O. E. COOK.

ELECTRIC LAMP FIXTURE.

APPLICATION FILED MAY 5, 1915.

1,166,815.

Patented Jan. 4, 1916.

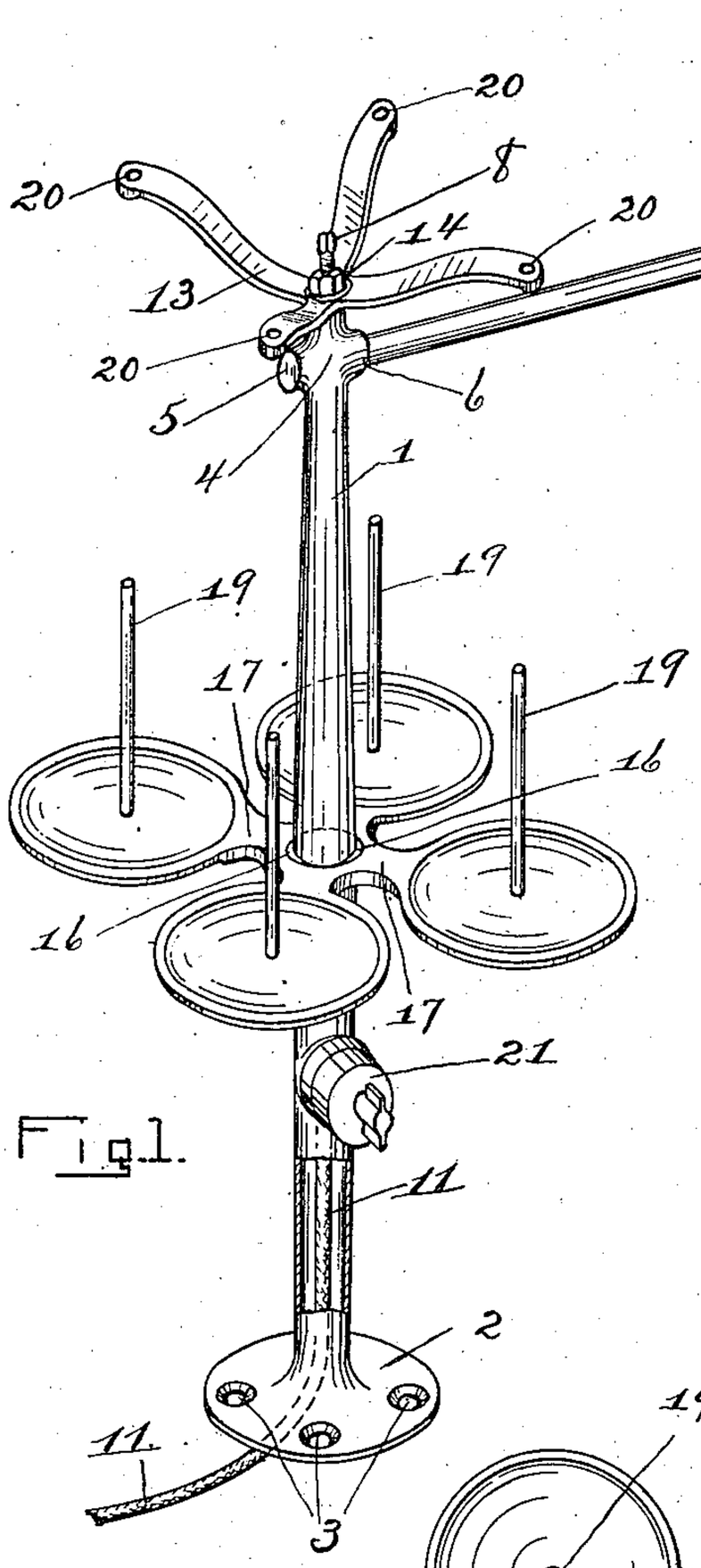

Fig. 1.

