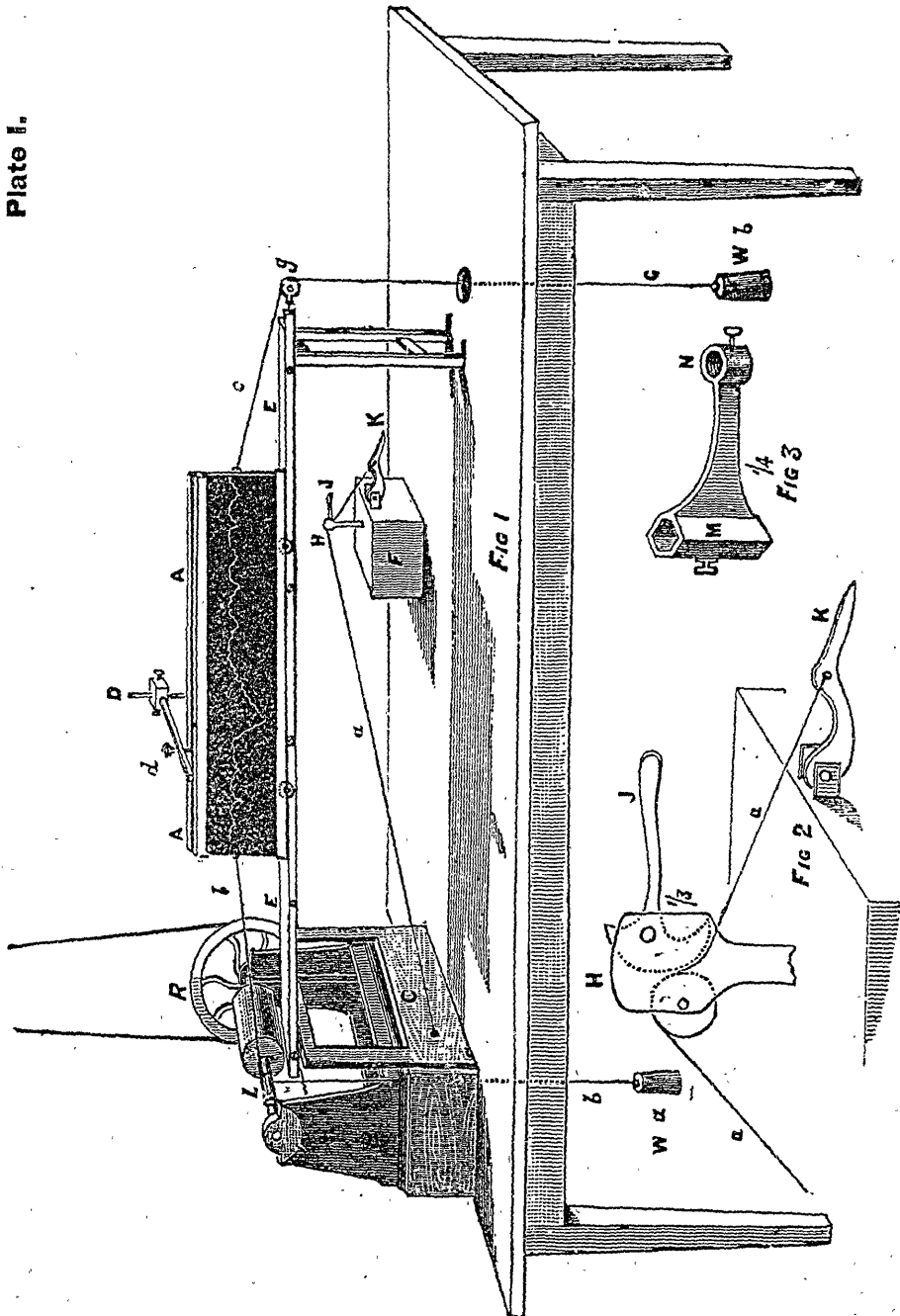


teen inches in diameter. I have several different sized speed-wheels adapted to the other end of the crank, one of which is exactly three inches in circumference, i. e., a fraction

inches. Therefore, the engine making sixty revolutions in a minute, the wheel R will make exactly six revolutions in the same space of time. Three and one-third inches (the circum-

Plate I.



Wilkins' Kymograph.

less than one inch in diameter. The wheel R of the iron stand B is thirty inches in circumference, and the smallest circumference of the cylinder L (Plate II.) is three and one-third

inches (the circumference of the small iron cylinder) multiplied by six, will be twenty inches, the distance which the recording surface will have been drawn in one minute, that is, one inch in three