No. 755,664. PATENTED MAR. 29, 1904.

A. W. HOFFMANN.

CANDLE AND SHADE HOLDER.

APPLICATION FILED JULY 10, 1903.

NO MODEL.

Fig: 1.

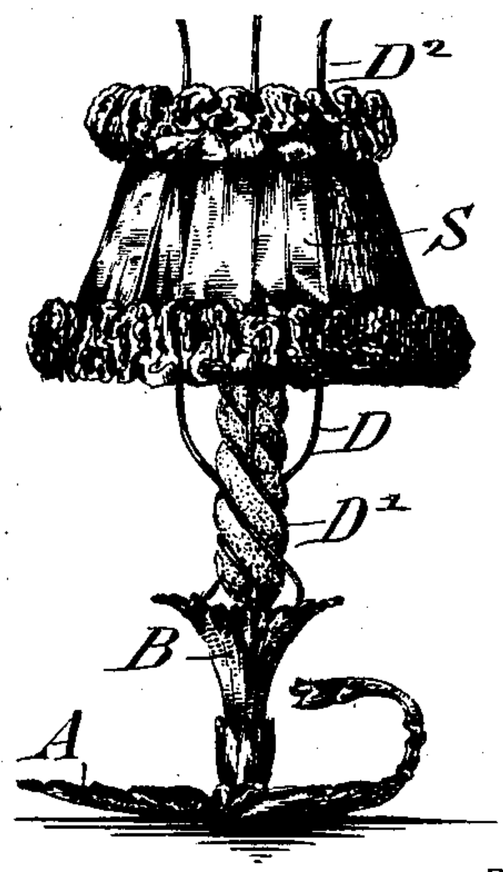


Fig: 6.

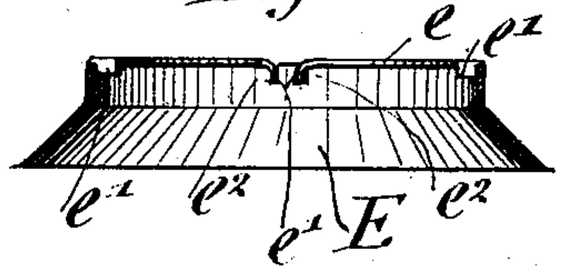


Fig: 7.

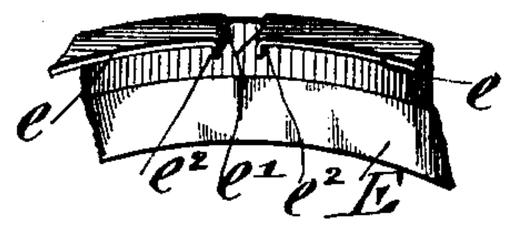


Fig: 2.

