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apply proper bandages ; the consultation held for a long time, each persisting in his own opinion, till they discovered the tide had begun to undermine the batteries, when they both agreed to fix a large iron pin through the center, and turn them like vanes on a spindle as occasion requir'd.

I was another time at the citadel and observing to my companion, that it was overlook'd by the hill that is above it, was doubting what could induce the experienced engineer to place it in that situation ; my companion reply'd I was no adept in matters of fortification, the engineer has observed to me, says he, when I was in the same doubt that from long experience he had found that the surest aim of killing birds was when they were perch'd upon a tree, that a horizontal direction was not streight from the retundity of the earth and the refraction of the rays, that to look from an elevation into a plain below was still worse, because the air was grosser, for look down says he upon a streight stick put into water, and it will appear crooked ; this was reckoning like a philosopher : As I am not acquainted with the rules of philosophy and fortification, I submit these reasons to your Lordship's judgment.

Indeed the chief engineer is a wonderful man, for I have been informed upon credible authority that he directed all the lines and the

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