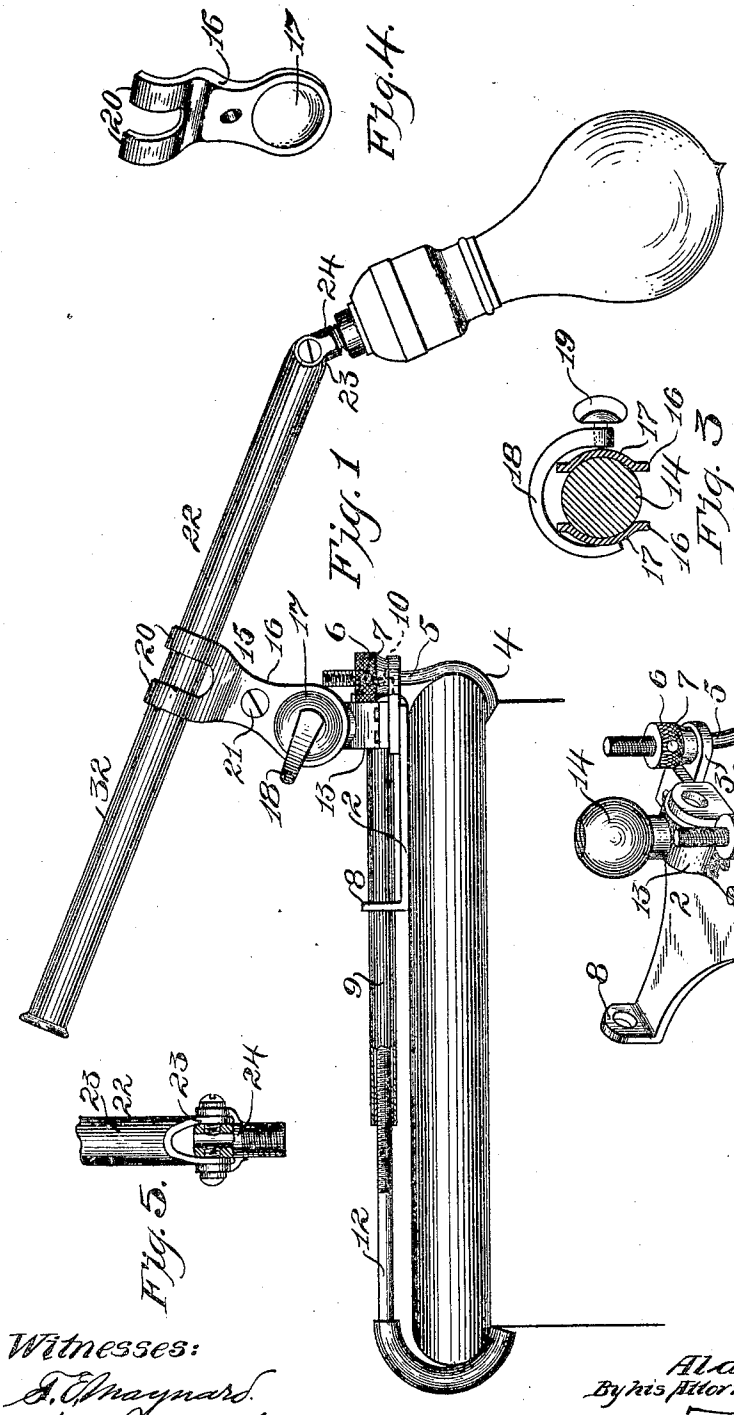
No. 808,602. PATENTED DEC. 26, 1905.

A. R. FERGUSSON.

DESK BRACKET.

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UNITED STATES PATENT OFFICE.

ALAN ROBB FERGUSSON, OF NEW YORK, N. Y., ASSIGNOR TO THE WARREN BALL BEARING FIXTURE COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

DESK-BRACKET.

No. 808,602. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed March 3, 1903. Renewed November 15, 1905. Serial No. 287,480.

To all whom it may concern:

Be it known that I, ALAN ROBB FERGUSSON, a citizen of the United States, residing in New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Desk-Brackets, of which the following is a specification.

This invention relates to brackets, more particularly to that class thereof which may be designated as "desk-brackets," the object of the invention being to provide an improved device which can be readily attached to a roll-top desk or similar article of manufacture, which is simple in construction and operation, inexpensive to manufacture, and in the use of which the lamp can be adjusted in any direction and is capable of use in any desired position, and which bracket, while adapted for various purposes, is especially designed to support an incandescent lamp.

In the drawings accompanying and forming part of this specification, Figure 1 is a side elevation of this improved bracket shown attached to the top of a roll-top desk, part of the desk-clamp being shown in section. Fig. 2 is a perspective view of one part of such desk-clamp. Fig. 3 is a cross-sectional view of the universal joint between the lamp-carrier and the desk-clamp. Fig. 4 is a perspective view of one part of the lamp-carrier clamp. Fig. 5 is a view, partly in section, of that end of the lamp-carrier to which the incandescent-bulb holder is attached; and Fig. 6 is a detail view of the coupling for attaching the bulb-holder.

Similar characters of reference indicate corresponding parts in the different figures of the drawings.

The present improvement comprises in a general way clamping means for attaching the device to a desk, a lamp-carrier for an incandescent lamp, or other device which may be used and clamping means connecting said carrier and desk-clamping means, the organization being such that the lamp can be adjusted to any desired position.

