

# RATIONAL RECREATIONS,

In which the PRINCIPLES of

N U M B E R S

A N D

NATURAL PHILOSOPHY

Are clearly and copiously elucidated,

BY A SERIES OF

EASY, ENTERTAINING, INTERESTING  
EXPERIMENTS.

Among which are

All those commonly performed with the CARDS.

By W. H O O P E R, M. D.

V O L. IV.

L O N D O N,

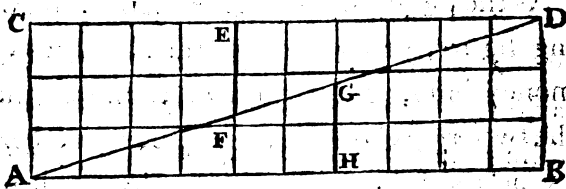
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MDCCLXXIV.

## RECREATION CVI.

*The geometric money.*

**D**R A W on pasteboard the following rectangle A B C D, whose side A C is three inches, and A B ten inches.



Divide the longest side into ten equal parts, and the shortest into three equal parts, and draw the perpendicular lines, as in the figure, which will divide it into thirty equal squares.

From A to D draw the diagonal A D, and cut the figure, by that line, into two equal triangles, and cut those triangles into two parts, in the direction of the lines E F and G H. You will then have two trian-

triangles, and two four-sided irregular figures, which you are to place together, in the manner they stood at first, and in each square you are to draw the figure of a piece of money; observing to make those in the squares at A and D something imperfect.

As the pieces stand together in the foregoing figure, you will count thirty pieces of money only, but if the two triangles and the two irregular figures be joined together, as in the following figures, there will be thirty-eight pieces.