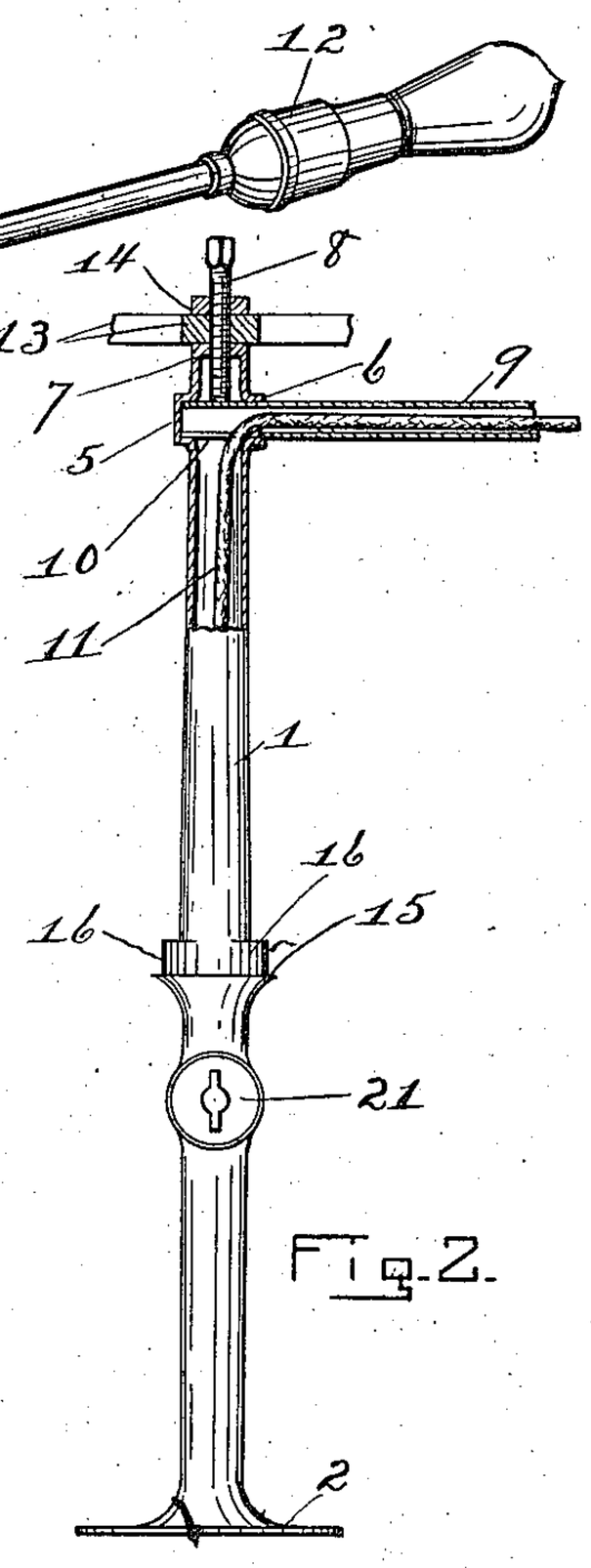

Fig. 2.