The desk-clamping means comprises in the preferred form shown a supporting-plate adapted to engage the top surface of the desk, and which plate carries a pair of forwardly-extending ears or projections 3 for the reception of one part of the clamping means shown and in the present instance comprising a pair of independently-adjustable devices, each in the form of a claw or hook 4. The shank 5 of each is threaded and carries an adjusting-nut 6, having a knurled head for its adjustment and also provided with openings 7 for the use of a spanner. By means of these nuts the plate 2 and claws 4 can be positively adjusted toward each other to rigidly clamp the projecting edge of the desk. If for any reason it should be desirable, each of these claws may carry some suitable means, such as a rubber tube, to prevent the marring of the desk. The supporting-plates are shown preferably provided with a pair of upwardly-extending ears 8, having alined openings for the reception of a rod 9, having a screw-head 10. This rod 9 is interiorly threaded for the reception of the threaded end of a coacting clamping member or claw 12, adapted to coact with the claws 4 to maintain the clamp upon the desk. This claw 12 may carry suitable means for preventing the marring of the desk—for instance, a rubber tube. By turning the rod 9 the claws of the two members will be drawn toward each other to firmly engage the desk transversely thereof. By this organization of clamping means it will be seen that I am not only able to adjust the bracket to varying thicknesses of desk-tops, but I can clamp the bracket to the desk, so that movement or slippage thereof during the adjustment of the lamp to any desired position is prevented, since it will be seen that by this clamping means not only is the bracket clamped to the desk between the two opposing claws 4 and 12, but it is firmly clamped to the desk transversely of such first clamping means between the claws 4 and the plate 2. As the lamp when adjusted must retain its position, it will be obvious that the various parts which afford the adjustment of such lamp must have considerable frictional resistance, and consequently require considerable comparative force to move the lamp from one position to another. The exertion of this force sometimes causes the bracket to slip upon the desk to the injury thereof, as well as interfering with the proper adjustment of the lamp; but by the present clamping means this is obviated.

Carried by the plate 2 is a standard 13, beneath which in the present instance the clamping-rod 9 passes, and which standard

carries one member 14 of a universal joint, which in the present instance is shown as sphere-shaped, the other member of this joint comprising a clamping-bracket 15, preferably comprising a pair of members 16, having concave sides 17, forming a socket for such sphere and maintained in position relative thereto by any suitable means. In the present instance a yoke 18, having a thumb-screw 19, is provided for this purpose. By means of this thumb-screw the frictional engagement of the members constituting the universal joint may be regulated.

The bracket-clamping members are provided with a set of spring clamping-arms 20 (shown in the present instance as four in number, two carried by each member) for the reception of the lamp-carrier 22, the frictional engagement of the spring-arms being insured in the present instance by a suitable screw 21 passing through such members.

The lamp-carrier comprises a tube 32, having a flange at one end to prevent it being pulled entirely through the bracket and bifurcated at its forward end to provide a pair of ears 23, to which a threaded tubular coupling member 24 is pivoted, the threaded end of which is adapted to engage the threads of the lamp-holder or other suitable device which it may be desired to couple thereto. This lamp-carrier member is shown as comprising a single member adjustable longitudinally and rotarily relatively to the clamping-bracket 15 and through which the incandescent-light cord or wires pass to the filament of the bulb.

From the foregoing it will be seen that the bulb and its holder may be swung up or down relatively to the lamp-carrier, that together with such lamp-carrier it may be rotated so that the shade may be adjusted as desired or the carrier shifted longitudinally of its bracket or the lamp may be moved downwardly to bring the light directly above the table of the desk or swung upward into a vertical position, so that such lamp may extend directly above the top of the desk or while in either of such positions or intermediate thereof swung into a horizontal plane.

The term "lamp" as used herein and in the claims, it is to be understood, is intended to include any suitable device which may be used with such bracket.

Having thus described my invention, I claim—

1. A desk-bracket, comprising clamping means comprehending a pair of longitudinally-adjustable members, one of said members having a plate embodying a clamping-face and a pair of vertically-adjustable clamping-faces coöperative therewith, each having a threaded shank and a nut located thereon adapted to adjust such face toward and from said plate.

2. A desk-bracket, comprising clamping means comprehending a pair of longitudinally-adjustable members, one of said members having a pair of vertically-adjustable clamping-faces, each having a threaded shank and a nut located thereon adapted to adjust such face, and a plate carrying one of said longitudinally-adjustable members and coöperating with said faces to clamp the bracket in position transversely of said first clamping means.

3. The herein-described desk-clamp, comprising a pair of longitudinally-adjustable members, each carrying one or more clamping-faces, each clamping-face of one of said members having a threaded shank, a nut thereon for adjusting the face in a vertical plane, a plate carrying one of said longitudinally-adjustable members and coacting with said vertically-adjustable clamping face or faces, a standard carried by said plate, a bracket having a universal-joint connection with said standard, and provided with spring-arms, a single tubular lamp-carrier adjustable relatively to said spring-arms, and a swinging device attached to said tubular carrier for coupling the lamp thereto.

4. The combination with a lamp-bracket of a support or standard therefor, a clamping plate or member attached to the support, a second clamping member having a screw-threaded portion, the latter member being arranged to coöperate with the first clamping member to grip the front edge of the desk-top, means to engage such threaded portion of the second clamping member and arranged to adjust the clamping members, and a third clamping member connected with said support and adjustable relative thereto to coöperate with said second clamping member and thereby grip the opposite edges of the desk-top and secure the support and bracket thereto.

Signed at Nos. 9 to 15 Murray street, New York, N. Y., this 2d day of March, 1903.

ALAN ROBB FERGUSSON.

Witnesses:
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