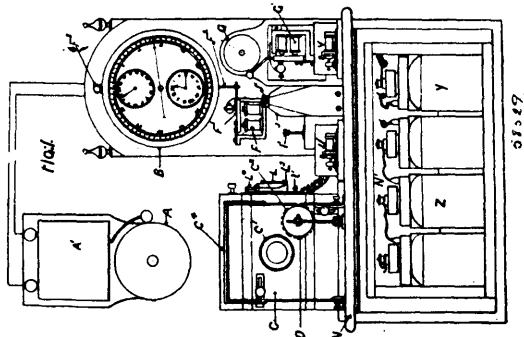


Claim.—The extensible bracket comprising the part of member B having a right angled perforated extension B², flanges at its edges, and a longitudinal slot having an enlargement at one end, a mating member F having a longitudinal slot and hook-shaped projection to enter and traverse the slot in the other member, and a right angled extension F², at its free end adapted to support a cross-piece, and provided with a slot and cross-piece H fitted to said right angled extension, and slidingly connected therewith by means of a screw extended through said slot, a sleeve J fitted to the end of the cross-piece, and an elbow-shaped roller bearer J² fitted in said sleeve, and provided with a slot J², and slidingly connected with the cross-piece H by means of a screw, all arranged and combined to operate in the manner set forth for the purposes stated.

No. 58,529. Electric Photographic Time and Position Recorder Specially Useful for Races.
(*Photographie électrique de registre horaire à l'usage des courses.*)



Joseph Gaut, Renwick street, Leichhardt, New South Wales, 27th December, 1897; 6 years. (Filed 25th January, 1897.)

Claim.—1st. An improved electric photographic time and position recorder, specially useful for races, in which synchronously a chrono-

graph is stopped and a photographic plate or film is exposed upon the breakage of a thread stretched across a course or arena, substantially as herein described and explained. 2nd. An improved electric photographic time and position recorder, specially useful for races, in which a chronograph is operated and bells rung synchronously upon the starting of a race and upon the completion of said race, said chronograph is again operated synchronously with the exposure of a photograph plate or film, substantially as herein described and explained. 3rd. An improved electric photographic time and position recorder, specially useful for races, in which a photographic plate or film is exposed under two lenses, one casting upon said plate an image of a reflection of a chronograph, substantially as herein described and as illustrated in the drawings. 4th. In a recorder of the class set forth the combination and arrangement with a chronograph such as B, a camera such as C containing within it a subsidiary camera and having two lenses such as C¹ and C², of an adjustable reflector or mirror such as D in front of one said lens adapted to throw the image of a reflection of said chronograph on to a plate or film exposed in said camera, substantially as herein described and explained and as illustrated in the drawings. 5th. In a recorder of the class set forth the combination and arrangement with a camera such as C having a focal plane shutter operated by a pawl or lever such as L⁶, of an electro-magnet such as L with armature such as L³ and lever such as L⁴, with a bend or return such as L⁵, substantially as herein described and explained and as illustrated in the drawings. 6th. In a recorder of the class set forth, the combination and arrangement with electrical conductors of support such as J adapted to be held upright by a thread in tension and having a chopper terminal such as J³ and a gutter terminal such as K³ adapted to receive terminal such as J⁵ on the break of said tensioned thread and the falling of said support such as J, substantially as herein described and explained and as illustrated in the drawings. 7th. In a recorder of the class set forth, the combination and arrangement with a support such as J adapted to be held upright by a thread in tension, and a hinged piece such as J⁴ adapted to be supported by said support J and upon falling of said support J to contract the bulb of a pneumatic tube in connection with the instantaneous shutter of a camera substantially as herein described and explained and as illustrated in the drawings. 8th. The combination and arrangement of mechanical and electrical parts all together forming an improved electric photographic time and position recorder specially useful for races, substantially as herein described and explained and as illustrated in the drawings.