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# GOULD'S PATENT *SEA LOGS.*

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THE Public are respectfully informed, that GOULD'S Patent Perpetual SEA LOG being brought to a state of great perfection, is now offered for sale at No. 50, South Fourth Street. The machine is constructed entirely of brass, and weighs from three to four pounds, is portable, elegant and durable; and from many experiments, is found to carry distance with surprising accuracy. Its construction is such as will meet all circumstances at sea, which occasion errors in the common log, without injury or inconvenience, currents excepted, the effects of which are greatly diminished. As the machine is perpetual in its operation, it need only to be taken in for inspection at the commencement of every new course, which will save much trouble. It exhibits at one view, any distance from one tenth of a mile to one thousand miles.

## DIRECTIONS.

	Miles.
The distance shown on the first Dial Plate is in Sea Measure,	1
On the second	10
On the third	100
On the fourth	1000

The hands will all stand on their highest numbers when put in the water; then they will move as follows, viz. The hand No. 1, moves round its circle once every mile the vessel passes through the water, which brings No. 2

to the figure 1; No. 2, moving round, brings No. 3 to the figure 1; No. 3 moving round, brings No. 4 to the figure 1, &c. that is to say, No. 1 moves round once every mile, No. 2 every ten miles, No. 3 every one hundred miles, No. 4 every one thousand miles, &c.

*P. S.* If said Log should not be regulated precisely to the distance, the mariner is requested to see what it differs from the true distance, between two observations at sea; and as the motion will always be uniform, the distance may be ascertained to a certainty, at all times; that is to say, if the vessel has gone ten miles, and the Log say nine, miles, calculate in that proportion.

*NOTE.*—The Log is to be washed clean in *fresh* water and oiled, when out of service, to prevent it from corroding. If the Log should incline to come out of water, when the ship is going 10 or 12 miles per hour, the Mariner should take care to bend down the hinder part of the heart, and to make the line fast as low as the surface of the water; and then it will measure as abovementioned.

Among other certificates taken of the accuracy of the machine, the following are submitted to the Public.

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**T**HE Public are respectfully informed, that having made trial of Mr. Gould's Patent Sea Log on my last voyage from New-York to Greenock, and back to New-York, I find it to be accurate, as it will at all times give the true distance sailed, and, in my opinion, contribute much to the ease and accuracy of keeping the ship's reckoning.

T. TREDWELL.

*August 22.*

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**T**HE Public are respectfully informed, that having made trial of Mr. Gould's Patent Log on my last voyage to Europe, I find the principles on which the

machine is constructed, to be just, and can give it candidly, as my opinion, that it will be of great use in navigation.

ROBERT ROBINSON.

*Newport, Oct. 23, 1800.*

THE Public are respectfully informed, that having had Mr. Gould's Patent Log on my last voyage from Boston to Lisbon, I find that it gives the true distance of a ship's sailing under every circumstance that it may be subject to in crossing the Atlantic Ocean, and would recommend it to my brother seamen as such.

RUSSELL TREVETT, JUN'R.

*Marblehead, Nov. 1800.*

HAVING had Mr. Gould's Patent Log, on my last voyage from Boston to Greenock, find the principles on which the Log is constructed to be perfectly accurate, as it will, at all times and under every circumstance at sea, whether rough or smooth, move uniformly, and in my opinion contribute much to the ease and accuracy of keeping a ship's reckoning. I therefore recommend it to my brother mariners.

JOSEPH SAYER.

*Boston, November 22, 1800.*

WE do hereby certify, That we have made trial of Gould's Perpetual Patent Log—and after due trial at sea for eight days successively, do not hesitate to give it as our opinion, that the machine is perfectly capable of giving the true distance sailed; that it is less liable to accidents and error, than any thing heretofore

invented; the machinery is very simple and easy to be understood; and it will give any distance from one tenth to a thousand miles.

JOHN EARL, Junior.  
THOMAS LILLIBRIDGE.

HAVING had Mr. Gould's new invented Patent Perpetual Sea Log, on a passage from Philadelphia to Boston, we paid particular attention to its principles and operations, under various circumstances of swift and slow motion, and found it measured with mathematical accuracy, and think it must prove of great use to the public. Roughness of the sea, swift or slow motion, does not affect its regularity: we measured from Cape May to Block Island. which is, according to the maps of the traverse of the course, 192 miles, and found no variation. We carried two of the said machines in the same vessel, and as they measured exactly alike, it is an undeniable proof of the justness of the principle on which they are constructed.

HENRY WOOD,  
JOSEPH WEST,  
ROBINSON WEEKS.

