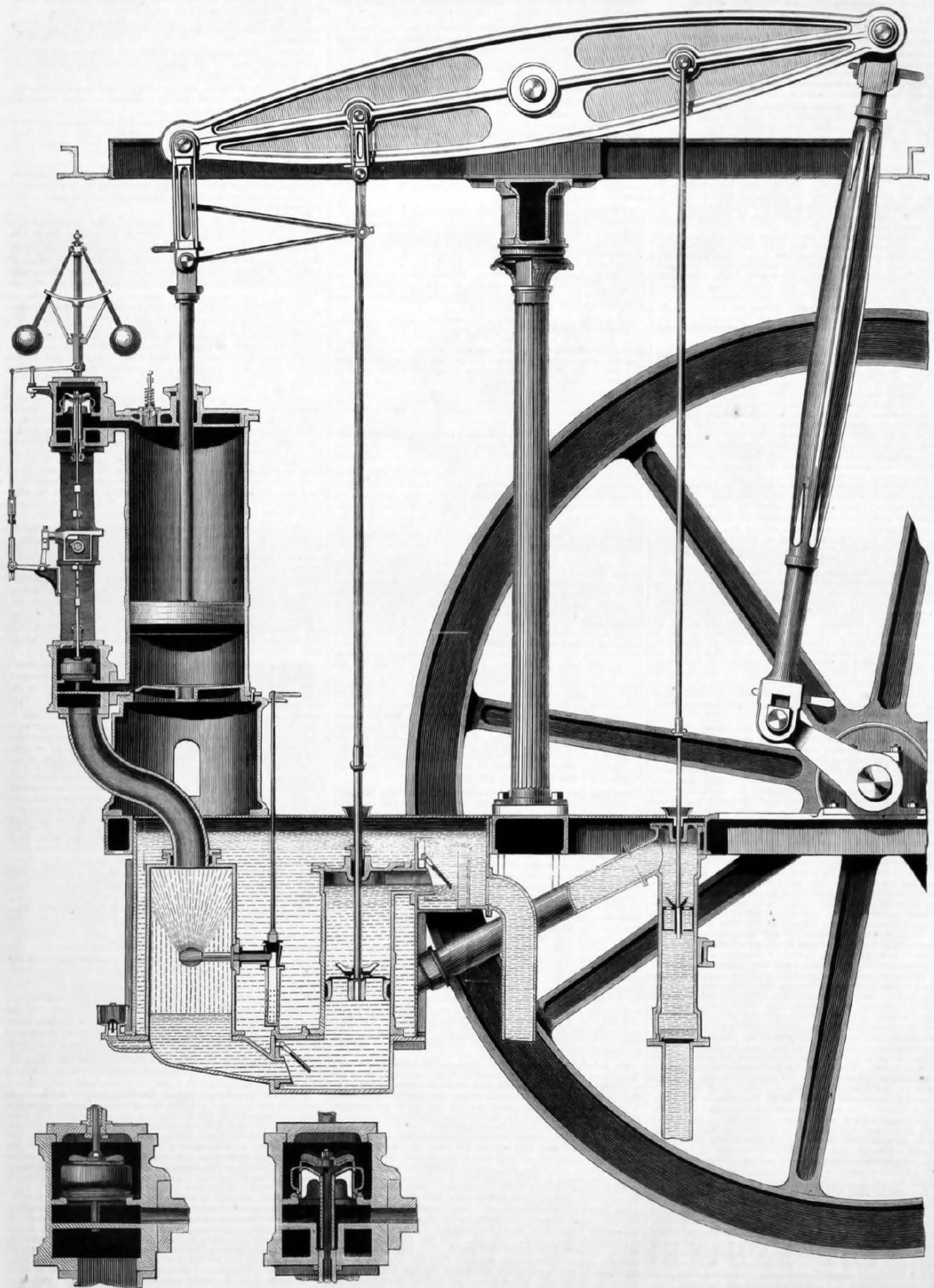


EXPANSIVE BEAM ENGINE.

MESSRS. JOHN ROWAN AND SONS, BELFAST, ENGINEERS.

(For description see page 435.)



ENLARGED SECTIONS OF UPPER & LOWER VALVE CHANGERS

J. ROWAN