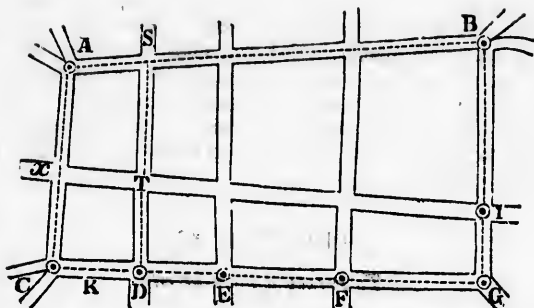




the third station D, take the direction of all the streets meeting there, and measure D S, noting the cross street at T. Proceed in like manner through all the principal streets, after which proceed to the smaller and intermediate streets; and last of all to the lanes, alleys, courts, yards, and every other place which it may be thought proper to represent in the plan.

PROBLEM XII.

To compute the content of any survey.

1. In small and separate pieces, the method generally employed is, to compute their contents from the measures of the lines taken in surveying them, without drawing any correct map of them: rules for this purpose have been given in the preceding part of the work. But in large pieces, and whole estates, consisting of a great number of fields, the usual method is, to make an unfinished but correct plan of the whole, and from this plan, the boundaries of which include the whole estate, compute the contents quite independent of the measures of the lines and angles that were taken in surveying. Divide the plan of the survey into triangles and trapeziums, by drawing new lines through it: