

#### XIV.

### ON THE ESTIMATION OF SKILL IN TARGET-SHOOTING.



HAPPENING to be present at an archery meeting at St Leonard's not long ago, I was struck, on examining the target, by observing a much less degree of concentration of "hits," as indicated by the marks left on them about the centre and within the "gold" (accompanied by a rapidly-increasing frequency of marks within the immediately-surrounding circles, proceeding thence outwards from the centre), than could be at all reconciled with my own preconceived impression of what ought to be the proportional numbers, according to what I then considered as results afforded by a legitimate application of the calculus of probabilities to such a question. The proportional numbers of hits in the several areas distinguished as gold, red, blue, white, black, marked out by equidistant rings of 4·8 inches each in breadth, surrounding the gold circle of that radius, ought, accord-