

fourteen leagues in longitude<sup>49</sup>. By the other watch, which is that which had been opened at the island of Saint Pierre, the error would have been of 1 degree 45 minutes, that is, about twenty-seven leagues.

Now, the most experienced and skilful navigators make no scruple to own that in a run of two months, and sometimes less, they are apt to mistake by fifty or sixty leagues. How advantageous would it be then to the navy, to have a watch that, at the end of four months, would bring the longitude right, within fourteen leagues.

<sup>49</sup> In this determination, I suppose the longitude of Cadiz to be 8 deg. 21 min. but there is reason to think this city lies 12 minutes farther west than it has been placed hitherto. which lessens the error of the time keepers by just so many. They both agreed in placing Cadiz more westward than it stands in the maps.

Doublets