(12) **United States Patent**
Keller

(10) **Patent No.: X98**
(45) **Date of Patent: May 25, 1795**

(54) **IMPROVEMENT IN PROPELLING BOATS**

(76) Inventor: **Daniel Keller**

The United States of America.

To all to whom these Letters Patent shall come:

WHEREAS Daniel Keller a citizen of the State of Pennsylvania in the United States, hath alleged that he has invented a new and useful improvement

for propelling boats

which improvement has not been known or used before his application; has affirmed, that he does verily believe that he is the true inventor or discoverer of the said improvement; has paid into the Treasury of the United States, the sum of thirty dollars, delivered a receipt for the same, and presented a petition to the Secretary of State, signifying a desire of obtaining an exclusive property in the said improvement, and praying that a patent may be granted for that purpose: THESE ARE THEREFORE to grant, according to law, to the said Daniel Keller and his heirs, administrators or assigns, for the term of fourteen years, the full and exclusive right and liberty of making, constructing, using, and vending to others to be used the said improvement, a description whereof is given in the words of the said Daniel Keller himself, in the schedule hereto annexed, and is made a part of these presents.

IN TESTIMONY WHEREOF, *I have caused these Letters to be made Patent, and the Seal of the United States to be hereunto affixed.*

GIVEN *under my hand, at the City of Philadelphia this Twenty fifth day of May in the Year of our Lord, one thousand seven hundred and ninety Five and of the Independence of the United States of America the Nineteenth.*

G. Washington

By the President

Edm. Randolph

City of Philadelphia, TO WIT:

I DO HEREBY CERTIFY, That the foregoing Letters Patent, were delivered to me on the 25th day of May in the year of our Lord one thousand seven hundred and ninety five to be examined; that I have examined the same, and find them conformable to law. And I do hereby return the same to the Secretary of State, within three days from the date aforesaid, to wit: On this 25th day of May

The schedule referred to in these Letters patent and making part of the same, containing a description in the words of the said Daniel Keller himself of an improvement for propelling boats ——— Specification of machinery for propelling boats by the power of horses or oxen or by any other optional power — this machinery consists of a main or horizontal face or bevil geard wheel to the arms of which the power is applied; the cogs of the said wheel plays into and revolves two wallowers face or bevil gear wheels which are fixed on the ends of two shafts that rest on their gudgeons at a right or other angle in a line of the boat from the main or horizontal wheel — at the other ends of the said shafts are two other vertical face or bevel gear wheels the cogs of which play into and revolve two other wallowers face or bevel geard wheels at right angles, secured on two shafts crossing the boat at right angles and resting on their gudgeons on frames projecting from the boat — in the said shafts between their resting places on said frames and the boat passing through each are arms of an optional number, to every two of which is made fast an oar paddle or float; — the whole being four sets containing an optional number of oar paddles or floats to each set — in revolving each oar paddle or float dips in the water in a rotatory succession by the means of the power applied to the arms of the main or horizontal wheel and from that to the specified wheels and shafts constitutes the means for propelling boats. ——— Daniel Keller

Jos. Lehman
Alex. Drummond } witnesses