ACCESSION

THE SCREW PROPELLER.

To the Editor of Excinentia.

Str.,—Having read different treaties in Swedish and English papers this year concerning the serve propeller and its inventor, I here pleasure in forwarding to you the inclosed Swedish paper, in which you will find it shown that Mr. John Ericson cannot be cancilered as the first inventor of the servey, as he insisted upon in a letter to the Swedish Affordis Adventure of April. In this letter he maintains list the propulling servey of Mr. Owen was not lik for working last the propulling servey of Mr. Owen was not lik for working last the propulling servey of Mr. Owen was not lik for working last the propulling servey of the John J. I think the following exitate will be sufficients.

I have book referred to is to be had, I think, at Klomaning's Amiquental, Shockholm, but I think the following exitate will be sufficients.

A Swedish Observer.

Stockholm, June 29, 1872.

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From the Smedisk Paper "Degens Nyheter" (News of the Days) No. 2185, rebrunty 23, 1872.

The Aftenbladet, and several other newspapers, have not only disputed an article in the English periodical Engineers, the object of which is to prove that the serow propeller was invented by Samuel Oven, but gone so far as to declare to a cretainty that Captain John Ericsson is the inventor. In the interest of trath, and without consideration for either English or Swedish vanity on this subject, the following facts may be worth mentioning.

Already in the year 1793, a French mathematician, M. Taucton, is said to have proposed the Archimedean scars as motive power for ships. If, as the Archimedean scars as motive power for ships. If, as the Archimedean states, experiments were made with a screw propeller by John Storens, an American, in 1804-6, and a Swedish naval engineer at Carlskronn in 1810-11, and two other engineers, Deliale and Savego, in 1813 proposed two different constructions of serve propellers, it is o'ndent that no doubt can be entertained of the inferior power in question by means of thes power.

In a pamphlet entitled "Letters about Stoumboats,"

sectors the time that Samuel Owen, in Stockholm, tried and succeeded to put reases in motion by means of that power.

In a pamphlet entitled "Letters about Steamboaks," printed in 1816, there is an account given of these experiments. It is therefore easy to see that reasons have now been vanishing for the sesertion that Owen was the inventor. The writer of this pamphlet states:—"Owen innew the inconveniences of paddie-wheel at the sides of steamers;" these inconveniences are enumerated, and then the article continues: "Mr. Owen conceived quite a different emistration and placed under water at the stern. As an experiment, he affixed to the stern of an ordinary rowing bout a small wheel about 14 ft. in dimneter with four bledes placed in the same position as the earlier of a windmilt. This whood, placed outside the boat under water, turned on an iron shaft which passed through the stern and was worked by two men inside by means of a winch. The boat actually moved forward by means of the intent of the tweel, with a velocity of 180 fethions in 5 minutes, which speed come persons in vanit ried to obtain by ordinary rowing and same amount of exertion."

ction."

The result being so for satisfactory, it was decided to
be experiments on a larger scale and to employ steam

van truet so overate by control.

"The result being so far satisfactory, it was decided to make experiments on a larger coale and to employ steam power.

"For this purpose a snack was selected, which was altered last winter (1815) in the following manner:

"The steam post was made perpendicular, the keel lengthened about 4 ft. beyond the storn, and at the end of it another stern post was made provided with hooks for the raddor), to which the cides of the heat were extended. Thus an open space of about 3 ft. was obtained. The beat was made occept, and, as much as possible, adopted for the purpose, with a vivor to ascertain whether a wheel constructed as above, and affired to fine end of the beat, could give her the same speed as if she were provided with wheels at the sides in the English way. The steambeat thus constructed was ready this enterment; 1810, and measures in length above deels 31 ft. 9 in. at the water mark 31 ft. 3 in., is 113 ft. wide inside, and draws \$1 ft. of water when laden. The english, including fly-wheel and pulleys, occupies a space of 9 ft., and although the deel was visiced 23 ft. to admit the machinery and a small salcon for 12 to 14 passengers, the space was see small that an eatively new arrangement had to be made with the steam engine, which instead of being fixed, must oscillate as a suspended bell on its supports, which are omade and of the steam of the endity from the boiler of the cylinder, but also from the cylinder to either condance. The cylinder is of the dimensions required far an engine of \$1 horse power; the boiler was also, in consequence of the limited space, obliged to be of amaller dimensions than intended, both as regards with and depth. The water wheel is made of cart iron, nearly 5 ft. in diamater. It has four blacke made of birth and the boilar one of them is 43 square feet. They are placed so as to form an angle of 50 deg against the keel of the boat. One and of the shall is fixed in the old and the other in the new stera post. "Such is the description of this di

Schemen, to whom, therefore, the honour of inventing the servery peoplete can in an way be ascellated.

PRIVATE BILES IN PARLIAMENT.

The "triangular due" has occupied a large amount of the time and attention of the Committee since our interior, and is about the only matter for special comment at the time and attention of the Committee since our interior, and is about the only matter for special comment at the time and attention of the Committee since of the Collectorian that the position of the Collectorian for the Collectorian

speed was, according to the calculation of two naval officers present, four knots, or equal to more than two-thirds, or a serily three-quarters of a Swelish role in an hour.

"He even svery probable, to judge from these experiments, the will be reason of the measurement of 15 to 20 Swelish role (about 16 to 5 to 10 to 15 to 15 to 10 to 15 t