Merrill D. Johnson, F. J. Johnson vs. Walter D. Chase, H. H. Knight vs. H. M. Livingston, George S. Groebeck vs. Valentine Treat, Dr. William Rosenbaum vs. W. L. O'Brien, O. Henry vs. Gustave F. Touchard, Walter Roberts vs. E. Bigelow, William B. Cragin, Jr., vs. Louis J. Grant, Dr. J. B. Kopf vs. W. J. Banks.

All of the matches will be the best two out of three sets with the exception of the championship final, which will be the best three out of five.

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