

Cause; and in short of every Inland Sea, with which we are at all acquainted.

IN the next Place, there is nothing better known, with Regard to Tides, than that this undeniable Maxim in Philosophy takes Place in them, that the nearer the Cause, the stronger the Effect; that is to say, the Tides are higher and earlier in Places, at a small Distance from the Ocean, and lower and later in those at a greater Distance, as is very evident from the regular Progress of the Tides along the Coasts of *Great-Britain*: Thus at the Full and Change it is High Water at *Tinmouth-Bar*, at Three in the Morning; from thence rolling Southward, it makes High Water at *Spurn* a little after Five; but not till Six at *Hull*, because of the Time required for its Passage up the *Humber*. In *Yarmouth-Road*, it is High Water a little after Eight; at *Harwich*, at half an Hour after Ten; at the *Nore*, at Twelve; at *Gravesend*, at half an Hour past One; and at *London* at Three the same Day. In like manner, Tides rise higher or lower, at the same Time, upon different Parts of the Coast, in Proportion to their Distances from the Ocean. It is also observed, that strong Winds, blowing with the Tide, raise it higher than, according to the ordinary, Rules it ought to rise; and high Winds contrary to the Tide, retard or depress it. These plain and general Principles being laid down, we will now endeavour, by the Help of them, to discover what we ought to think of *Hudson's-Bay*, from the Observations that have been made of the Tides upon the several Parts of its Coasts.

IN the first Place, I must take leave to observe, that for anything yet known, if we exclude a Communication through a North West Passage with the South Sea, *Hudson's-Bay* may be as justly stiled an Inland Sea, as the *Mediterranean*; and with more Propriety than the *Baltick*; since it has no other Communication with the Ocean, than by *Hudson's-Straits*. I know very well, that it is commonly supposed, that *Hudson's-Bay* communicates with *Baffin's-Bay* and *Davis's-Straits*; and I am very sensible that in many if not in most Maps, it is laid down so; but upon what Authority this is asserted on one Side, or represented on the other, I must freely confess my Ignorance; tho' if it were so, my Arguments must still have their Weight; but 'till it is proved so, I think there is no Reason to admit it, and therefore I repeat it, that if there be no North-West Passage, *Hudson's-Bay* is, and ought to be considered as an Inland Sea.

YET I must observe, that I do not pretend to say, that because it is as much an Inland Sea as the *Mediterranean*, it ought,