

1,359,870.

E. S. BUCKLAND.
EYE INSTRUMENT.
APPLICATION FILED SEPT. 20, 1919.

Patented Nov. 23, 1920.

Fig. 1.

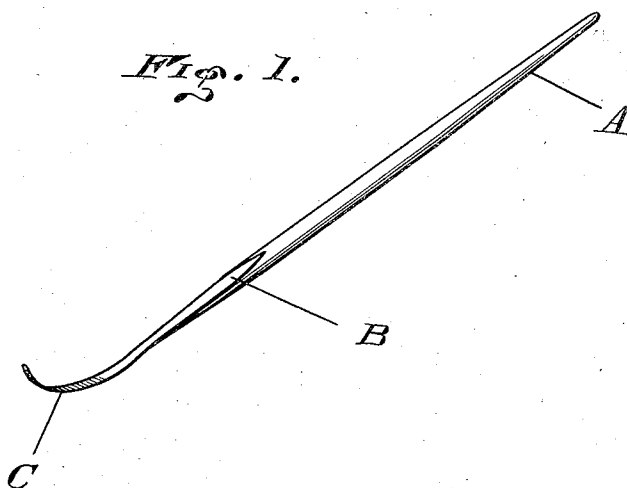


Fig. 2.

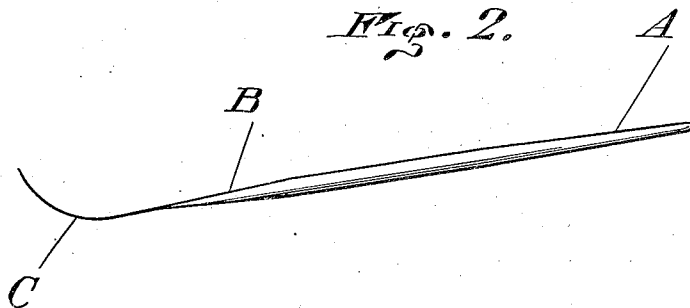
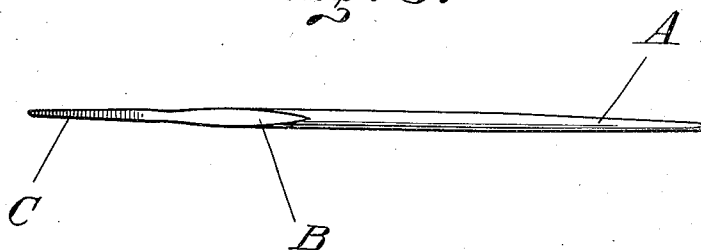


Fig. 3.



WITNESS:

Thos. W. Tilly

Edward S. Buckland

INVENTOR.

BY

Alexander Small
ATTORNEYS

UNITED STATES PATENT OFFICE.

EDWARD S. BUCKLAND, OF ENDICOTT, NEW YORK.

EYE INSTRUMENT.

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Specification of Letters Patent. Patented Nov. 23, 1920.

Application filed September 20, 1919. Serial No. 325,102.

To all whom it may concern:

Be it known that I, EDWARD S. BUCKLAND, a citizen of the United States, residing at Endicott, in the county of Broome and State of New York, have invented certain new and useful Improvements in Eye Instruments; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is a novel instrument for removing small particles of iron or steel and the like from human eyes in cases where such particles accidentally enter or become embedded in the eyes.

The instrument consists of a small steel rod, one end of which has a round blunt point and is highly and permanently magnetized so that it will hold its magnetism for a long time if not drawn out by too long contact with other metals; the other extremity of the instrument is softened and flattened and made very thin and narrow so that by drawing it through the fingers it may be bent or curved on any arc desired or straightened. The thin end is usually slightly bent and the edge of the thin curved portion is used for lightly scraping the eyelid or eyeball so as to loosen any particle of iron or steel adhering thereto or slightly embedded therein. After such particle is loosened the magnetized end of the instrument is applied to the particle which will cling to such magnetized end and can then be readily withdrawn thereby from the eye.

The accompanying drawings illustrate a practical instrument embodying the invention: Figure 1 is a perspective view of such instrument; Fig. 2 is a side view thereof; and Fig. 3 is a top plan view thereof.

The instrument, as shown, is formed of a short rod of steel having a main or handle

portion B; and one end A thereof is bluntly pointed and smoothly finished, and is permanently magnetized, by any well known means so that it is a strong magnet. The other extremity of the rod is flattened and thinned as shown at C; and this thin portion C can be bent to any desired curve by drawing it through the fingers, or can be straightened out as desired.

The thin end C of the instrument is used for lightly scraping the eyelid or eyeball, to loosen any particle of metal which may enter the eye, and then the loosened particle is touched by the magnetized end of the instrument and the particle adheres thereto and can be readily withdrawn thereby.

The instrument is very simple, but has decided advantages over instruments heretofore used that have to be provided with electromagnets to magnetize the same. My instrument is permanently magnetized and provides all the advantages of a delicate scraper or detaching device as well as of a magnet. The utility of the instrument will be readily appreciated by physicians and surgeons.

Having described my invention what I claim is:

1. An instrument for the purpose described having a handle portion and a thin flattened pliable scraper blade at one end of the handle adapted to be bent into the form desired by the user.

2. An instrument for the purpose described having a handle portion and a thin flattened pliable scraper blade at one end of the handle adapted to be either bent on any desired curve or straightened by the fingers and to retain the form imparted thereto by the fingers.

In testimony that I claim the foregoing as my own, I affix my signature.

EDWARD S. BUCKLAND.