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RULES

FOR

CALCULATING THE SPEED OF DRUMS

OF PULLEYS.

PROBLEM I.

The diameter of the driven being given, to find its number of revolutions:

Rule—Multiply the diameter of the driver by its number of revolutions, and divide the product by the diameter of the driven; the quotient will be the number of revolutions of the driven.

PROBLEM II.

The diameter and revolutions of the driver being given, to find the diameter of the driven that shall make any given number of revolutions in the same time:

Rule—Multiply the diameter of the driver by its number of revolutions and divide the product by the number of revolutions of the driven; the quotient will be its diameter.

PROBLEM III.

To ascertain the size of the driver:

Rule—Multiply the diameter of the driven by the number of revolutions you wish it to make, and divide the product by the revolutions of the driver; the quotient will be the size of the driver.