May 19, 1925. 1,538,152

H. J. YORK

LAMP SHADE

Filed April 7, 1924

Fig. 1.

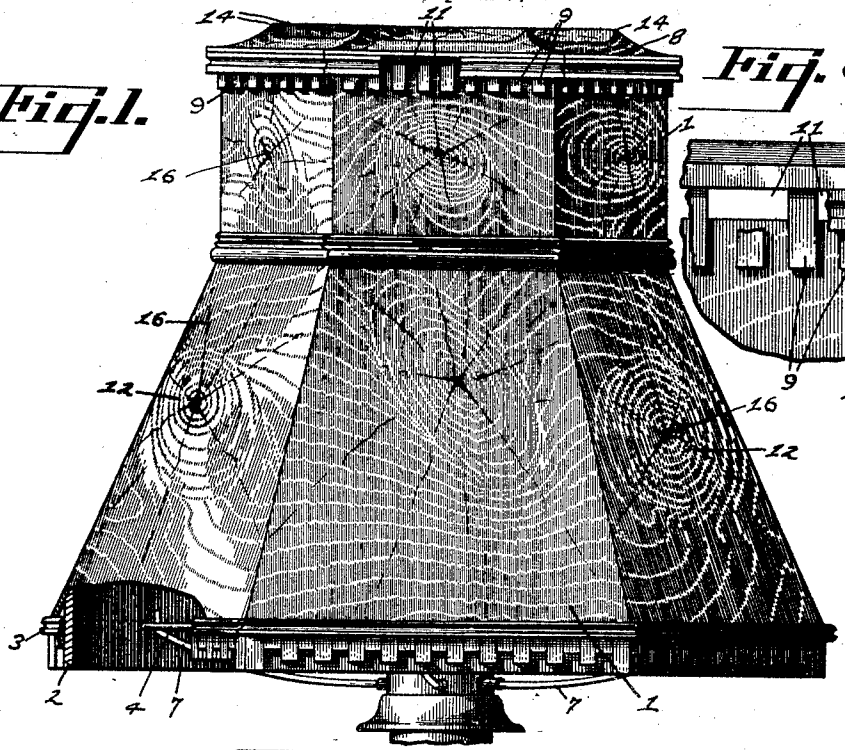
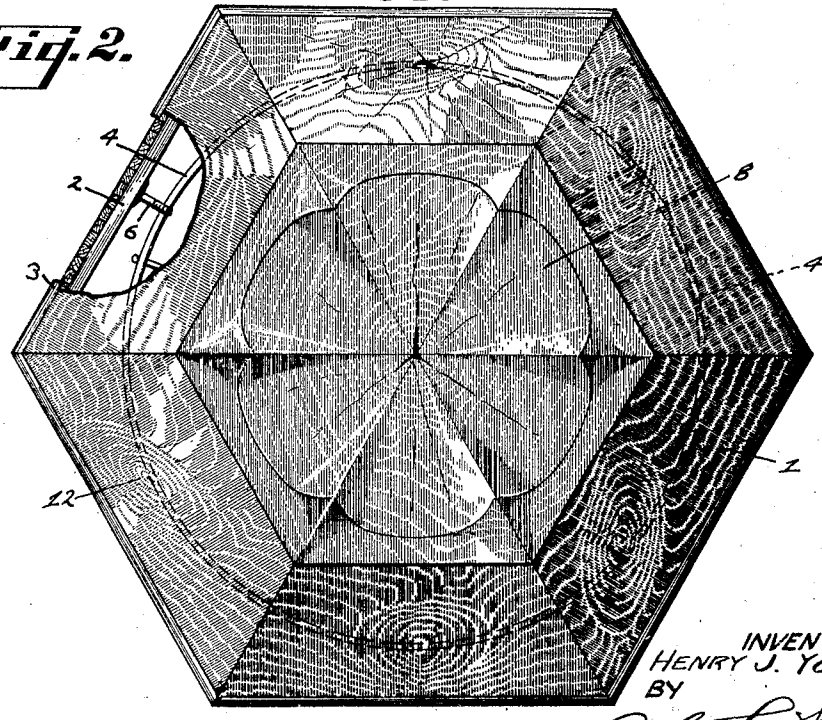


Fig. 3.

