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Note.—Throughout this Gazette the names in Italics within parentheses are those of Communicators of Inventions.

Complete Specifications.

Patent Office, Perth,
3rd April, 1903.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been accepted, and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this Gazette. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 3912.—GEORGE DARRELL, Author, of the Union Club Hotel, Collins Street, Melbourne, in the State of Victoria, Australia, "*Improved method of and means for Advertising.*"—Dated 27th June, 1902.

Claims:—

1. Method of displaying advertisements consisting in arranging the advertisements on rollers, bands or blocks set in vertical, horizontal or oblique directions or any combination of these causing the rollers, bands or blocks to rotate spasmodically at intervals and in different directions substantially as and for the purposes described.

2. Apparatus for displaying advertisements consisting of endless advertisement bands on rollers set in a frame in vertical horizontal or oblique directions or any combination of these means for causing the bands to move spasmodically at intervals and in directions varying one from another substantially as and for the purposes described.

3. Apparatus for displaying advertisements consisting of rollers, bands, blocks, or the like set in a frame on spindles in vertical horizontal or oblique directions—or any combination of these—means for causing the rollers, bands or blocks to turn or move some continuously some spasmodically in directions varying one from another so as to bring to view a different set of advertisements and pictures at each move and means for illuminating the advertisements substantially as and for the purposes described.

4. The apparatus herein described and substantially as illustrated for displaying advertisement.

Specification, 10s. 6d. Drawings on application.

Application No. 3927.—CHARLES ALISTER TROTTER, of Opunake, District of Taranaki, New Zealand, Engineer, "*Improved appliances for ascertaining distances and calculating altitudes, the same being specially applicable in range finding for Rifles.*"—Dated 4th July, 1902.

Claims:—

1. In means for ascertaining distances, a lever arm pivoted upon a spindle that is mounted in bearings at the back end of a horizontal base plate and that is formed with an aperture in the outer extremity thereof, in combination with a cam arm, pivoted in bearings upon the base plate with its free end overlying the free end of the lever arm so that, when such lever arm is raised on its pivot, the cam arm will be raised a corresponding radial distance on its pivot, such cam arm being formed, on its outer extremity, with a notch in the same line as the aperture in the lever arm, and means whereby the arms may be raised and locked in any position, as herein specified.

2. A lever arm loosely pivoted upon a spindle, mounted in bearings upon the back end of a horizontal base plate, that is provided with means whereby the lever may be locked thereto, in combination with a spindle loosely mounted in bearings upon the other end of the base plate and provided with a pendant weighted arm, a rigid rod connecting the weighted arm with a pendant arm upon the back spindle, and

means whereby the weighted arm may be turned with its spindle and locked in any position, as herein specified.

3. A spindle mounted in bearings upon the front end of a horizontal base plate and provided with a pendant weighted arm secured thereto, a sighting lever arm loosely pivoted thereon, and means whereby the arm may be locked to the spindle, in combination with an arced plate that is hinged to the base plate and is provided with a central slot in which the outer extremity of the sighting lever will travel, when the plate is raised, and with means whereby the sighting lever and weighted arm may be held in any position, as herein specified.

4. A lever arm loosely pivoted upon a spindle mounted in bearings upon the back end of a horizontal base plate, means whereby such arm may be locked to the spindle, a cam arm hinged to the base plate with its free end overlying the free end of the lever arm so as to be raised when such lever arm is turned by its spindle, in combination with a sighting lever loosely pivoted upon a spindle mounted in bearings upon the fore end of the base plate, means for locking the sighting lever to its spindle, a weighted pendant arm attached to the spindle, a rigid rod connecting the weighted arm to a pendant arm on the back spindle, and means whereby the fore spindle may be turned, and locked in any position, as specified.

5. A spindle mounted in bearings upon the fore end of a horizontal base plate and provided with a weighted pendant arm secured to the end thereof, and a plate engaging with the surface of such pendant arm and kept in contact therewith by means of a spring surrounding a pin secured at one end to the plate and provided with a thumb piece upon the other end, as set forth.

6. A spindle mounted in bearings upon the fore end of a horizontal base plate and provided with a weighted pendant arm secured to the end thereof, a sighting lever arm loosely pivoted upon the spindle, means whereby it may be locked thereto, radial guides for the sighting lever fixed to the base plate, and a vertical bar fitting within the inside surface of one of the guides and engaging with the side of the lever, such vertical bar being connected to a spring-controlled pin whereby it will be kept in contact with the lever and may be freed therefrom, as specified.

7. A hollow spindle mounted in bearings upon the back end of a horizontal base plate, with a lever arm loosely pivoted thereon, and a hollow spindle mounted in bearings upon the fore end of the base plate, with a sighting lever loosely pivoted thereon, a flat bar secured within the hollow of each of such spindles, a spring bearing upon the underside of the bar, a finger cam hinged in bearings at the end of the spindle and bearing upon the end of the bar so as to depress or allow it to rise, and a knife edged plate secured to the top of the bar and projecting through a slot in the spindle so that it shall engage with and free the inside surface of the bearing of the lever upon the spindle when the cam finger is depressed and raised, as set forth.

8. In means for ascertaining distances and calculating altitude, a spindle mounted in bearings upon the fore end of a horizontal base plate, a sighting lever loosely pivoted upon such spindle and adapted to be locked thereto, an arced slot in which the end of such lever travels, a weighted pendant arm attached to the spindle, means for locking such arm in any position, and an indicator pointer attached to the spindle and moving over a graduated scale as the spindle is revolved through the inclination of the base plate, as herein specified.

9. The general arrangement, construction and combination of parts in my improved appliances for ascertaining distances and calculating altitudes, the same being specially applicable in range finding for rifles, as herein described and explained, as illustrated in the accompanying drawings, and for the several purposes set forth.

Specification, 9s. Drawings on application.

Application No. 3929.—ELIAS DIMANT, of Watson's Chambers, Flinders Lane, Melbourne, in the State of Victoria, and Commonwealth of Australia, Warehouseman, "*Improved divided tread or Sole for Boots and Shoes.*"—Dated 8th July, 1902.

Claims:—

1. An improved divided tread or sole for boots and shoes made up of two layers, the inner having an approximately longitudinal and slantingly cut slit therein with over-lapping edges, and the outer having a number of longitudinal cuts therethrough substantially as set forth and illustrated.



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