L. C. BROWN.

SHELF FOR UTILIZING LAMP HEAT.

APPLICATION FILED FEB. 1, 1908.

919,534. Patented Apr. 27, 1909.

Fig. 1

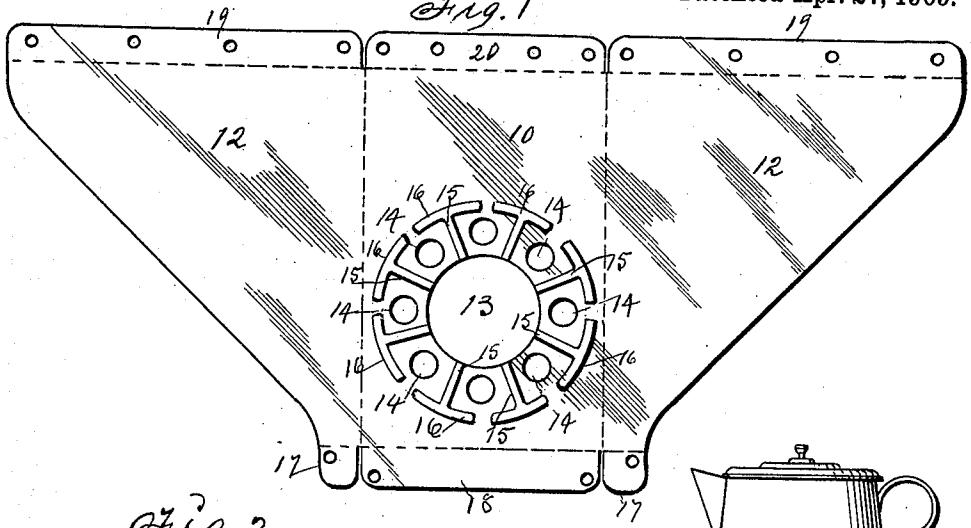


Fig. 2

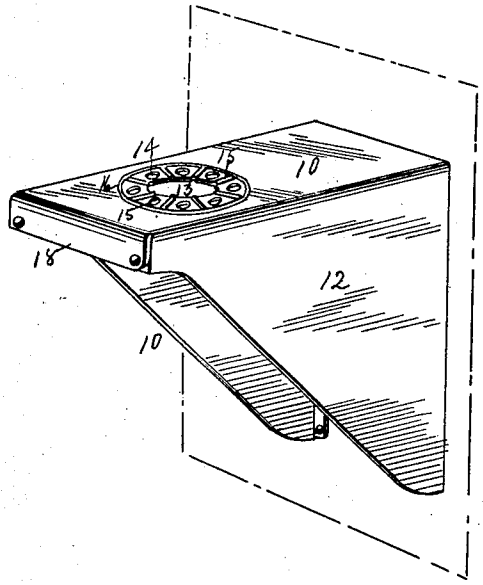
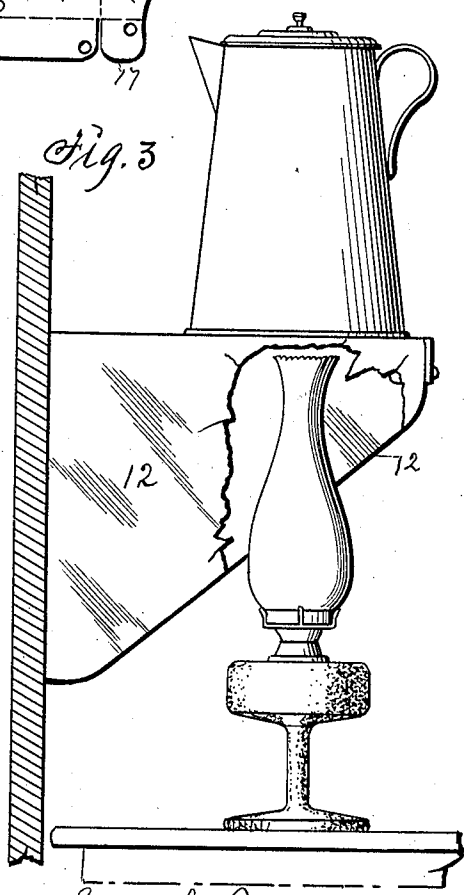


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

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SHELF FOR UTILIZING LAMP HEAT.

No. 919,534. Specification of Letters Patent. Patented April 27, 1909.

Application filed February 1, 1908. Serial No. 414,129.

To all whom it may concern:

Be it known that I, LEROY C. BROWN, a citizen of the United States, residing at Logan, in the county of Harrison and State of Iowa, have invented a new and useful Shelf for Utilizing Lamp Heat, of which the following is a specification.

My object is to provide a neat, strong, durable, convenient and safe means of supporting a tin cup, teapot or other culinary vessel over a lamp for the purpose of heating water, cooking food &c.

My invention consists in a bracket or shelf specially adapted to be fixed against a wall over a table or platform in such a manner that a lamp can be placed thereon for conveying heat from the lamp to a vessel supported upon the shelf, immediately over the top of the lamp chimney, as required for utilizing the lamp heat advantageously for various purposes as hereinafter set forth, pointed out in my claims and illustrated in the accompanying drawings in which:

Figure 1 is a diagraphical view of a blank adapted for making the shelf complete from one piece of sheet metal. Fig. 2 is a perspective view of the shelf and Fig. 3 shows my invention applied as required for practical use.

The numeral 10 designates the main portion of the blank and 12 are triangular shaped mating sides. Dotted lines indicate where they are to be bent downward at right angles to produce parallel sides and flanges. A circular opening, 13, in the part 10 is designed to let the heat of a lamp pass therethrough direct from a lamp chimney and a plurality of smaller circular openings, 14, surrounding the main opening 10 also allow heat from a lamp to circulate under a vessel placed on top of the shelf when completed and in a stationary fixed position.

To support a vessel above the level of the top surface of the shelf radial corrugations 15 are pressed upward and intersected at their outer ends by curved extensions 16 as clearly shown in Fig. 1. By bending the sides 12 downward at right angles and their top front end portions 17 inward at right angles and the front edge 18 down over the parts 17 and riveting them together a neat and strong finish of the front shelf is produced. By bending the rear edge parts 19 inward at right angles and the top rear part 20 down over them and riveting their overlying parts together a continuous flange is produced adapted to be fixed against a wall as shown in Fig. 2 and as required for securely supporting the shelf and any vessel that may be placed thereon to be subjected to heat generated by a lamp on a platform or table under my invention constructed and applied as shown and described.

It is obvious the shelf may vary in size as desired and that the corrugations in the top of the shelf can vary in form and number to allow the circulation of heat between the shelf and the flat bottom of a vessel placed on the shelf for culinary purposes.

Having thus set forth the purposes of my invention and the manner of its construction and application and use the practical utility thereof will be obvious.

What I claim as new and desire to secure by Letters-Patent therefor, is:

1. A new article of manufacture comprising a shelf composed of a flat plate having its sides bent downward at right angles, one or more openings in the top and means for fixing the rear edges of its flat top and its vertical sides against a wall, to operate as set forth.

2. As a new article of manufacture, a shelf for utilizing the heat of a lamp for culinary purposes comprising a plate having a flat top provided with one or more openings and a plurality of corrugations, sides extending down from the parallel edges of the top, a flange at the front of the top, a flange at the rear of the top and a flange at the rear of each vertical side to be applied and utilized as set forth.

LEROY C. BROWN.

Witnesses:

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