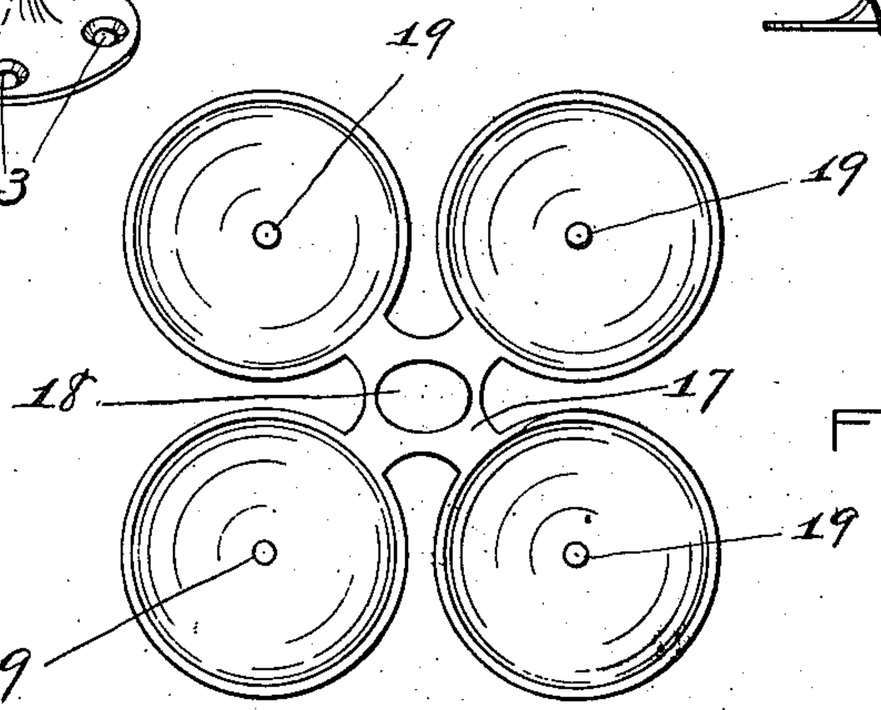

Fig. 3.

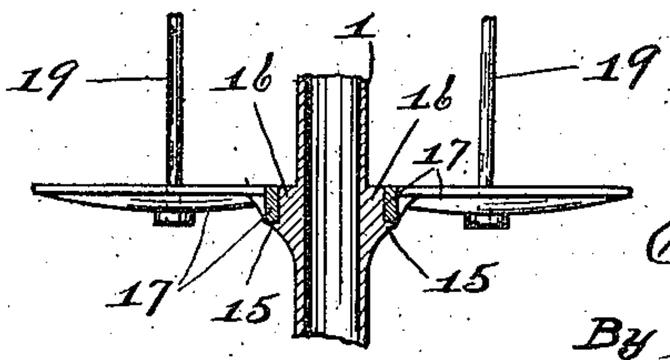

Fig. 4.

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UNITED STATES PATENT OFFICE.

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ELECTRIC-LAMP FIXTURE.

1,166,815. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed May 5, 1915. Serial No. 25,880.

To all whom it may concern:

Be it known that I, ORVILLE E. COOK, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Combination Spool-Stands, Thread-Guides, and Electric-Lamp Fixtures for Sewing-Machine Tables, of which the following is a specification.

The invention relates to such improvements and consists in the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures therein.

The principal object of the invention is to provide in compact form means for supporting spools of thread, guides for the thread, and an electric-lamp-support, comprising a unit which can be readily mounted upon a sewing-machine-table adjacent to a sewing-machine or between oppositely disposed sewing-machines.

Figure 1 of the drawings is a view in perspective of a combination spool-stand, thread-guide and electric-lamp-fixture embodying my invention. Fig. 2 is a view in side elevation of the post with the spool-stand removed, the upper end of the post, the thread-guide and the electric-lamp-supporting pipe being partly broken away and shown in vertical section. Fig. 3 is a plan view of the spool-stand. Fig. 4 is a central, vertical section showing a broken-away portion of the post upon which the spool-stand is mounted.

Referring to the drawings wherein the invention is shown in preferred form, 1 is a hollow post having a base, 2, provided with means whereby it can be readily attached to a sewing-machine-table, the base being shown provided with screw-holes, 3, for that purpose.

The upper end of the post has a head, 4, formed of oppositely disposed hollow lateral projections, 5 and 6, the projection, 6, being open.

The top of the head is provided with a screw-threaded aperture, 7, adapted to receive a set-screw, 8.

A pipe, 9, has its inner end mounted within the hollow projections, 5 and 6, being secured therein by engagement of the set-screw, 8, with the inserted end of the pipe.

The inserted end of the pipe is provided with a lateral opening, 10, communicating with the hollow interior of the post and adapted to permit a wire or cable, 11, to be run up through the hollow post and into and through the pipe to an incandescent-electric-lamp-socket, 12, on the outer end of the pipe.

