



A.D. 1853 N° 1281.

Vessels to be used chiefly under Water, and Apparatus for Propelling, Balancing, and Steering the same, &c.

(This Invention did not proceed to the Great Seal.)

PROVISIONAL SPECIFICATION left by William Bauer at the Office of the Commissioners of Patents, with his Petition, on the 25th May 1853.

I, WILLIAM BAUER, of Munich, in the Kingdom of Bavaria, Engineer, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN THE CONSTRUCTION OF VESSELS TO BE USED CHIEFLY AT VARIOUS DEPTHS UNDER THE SURFACE OF THE WATER, AND IN MACHINERY OR APPARATUS CONNECTED THEREWITH FOR PROPELLING, BALANCING, AND STEERING THE SAME, AND FOR CARRYING ON OPERATIONS OF VARIOUS KINDS ON OR UNDER THE SURFACE OF THE WATER, FROM WITHIN, UPON OBJECTS WITHOUT, SUCH VESSELS," to be as follows:—

It consists in so forming a vessel or boat, which I call an "hyponaut apparatus" of any suitable materials, that it will either float on the surface of water, or it may be made to descend under the surface of water, and when in either of these situations it may, by machinery within and outside the boat, be propelled and guided in any required direction. For the purpose of propulsion I make use of an apparatus generally known as a screw propeller (without, however, confining myself to that particular apparatus). The boat is steered or guided in