THE Public are respectfully informed, that we have made trial of Gould's Patent Sea Log, on our late voyage from America to Europe, and by paying strict attention to the same, found the principles on which the machine is constructed to be just, and its measurement accurate; but ours being the first that ever went to sea, from the imperfection of its construction, the fly wheel failed on our outward bound passage; yet this cannot be considered as any objection to the machine. I have examined the said machine on its present construction, and

from some hints which the proprietors have received in consequence of the said voyage, amendments being made accordingly, can give it candidly as my opinion, that it is capable of meeting every circumstance at sea, (currents excepted) to give the true distance sailed, and contribute greatly to the ease and accuracy of keeping a ship's reckoning.

JOHN GALVEN,

Sailing Master of the Frigate United States.



*" Nantasket-Road, Sept. 17, 1800.*

" Major B. RUSSEL, Editor of the CENTINEL.

" Dear Sir,

" **T**HE accuracy of Mr. Gould's Patent Log, I wish to acquaint all my brother seamen with; I therefore certify, that the United States Frigate Boston, under my command, ran from the Race-Point of Cape-Cod to Boston Light-house in three hours. Mr. Gould's Patent Log we hove, as I supposed that this would be a favorable time to prove the accuracy of the machine.— It measured 14 leagues and one mile, and I have not the least doubt, that it is the only machine which will measure the distance with accuracy.

" Yours, &c.

GEORGE LITTLE.

" P. S. The mariner must take care to have a small lead on the line, one fathom from the log, when the ship is going from 12 to 14 knots; and to have double the stay line as in a moderate breeze; so as to keep the log under water.

G. L."

*New-York, July 28, 1800.*

**T**HE public are respectfully informed, that having made trial of Mr. Gould's Patent Sea Log, on a voyage from New-York to Greenock, and back again to New-York, find the same to be accurate—will at all times give the true distance sailed, (currents excepted,) and contributes greatly to the ease and economy of keeping a ship's reckoning.

HENRY TREADWELL.

*Philadelphia, Sept. 5, 1800.*

**I** AM happy that I have it in my power to inform the Public, that I have made use of Mr. Gould's Patent machine for keeping the exact distance of a ship's run. On a voyage bound up the Streights, compared it with known distances in the Chesapeak Bay, and found it precisely accurate, and not to vary under any circumstances at sea, (currents excepted.) Some mariners think it may be affected by the heave of the sea, swift and slow motion, &c. before they use them; but I must, from the most attentive experience, declare that they are not affected by any of those contingent circumstances; and that it is a great acquisition to the accuracy, the ease and economy of keeping a ship's reckoning, and that all masters of vessels will find a convenience in using them, more than adequate to the expence.

J. J. TOMSON.

*Boston, Sept. 11, 1800.*

MR. GOULD,—SIR,

**H**AVING made use of your Patent Sea Log, on a voyage from Boston to Liverpool, and back again to Boston, was highly gratified in realizing its great utili-

ty in navigation. And to say all in a few words, it is perfectly calculated to keep a ship's run with the greatest ease and accuracy. It appears to be very durable, and is not liable to any error or inconvenience, except what arises from currents.

I am Yours, &c.

JOHN WOOD.



I WOULD wish to inform my brother seamen that I have made use of Mr. Gould's Patent Sea Log from America to Algiers and back again to America, while in the service of the public; and my opinion of the machine is such that I never shall consent to be without one as long as I follow navigation: Its utility is unquestionable.

JOHN SMITH.

*Philad. Oct. 26, 1800.*



*Extract from a Charleston Paper.*

#### PATENT SEA LOG.

THE Public are respectfully informed, that having made trial of Mr. Gould's Patent Sea Log, on our passage from Newport to Charleston, and having at the same time a number of gentlemen passengers who are old experienced navigators, enabled us to pay strict attention to the machine, which we found to measure the distance sailed with surprising accuracy, insomuch, that it agreed with our observation three days successively; and for our further satisfaction, as to the accuracy of the machine, we hove it opposite to Bull's Island, and ran to Charleston Bar, which is a known distance of twenty-four miles, and it gave the distance to a nicety. We therefore can

candidly give it as our opinion, that it will contribute greatly to the ease and accuracy of keeping a ship's reckoning.

JOHN MARTIN, Master of the Ship Cicero.  
H. CARPENTER, Mate of do.  
THOMAS WHITE, }  
G. FULLER, } Passengers and  
Wm. CORY, } Masters of Vessels.  
E. W. WHEELER, }



THE Public are respectfully informed that I have made use of Mr. Gould's Patent Sea Log, and by running it from Cape Henry to Cape Henlopen, found it to agree exactly with the distance between the two Light Houses by observations. Being confident of the accuracy of the machine, I should never hesitate to run my vessel from one Light House within 5 miles of the other in the night, however dark it might be. I therefore consider it of the greatest utility in coasting as well as in long voyages.

JOHN HAND.

*Philad. January 6, 1801.*