Fig. 2.



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HENRY J. YORK, OF SAN FRANCISCO, CALIFORNIA.

LAMP SHADE.

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To all whom it may concern:

Be it known that I, HENRY J. YORK, a citizen of the United States, residing in the city and county of San Francisco, and State of California, have invented a new and useful Improvement in a Lamp Shade, of which the following is a specification.

My invention relates to improvements in lamp shades and the like adapted to shield a lighting element and to be illuminated thereby to give a softened light and to present an attractive and highly ornamental appearance.

The primary object of my invention is to provide, as a new article of manufacture, an improved lamp shade, constructed from thin wooden panels adapted to be illuminated by a lighting element and to transmit a subdued light and in which the natural wood grain is caused to serve for ornamentation.

Another object is to provide an improved lamp shade utilizing in its construction pieces of wood containing knots such as are commonly cut from selected lumber and wasted, except as perhaps utilized for fuel, thereby affording a means for advantageously using such waste material and providing a device which can be manufactured economically because of the low cost of such material, and because the knotted grain of the wood serves as an ornamentation thereby eliminating the cost of artistic design work.

A still further object is to provide an improved structure adapted to cause a circulation of air upwardly through the shade to prevent overheating and possible injury to the shade.

A further object is to provide an improved means for mounting the shade in association with a lighting element to facilitate the placing and removal of the shade and to facilitate the adjustment of the shade to display various portions thereof.

I accomplish these and other objects by means of the device disclosed in the drawings forming a part of the present specification wherein like characters of reference are used to designate similar parts throughout said specification and drawings and in which,

Fig. 1 is a side elevation of my improved lamp shade, parts being broken away and shown in section.

Fig. 2 is a plan view of the shade, partly broken away.

Fig. 3 is a detail showing upon a somewhat larger scale, the manner in which the top panel is connected to the side panels.

Referring to the drawings my improved lamp shade will be seen to consist of a plurality of side panels 1 having abutting edges connected together to form a screen adapted to extend around a lighting element of any suitable character, not shown. The lower edges of the side panels 1 are preferably secured to and reinforced by an inner band 2 and a suitable moulding 3 adapted to strengthen the screen and give a finished appearance thereto.

An annular ring 4 is secured within the screen adjacent the lower edge thereof, said ring being held in spaced relation to the inner surfaces of the band 2 by suitable securing elements 6 and adapted to be engaged by suitable supporting arms 7 mounted in connection with the lighting element whereby the shade may be supported around said lighting element.

A top panel 8 is mounted across the top of the screen formed by the side panels 1, said top panel 8 being held in slidably spaced relation to the upper edges of the side panels 1 by means of connecting elements 9 secured in spaced relation to each other around the top of the side panels whereby air passages 11 are formed between the panels 1 and the top panel 8.

The panels 1 are made from sections of wood cut transversely to the grain and preferably from pieces of wood containing knots 12. The sections are cut extremely thin so that the panels are rendered translucent whereby the sections will be illuminated by the lighting element within the shade and a subdued light transmitted through the shade. The degree to which the panels are illuminated varies in accordance with the character and density of the wood fiber. Thus the soft porous portions will be illuminated to a much higher degree than the harder and more dense portions of the wood, and will appear proportionally brighter. The knot portions 12 are made up of rings of varying densities which will be illuminated to varying degrees differing of course from the less dense body of the panel. In this manner, when the lighting element is

illuminated the shade becomes illuminated and the natural grain of the wood appears as a clearly defined pattern delineated upon the shade, by lines of various degrees of brightness.

The top panel 8 is similarly cut from knotted wood adapted to be illuminated as above described. A further variation is obtained by shaping the top panel to obtain regularly arranged thickened portions 14, said thickened portions reducing the degree to which the panel is illuminated and giving an appearance of shadow upon the panel. The thickened portions also lend finish to the top and add to the appearance of the shade.

