

April 25, 1933.

D. L. FELTHAM

1,905,633

DENTAL MIRROR

Filed March 14, 1931

Fig. 1.

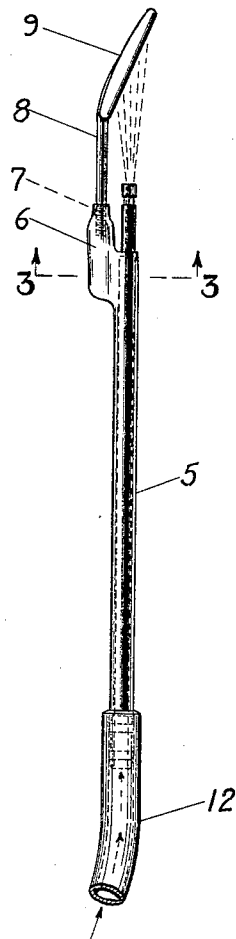


Fig. 2.

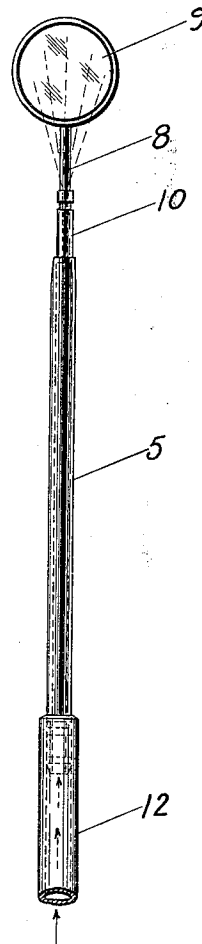
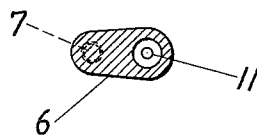


Fig. 3.



Inventor

Douglas L. Feltham

By

Owen & Owen

Attorneys

UNITED STATES PATENT OFFICE

DOUGLAS L. FELTHAM, OF TOLEDO, OHIO

DENTAL MIRROR

Application filed March 14, 1931. Serial No. 522,563.

This invention relates to an improved dental mirror which has been devised with the object of preventing the condensation of moisture on its reflecting surface while it is being used.

Various devices have heretofore been proposed for keeping dental mirrors clear while in use, but such devices have always proved to be ineffective or inconvenient, or their use has been objectionable for other reasons. In accordance with the present invention, however, the reflecting surface and the back in which it is mounted are the same as in the ordinary dental mirror, but the handle, by which the mirror is supported, has a longitudinal passageway therethrough which may be connected with a source of compressed air so that a stream of air may be blown against the reflecting surface, thus carrying away the moisture which would otherwise collect thereon.

The character of the invention will be more fully explained in connection with the accompanying drawing, in which—

Figure 1 is a side elevation of the invention;

Figure 2 is a front elevation thereof; and

Figure 3 is an enlarged cross section taken on the line 3—3 of Figure 1.

In accordance with my invention, the handle 5 is tubular and is formed at its inner end with an offset arm 6 which has a threaded socket 7 for receiving the shank 8 of a dental mirror 9. The tubular handle 5 also has a nozzle 10 integrally or otherwise connected to its inner end in alignment with the passageway through the handle. This nozzle has a discharge orifice 11 which is preferably of smaller diameter than the passageway through the handle. The mirror 9 when mounted in the socket 7, is so disposed that its reflecting surface is in the path of a stream of air discharged from the nozzle 10. The outer end of the handle 5 is adapted to be connected to a hose 12 leading from a suitable source of compressed air. Provision may also be made for injecting a few drops of water into the air stream, in order to wash the mirror, if it becomes spattered with blood.

In practice, a number of interchangeable

mirrors will be provided so that after treating one patient, a clean sterilized mirror may be used with the same handle for the next patient. While the mirror is being used in the patient's mouth, a stream of air will be continuously blown against the reflecting surface of the mirror and will dissipate all moisture from the patient's breath and prevent the mirror at all times from becoming clouded. Thus the dentist may work without the interruptions occasioned by removing steam or moisture from the reflecting surface.

While I have described the invention as associated with a dental mirror, it is to be understood that this term is used as defining the equivalent of any mirror used by dentists, physicians or surgeons in the mouth, throat or other parts of the body where it may become covered with condensed moisture. It is also to be understood that the details of construction may be modified within the scope of the claims without departing from the spirit of the invention.

What I claim is:

1. The combination of a compressed air supply conduit with an arm offset therefrom and formed with a socket, and a mirror having a shank detachably secured in said socket with the reflecting surface of the mirror spaced from the outlet end of said conduit and disposed across the path of air blown through said conduit.

2. The combination of a compressed air supply conduit formed with a socket and constituting a handle, and a mirror having a shank detachably secured in said socket, said conduit being in alinement with a point on the surface of the mirror and having an outlet port at a distance from the face of the mirror and so disposed that air blown therefrom will strike said face at an angle.

In testimony whereof I have hereunto signed my name to this specification.

DOUGLAS L. FELTHAM.