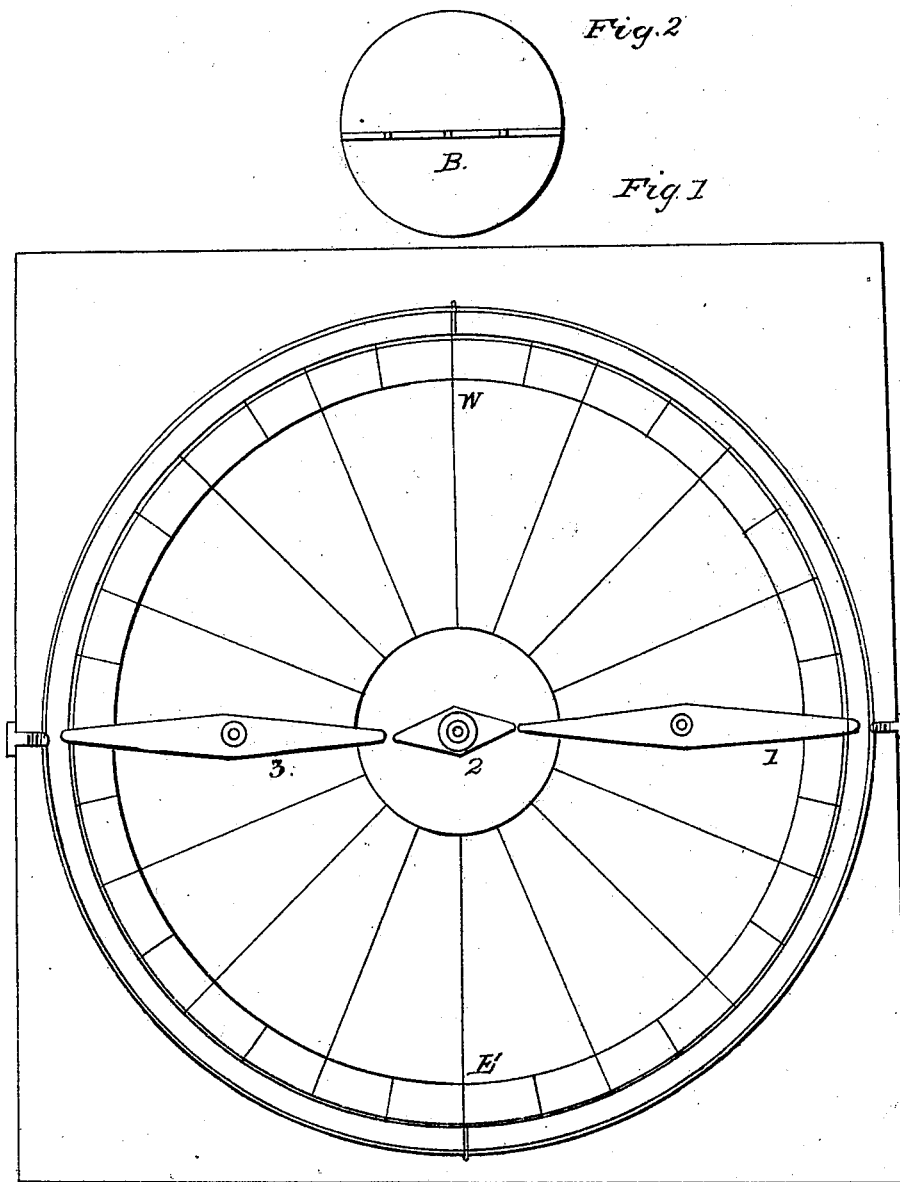


H. COLBY.

Compass.

No. 5,096.

Patented May 1, 1847.



UNITED STATES PATENT OFFICE.

HALL COLBY, OF ROCHESTER, NEW YORK.

MARINER'S COMPASS.

Specification of Letters Patent No. 5,096, dated May 1, 1847.

To all whom it may concern:

Be it known that I, HALL COLBY, of Rochester, county of Monroe, and State of New York, have invented a new and Improved
5 Mode of Preventing Mariner's Compasses from being Effected by Local and other Influences and Attractions; and I do hereby declare that the following is a full and exact description.

10 The nature of my invention consists in providing duplicate or triplicate needles arranged on a line on the face of the card of the compass.

15 To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

I support the card by a brass spindle or needle and brace the same by a plate of brass or other metal on the under side of
20 the cards and attach thereto the pivots upon

which the magnetic needles oscillate. I place two needles equally magnetized as numbered 1 and 3. The concentrating or center needle being equally magnetized I make fast to the cup as No. 2. By the polar
25 influence of the needles over each other local and other influences and attractions are nearly overcome.

What I claim as my invention and desire to secure by Letters Patent is— 30

The arrangement in line, of duplicate or triplicate magnetic needles upon the card of the mariner's compass by which local and other influences and attractions are overcome in the manner described.

HALL COLBY.

Witnesses:

T. C. DONN,
J. C. LEWIS.