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OF THE TECHNICAL NAMES
OF EACH PART BELONGING TO
T. POPE'S FLYING PENDENT LEVER BRIDGE,
ALPHABETICALLY ARRANGED.

[A.]  THE FULCRUM.

(Plate 1, fig. 1.) In a lever of the first order is the part called the Fulcrum, or prop, on which point also the Bridge would pivot, or turn; were the abutment of lesser weight in proportion to the projecting arm.

[B.]  THE WEIGHT

(Plate 1, fig. 1.) In a bar or beam, wholly-balanced on the fulcrum A, would be termed the weight: but, as the abutment of this Bridge is supposed to rest regularly on the land from A to B, so the whole length of the abutment is to be considered as composing the weight.

[C.]  THE POWER

(Plate 1, fig. 1.) Is the part, in a crow-bar, as a lever of the first kind, where the hand is applied, and would be called the power; but as the whole of the distance from the perpendicular of A to C is the part which makes up the arm of the Bridge, so in like manner, by its extra length, it becomes the power.