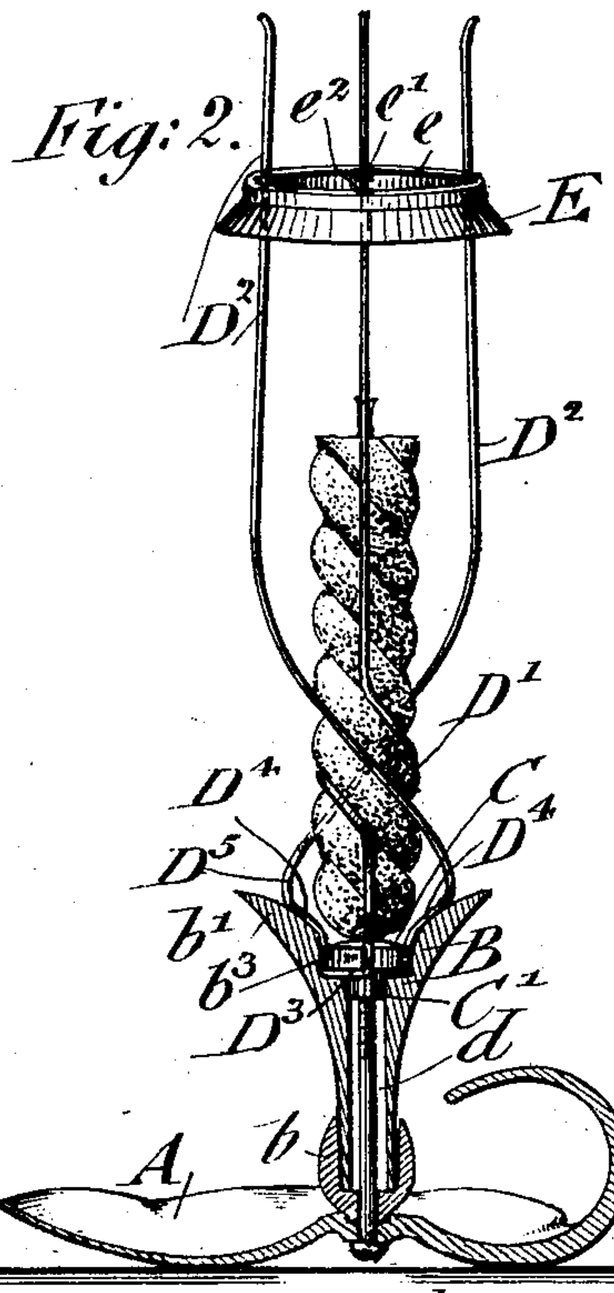


Fig: 3.

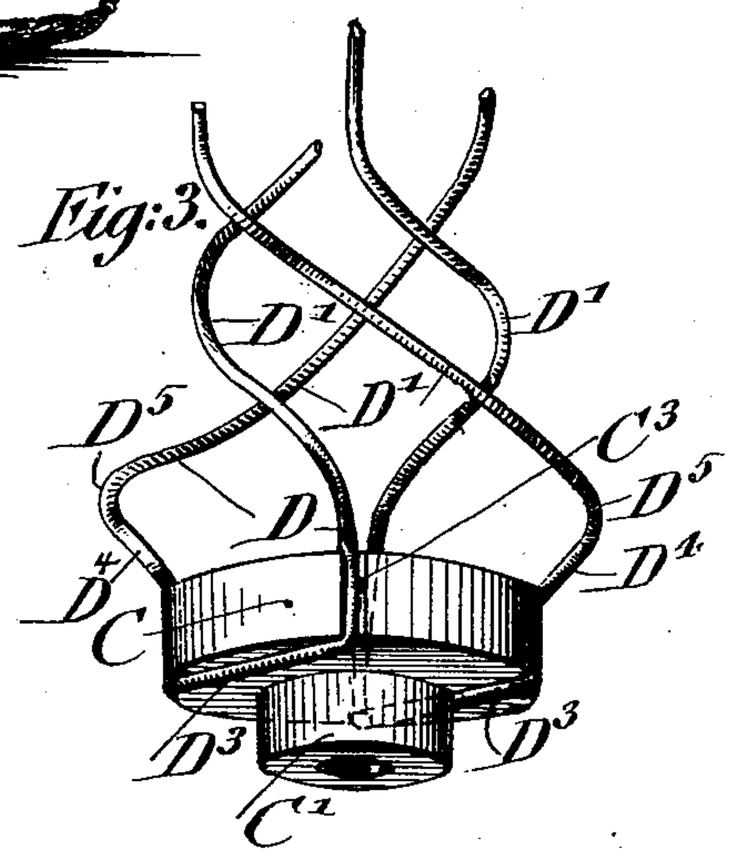


Fig: 4.