A thread-guide in the form of a spider, 13, is mounted upon the top of the post, being centrally apertured to receive the set-screw, 8, and being clamped tightly between the top of the post and a lock-nut, 14, fitting the set-screw, 8.

At a point intermediately of the base, 2, and head, 4, the post is formed with a shelf, 15, and immediately thereabove with oppositely disposed offsets, 16, in line with the respective offsets, 5 and 6, forming the head of the post, said shelf being adapted to form a support for a spool-stand, 17, adapted to rest thereupon and provided with an aperture, 18, which is adapted to receive and fit the adjacent offset portion of the post. By having the offsets, 16, in line with the respective offsets, 5 and 6, the post, 1, can be conveniently molded of metal.

In setting up the device, the spool-stand, 17, is passed down over the head, 4, of the post, the aperture, 18, in the stand being adapted to freely pass the offsets, 5 and 6. When the spool-stand has been forced down upon the shelf, 15, it will be firmly supported thereupon and prevented from rotation by means of the offsets, 16. After the spool-stand has been thus mounted upon the post, the lamp-supporting pipe, 9, is wired before the pipe is applied to the post, after which the end of the pipe provided with the opening, 10, is inserted through the open projection, 6, into the hollow projection, 5. The spider, 13, is then placed upon the top of the post, the set-screw, 8, is screwed down tightly upon the inserted end of the pipe, 9, and finally the lock-nut, 14, is screwed down tightly upon the spider, 13, to clamp the same firmly upon the top of the post. The device thus set up comprises a unit which can be readily mounted upon a sewing-machine-table at the point desired.

I have shown the spool-stand provided with four pins, 19, and the spider, 13, with

four thread-guides, 20, this form of the device being adapted to be mounted upon the middle of a sewing-machine table between two rows of sewing-machines, and to furnish light, spool-supports and thread-guides for the use of operators of two oppositely disposed sewing-machines.

If desired the post, 1, may have an electric switch, 21, mounted thereupon for controlling the lamp-circuit through the cable, 11.

What I claim as new and desire to secure by Letters Patent is—

1. A device of the class described comprising a hollow post having a base provided with means whereby it can be attached to a sewing-machine table and having a head provided with a lateral opening, and an offset located intermediately of said base and head, a spool-stand mounted upon said offset on the post, an electric-lamp-supporting pipe mounted in said lateral opening in the head of the post in communication with the hollow interior thereof, and a thread-guide mounted upon the head of the post.

2. A device of the class described comprising a hollow post having a base provided with means whereby it can be attached to a sewing-machine table, a head provided with a lateral opening, and, intermediately of said base and head, a shelf, and adjacent to said shelf an offset, a spool-stand apertured to receive the offset-portion of said post and adapted to rest upon said shelf, an electric-lamp-supporting pipe secured in said lateral opening in the head of the post in communication with the hollow interior thereof, and a thread-guide mounted upon the head of the post.

3. A device of the class described comprising a hollow post having a base provided with means whereby it can be attached to a sewing-machine table, a head formed by oppositely disposed hollow lateral projections on the post, one of said projections being open, said head being provided with a screw-threaded aperture in its top, said post having intermediately of its base and head a shelf and adjacent thereto oppositely disposed offsets in line with the respective offsets forming the head, a spool-stand adapted to rest upon said shelf and apertured to fit the offset-portion of the post adjacent thereto, an electric-lamp-supporting pipe mounted in the hollow projections in the head of the post and projecting out through said open projection, the inner end of said pipe being provided with a lateral wire-receiving opening communicating with the hollow interior of the post, a set-screw fitting the screw-threaded aperture in the top of the post engageable with the inner end of said pipe, a lock-nut on said set-screw, and a thread-guide apertured to receive said set-screw and clamped between said lock-nut and the top of the head.

In testimony whereof, I have hereunto set my hand this 1st day of May, 1915.

ORVILLE E. COOK.