

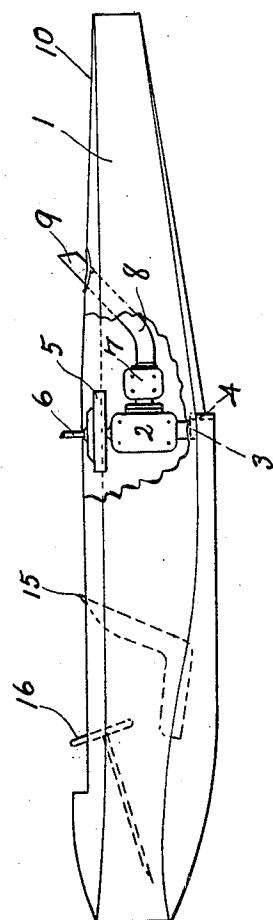
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H. T. BOOTH

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ENGINE EXHAUST

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Inventor:
Harry T. Booth,
by George Francis Myers,
his Attorney.

UNITED STATES PATENT OFFICE

HARRY T. BOOTH, OF FREEPORT, NEW YORK

ENGINE EXHAUST

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This invention relates to power driven machines, and has for its object to provide an improved mounting for the exhaust of the engine driving the machine.

5 Other objects and advantages of the present invention will be apparent from the following description, reference being had to the accompanying drawing wherein the preferred form of embodiment of the invention 10 is clearly shown.

The figure shows a side elevation of a car or fuselage with a part thereof broken away displaying the mounting of the engine and its exhaust.

15 The invention is constructed and operated substantially and preferably as follows:

1 is the car or fuselage or place for accommodating or mounting the engine 2 held by a bracket 3 on step board 4; 5 is the flywheel, 20 and 6 the driving shaft leading to the propulsive means of the craft. 7 is the muffler, 8 the exhaust pipe, and 9 the portion of the said pipe which projects above the deck 10 of the boat shaped fuselage 1 and which is 25 mounted substantially along the longitudinal center line of the same.

As shown the exhaust is brought to the rear of the seat 15 and steering wheel 16 so that 30 by no possibility can the exhaust gases trouble the operator.

As my invention is in some of its aspects generic, I do not limit myself to the particular construction shown and described, but 35 also contemplate the employment of such equivalents as fairly fall within the scope of the claims.

In this connection I may say that while 40 the car as shown is in the form of a flying boat for use on the water, the same or similar mounting of the exhaust can be used on a land flying machine or on a motor boat for water purposes; and while the engine shown is one having a vertical crank shaft and a 45 vertical driving shaft 6, any other well known engine or driving shaft may be used.

Therefore it should be understood that I 50 may make various changes in the form, proportion, size and detail of the several parts shown, as well as the number and position

of certain elements used, without departing from the spirit of the invention.

I claim:

1. A boat body for a flying machine, comprising a hydroplaning portion, an after portion, a step between the hydroplane and after portions, a step board, a bracket mounted directly above the step board, a motor mounted directly above the bracket, a flywheel mounted above the motor, a vertical 55 shaft mounted above the flywheel and projecting above the boat body, and an exhaust pipe running from the motor and also projecting above the boat body.

2. A boat body for a flying machine, comprising a hydroplaning portion, an after portion, a step between the hydroplane and after portions, a step board, a bracket mounted directly above the step board, a motor mounted directly above the bracket, a flywheel mounted above the motor, a vertical 60 shaft mounted above the flywheel and projecting above the boat body, and an exhaust pipe running from the motor and also projecting above the boat body and longitudinally in line with the vertical shaft.

HARRY T. BOOTH.

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