

arm by means of a cord which passes through two hard rubber or wooden balls. The lower ball is so arranged that the cord may be readily pulled through the hole in the former with just enough friction to retain the lamp at any desired distance above the worker's

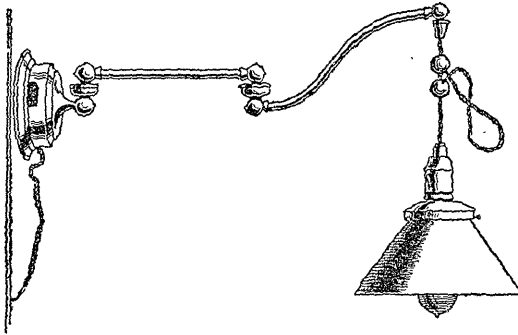


FIG. 5.

and be made to illuminate at will any particular portion of the work. The lamp shade is made of opaque material with a white porcelain lining.

The rude, glaring, naked and altogether abominable electric and gas chandeliers and powerful single lights, most commonly seen in theatres, concert halls, hotel dining rooms, churches, etc., need only be mentioned to be condemned in the strongest terms.

I know it is difficult to place lights in large rooms so that they shall be at once powerful for illumination, and innocent so far as vision is concerned; but it is altogether unpardonable not to put some apology for a cover or shade on that side of a naked electric light, or a collection of gas jets, whence the offensive light rays are projected into the eyes of an audience.

The furniture and decorations of a church speak for little intelligence on the part of the architect, and even the service itself is likely to be as "a sounding brass and a tinkling cymbal" in the ears of the thoughtful man, so long as his eyes are insulted during service by a great mass of retina-irritating gas branches or bunches of shameless electric lights!

For evening reading in private houses, or for the illumination required by one or two persons in private offices, my preference is for a good student's lamp, and the illuminant may be kerosene or it may be gas. The conditions under which reading and writing can be healthfully carried on by the aid of this form of argand burner are practically the same as those required for a more general illumination; *the lamp should be so placed that its rays fall on*

head. If desired to lower it the full length of the cord, the lower ball may be unhooked from the upper. These simple movements are supplemented by two double joints in the arm, so that the lamp can be moved in any direction horizontally,