The character of the panels, particularly when formed from resinous woods, is such that overheating is likely to damage the individual panels or even the entire shade. To avoid such overheating, I provide the air passages 11 above described whereby air heated by the lighting element will rise and escape through the top of the shade, thereby setting up a circulation of air upwardly through the shade and in this manner preventing the shade from becoming heated.

In making the panels 1 and 8 I contemplate the use of wood containing large knots, such as is cut from selected lumber at the mills. The portions of the wood containing such knots are useless as lumber, and as a result vast quantities of such material is used for fuel or is entirely wasted. The material from which my improved shade is made is thus obtainable at an extremely nominal cost. Furthermore, the knotted wood is particularly desired for the making of my panels for the novelty and attractiveness of the knotted grain of the wood. As is well known, the graining of the wood in and around the knots is unique and highly attractive, and adapted to produce an artistic effect requiring no manual treatment other than the ordinary surfacing of the wood. In this manner, I am able to avoid the expense involved in the applying of artistic designs by skilled artists, and as a result my improved lamp shade can be manufactured and sold at a relatively low cost.

Knots of the character mentioned are frequently marked with checks and cracks 16 forming characteristic markings. These cracks and checks I fill with an opaque filler of any suitable character whereby such markings will be emphasized and add to the uniqueness and attractiveness of the design.

The shade may of course be made in a great variety of designs, the number and arrangement of the side panels 1 being subject to modification in a great number of ways without departing from the spirit of my invention and without altering its character as an article of manufacture.

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

1. As an article of manufacture, a lamp shade comprising a plurality of panels connected together and adapted for mounting around a lighting element, said panels being made from very thin sections of wood cut transversely to a knot, the wood and knot being illuminated to varying degrees throughout the panel in accordance with the density and character of the wood to delineate a design formed by the natural grain of the wood; and an opaque filler applied in checks and cracks occuring in the knot to add to the design.

2. As an article of manufacture, a lamp shade comprising a plurality of side panels connected together and adapted for mounting around a lighting element, said panels being made from very thin sections of wood cut transversely to a knot, the wood and knot being illuminated to varying degree throughout the panel in accordance with the density and character of the wood to delineate a design formed by the natural grain of said wood; a top panel mounted across the top of the shade in slightly spaced relation to the upper edges of the side panels to form an air passage therebetween whereby air may circulate upwardly through the shade to prevent heating of said shade.

3. As an article of manufacture, a lamp shade comprising a plurality of side panels connected together to form a screen adapted to extend around a lighting element; an annular ring mounted within the screen adjacent the lower edge thereof, said ring being held in slightly spaced relation to the side panels whereby the screen may be mounted in association with the lighting element; top panel mounted across the top of the screen in slightly spaced relation thereto to form an air passage therebetween whereby air may circulate upwardly through the shade to prevent heating thereof, the top and side panels being made from thin sections of wood cut transversely to a knot and adapted to be illuminated to varying degree throughout each panel in accordance with the density and character of the wood to delineate a design formed by the natural grain thereof when the lighting element is illuminated.

4. As an article of manufacture, a lamp shade comprising a plurality of side panels connected together to form a screen adapted to extend around a lighting element; an annular ring mounted within the screen adjacent the lower edge thereof, said ring being held in spaced relation to the side panels whereby the screen may be mounted in association with the lighting element; a top panel mounted above the top of the screen, said top panel and the side panels being

made from thin sections of wood cut transversely across a knot and adapted to be illuminated to varying degree throughout each panel in accordance with the density and character of the wood to delineate a design formed by the natural grain thereof when the lighting element is illuminated; and a plurality of connecting elements secured between the top panel and the upper edges of the side panels to hold said top panel in spaced relation to the screen, said connecting elements being arranged in spaced relation to form a plurality of air passages adjacent the top of the shade to permit a circulation of air upwardly through the shade and thereby prevent heating of the shade.

In witness whereof I hereunto set my signature.

HENRY J. YORK.