

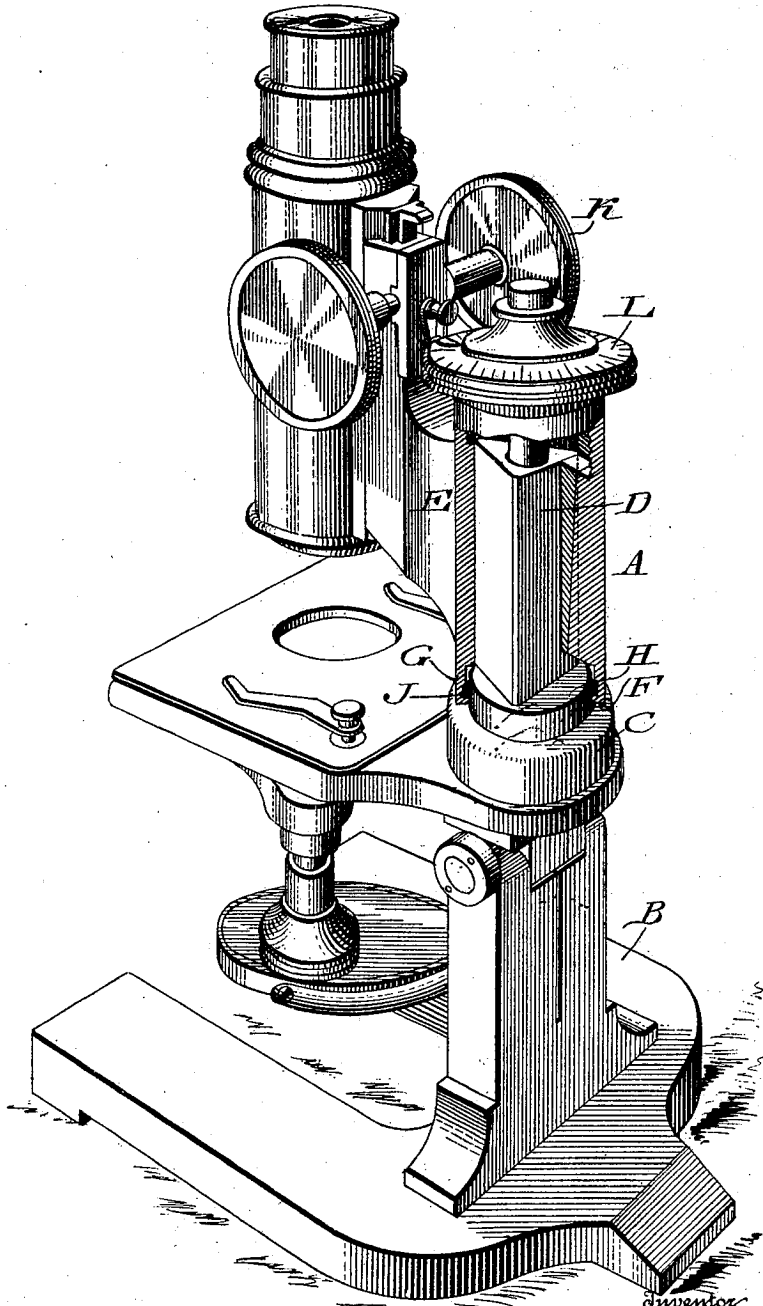
No. 660,372.

Patented Oct. 23, 1900.

R. L. FUERLE.
MICROSCOPE.

(Application filed May 5, 1900.)

(No Model.)



Witnesses
P. F. Haglo.
L. Bouville.

Inventor
Rudolph L. Fuerle,
Reichenheim & Laubank.
Attorneys

UNITED STATES PATENT OFFICE.

RUDOLPH L. FUERLE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
THE QUEEN & COMPANY, OF PENNSYLVANIA.

MICROSCOPE.

SPECIFICATION forming part of Letters Patent No. 660,372, dated October 23, 1900.

Application filed May 5, 1900. Serial No. 15,561. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH L. FUERLE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Microscopes, which improvement is fully set forth in the following specification and accompanying drawing.

My invention relates to microscopes; and it consists especially in providing the same with a guard or protector of novel construction, whereby dirt and dust are prevented from reaching the adjustable sleeve, the prism or standard upon which said sleeve is mounted, and the mechanism or parts above the same.

The figure represents a perspective view, partially in section, of a microscope having a dust or dirt guard or protector embodying my invention.

Similar letters of reference indicate corresponding parts in the figure.

Referring to the drawing, A designates a microscope, the same consisting of a base B, upon which is suitably supported the bed C, above which is the prism D, on which is mounted the sleeve E, the inner face of the lower end portion G of the latter having a counterbore H, which freely encircles the neck F of said bed C, the wall of said counterbore having a horizontally-arranged recess in which is seated the gasket J, which is formed of any suitable resilient or fibrous material freely encircling said neck F and forming a guard or closure, whereby dust, &c., are prevented from passing through the bottom of the sleeve to the parts and delicate mechanism above the same.

K and L designate the usual means for ef-

fecting the adjustment of the instrument by the movement of said sleeve, but as such means *per se* form no part of the present invention a detailed description thereof is deemed unnecessary.

As is well known to those skilled in this art, it is exceedingly essential in making the desired adjustments in instruments of this character that the contiguous surfaces and the internal adjusting mechanism be kept absolutely free from the injurious effects of dust or dirt, and it will be seen that by my improvement all liability of the same reaching the relative parts of the instrument is prevented.

It will be apparent that changes may be made by those skilled in this art which will come within the scope of my invention; and I do not therefore desire to be limited in every instance to the exact construction I have herein shown and described.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A microscope having a sleeve provided with a counterbore, a bed, a neck arising therefrom, said counterbore freely encircling said neck and a closure interposed between said neck and counterbore.

2. In a microscope, a bed, a neck rising therefrom, a prism above said neck, a sleeve movable upon said prism, the lower portion of said sleeve having an internal counterbore freely encircling said neck, and a guard intermediate of said neck and counterbore.

RUDOLPH L. FUERLE.

Witnesses:

WM. CANER WIEDERSHEIM,
HERMAN BURGER.