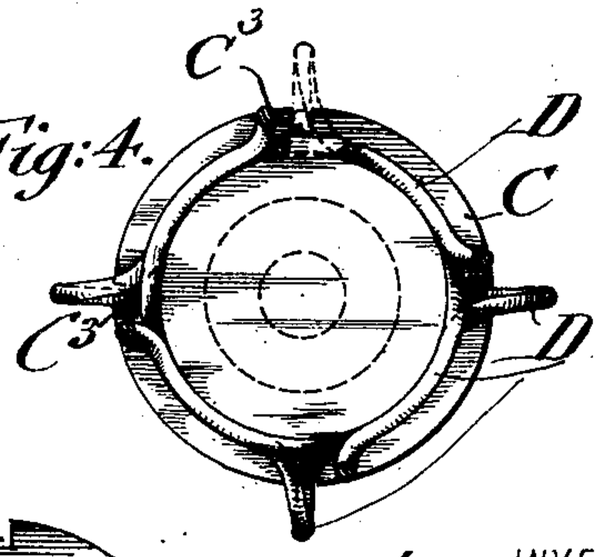
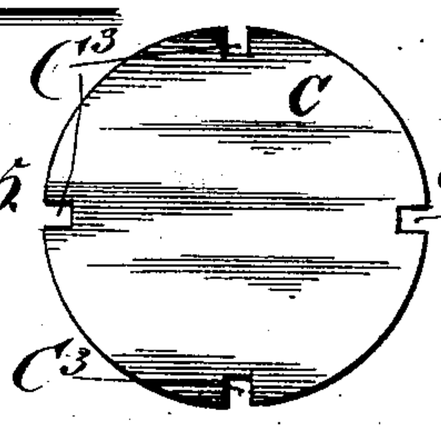


Fig: 5



WITNESSES

C. P. Goepel

John J. Keith

INVENTOR

Alfred W. Hoffmann

BY Goepel & Niles,

ATTORNEYS

No. 755,664. Patented March 29, 1904.

UNITED STATES PATENT OFFICE.

ALFRED W. HOFFMANN, OF NEW YORK, N. Y., ASSIGNOR TO NEW YORK METAL SPECIALTY MANUFACTURING CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

CANDLE AND SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 755,664, dated March 29, 1904.

Application filed July 10, 1903. Serial No. 164,970. (No model.)

To all whom it may concern:

Be it known that I, ALFRED W. HOFFMANN, a citizen of the United States, residing in New York, borough of Bronx, and State of New York, have invented certain new and useful Improvements in Candle and Shade Holders, of which the following is a specification.

This invention relates to an improved candle and shade holder of that class in which the candle is held in a socket formed of wires that are provided with helically-bent portions and outwardly-flaring spring-arms above the same, one form of which has been patented by me on May 22, 1900, under No. 649,986, and another form on November 4, 1902, No. 712,796, the improvement being designed with a view of adapting the construction to a candle-socket in connection with or without a shade-holder; and the invention consists of a candle-holder the socket of which is formed of U-shaped and helically-bent wires which are seated in recesses of a retaining-plate provided with a screw-socket at the under side, so as to be attached by means of a fastening-screw to the socket of the candlestick, the upper end of which is made in the shape of a dish, so as to form a drip-cup.

The invention consists, further, in providing a candle-holding socket composed of helically-bent wires with upwardly-extending and outwardly-flaring spring-arms, on which the shade-supporting ring is placed, the inwardly-bent rim of said ring being provided with recesses for the wires and downwardly-bent friction-lugs at the sides of the recesses of the rim and made integral therewith, so that the shade can be retained at any point on the spring-arms, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a side elevation of my improved candle and shade holder with a shade in position thereon. Fig. 2 is a side elevation of the same, partly in section, through the base-plate of the candle-holder, drawn on a larger scale. Fig. 3 is a perspective view of the helically-bent wires for holding the candle and the plate for retaining the same. Fig. 4 is a top view of Fig. 3. Fig. 5 is a top view of the recessed retaining-plate, and Figs. 6 and 7 are details of the shade-supporting ring.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the base-plate of my improved candle-holder, and B the upright candlestick, which is formed of two parts—a socket-shaped lower part b and an outwardly-flaring upper part or drip-cup b'. The drip-cup is provided with a center opening b^3 at the upper end, so as to form a seat for a retaining-plate C, which is held in position in the seat or opening b^3 by a fastening-screw d, which passes through the base-plate A, socket b, and shank of the drip-cup b' and into the socket C′ of the retaining-plate C, as shown clearly in Fig. 2, the screw d being provided with a head d' to permit the ready taking apart of the parts for cleaning, &c.

