

BALDWIN'S EXPERIMENTS WITH HYDROPLANES OCT.  
16, 1908: By Gardiner H. Bell.

Beinn Bhreagh, Oct. 16, 1908:- In the experiments made to-day the Dhenmas Beag was stripped of the engine and towed without a man on board by the motor boat "Skidoo, being steered from attached the Skidoo by chords to the extremities of the outriggers. Total weight about 100 lbs. The Skidoo made an average speed of 600 m in 174 sec, or 7.6 miles per hour.

Exp. 1 (Morning) She lifted practically clear out of the water running on her planes. Two sets of hydroplanes fore, and one aft. Pull 25 lbs.

Exp. 2 (Afternoon) The boat was tried with the same outfit as in the morning but an extra set of hydroplanes of only two blades was used aft. Result about the same as in Exp. 1. Pull 20 to 30 lbs.

Exp. 3 Boat was then taken out of the water and the new set of hydroplanes were attached. (Photograph not shown in this Bulletin). The boat with new hydroplanes weighed 140 lbs. In this experiment the efficiency of the new hydroplanes was shown by the boat lifting high out of the water in the rear. The new hydroplanes buckled on the port side.

Exp. 4. Boat was again hauled out of water and two fish-shaped struts were used one on each side of boat, to strengthen the hydroplanes. Also the rear hydroplanes of two blades was taken off. Again she lifted out of the water in the rear. She also had a decided lurch to starboard. Pull 50 lbs.