The retaining-plate C is provided with inwardly-extending recesses C^3 at four equidistant points of its circumference, which serve as seats for the U-shaped lower ends of the candle-holding wires D. The candle-holding wires are provided above the retaining-plate C with helically-bent portions D′ and with upwardly-extending spring-arms D^2, as shown in Fig. 2. The spring-arms D^2 carry at their upper ends the shade-supporting ring E, which is provided with an inwardly-extending rim e, having at four points of its circumference recesses e', provided with downwardly-bent flanges e^2, that exert a frictional pressure on the spring-arms D^2, so that the shade S, which is placed on the outer portion of the ring E, can be readily moved upward or downward on the spring-arms and supported in any position thereon by the frictional contact of the downwardly-extending lugs e^2 with the spring-arms D^2 of the candle-holding wires D. When the candle is used without a shade, the spring-arms D^2 can be dispensed with, the candle-holding socket being then formed of a helically-bent portion, as shown in Fig. 3.

The U-shaped lower portions D^3 of the helically-bent candle-holding wires are placed in position in two adjacent recesses of the retaining-plate C, as shown in Fig. 3, the retaining-plate C being then placed in the recess of the drip-cup b', as shown in Fig. 2, and retained therein by the fastening-screw d, which is screwed home in the screw-socket C' at the lower end of the retaining-plate C. The adjacent portions of the candle-holding wires are bent above the retaining-plate C, so as to conform to the interior contour of the drip-cup b', as shown in Figs. 2 and 3 at D^4, and then bent upwardly, as shown at D^5, above which the helically-bent portions of the candle-socket are formed. The retaining-plate and the drip-cup surrounding the same permit the burning of the candle to the very last point and the easy removal of any adhering tallow, either by scraping off or by loosening the plate and detaching the parts and cleaning them of all adhering tallow, wax, or paraffin, after which the parts are again assembled, so that the candle-holder is again ready for use.

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

1. A candle and shade holder, consisting of a base-plate, a retaining-plate recessed at its circumference, U-shaped wires each seated in adjacent recesses and provided with helically-bent portions above the retaining-plate, and supporting means for the retaining-plate connected to the base-plate, substantially as set forth.

2. A candle and shade holder, consisting of a base-plate provided with a drip-cup, a retaining-plate seated in said drip-cup, a candle-holding wire socket composed of U-shaped wires seated in recesses of the retaining-plate and provided with helically-bent portions above the same, and means for securing the retaining-plate in its seat in the drip-cup, substantially as set forth.

3. In a candle-holder, the combination, with a retaining-plate provided with recesses in its circumference, of U-shaped wires each seated in adjacent recesses of the retaining-plate, and helically-bent portions above the U-shaped portions for holding the candle, substantially as set forth.

4. A candle and shade holder, consisting of a base, a drip-cup for the same, helically-bent wires retained at their lower ends in the drip-cup, the wires being provided with upwardly-extending and outwardly-flaring spring-arms, a shade-holding ring provided with a recessed rim having downwardly-extending lugs at both sides of each recess, said recesses being adapted to form frictional contact with the spring-arms for supporting the shade in any desired position thereon, substantially as set forth.

5. A candle and shade holder, consisting of a base, a retaining-plate recessed at its circumference supported by said base, and provided with a downwardly-extending screw-threaded socket, U-shaped wires seated in said recesses and provided with helically-bent portions above the retaining-plate, and a fastening-screw passing through the base and engaging the socket of the retaining-plate, substantially as set forth.

6. In combination with a candlestick composed of a base-plate, and a drip-cup provided with a central recess and outwardly-flaring ends, of a candle and shade holder, composed of a retaining-plate having a socket-shaped lower part seated in the central recess of the drip-cup and provided with circumferential recesses, U-shaped wires seated in said recesses passing upwardly, bent first to conform to the shape of the drip-cup, then bent helically, and lastly flaring upwardly and outwardly, a shade-holding ring provided with a recessed rim having downwardly-extending legs at both sides of each recess for forming a frictional contact with the upwardly-flaring spring-arms, and a screw connecting the base-plate, drip-cup and retaining-plate, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ALFRED W. HOFFMANN.

Witnesses:
PAUL GOEPEL,
C. P. GOEPEL.