

(No Model.)

2 Sheets—Sheet 1.

F. RHIND.
HANGING LAMP.

No. 379,908.

Patented Mar. 20, 1888.

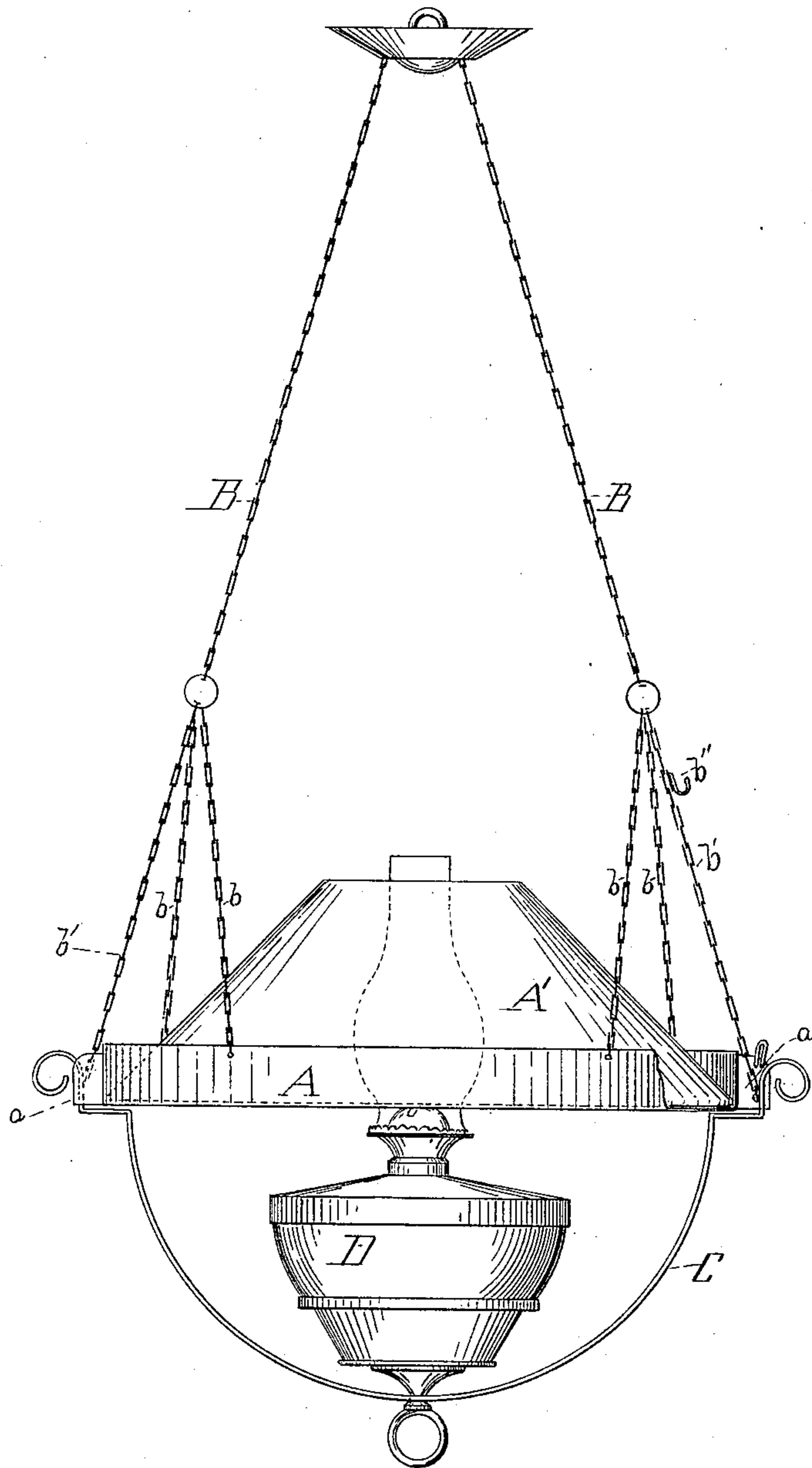


Fig. 1

WITNESSES.

S. J. Roby

Benj. C. Kennaugh

Frank Rhind

INVENTOR.

per Geo. L. Cooper. ATTORNEY.

(No Model.)

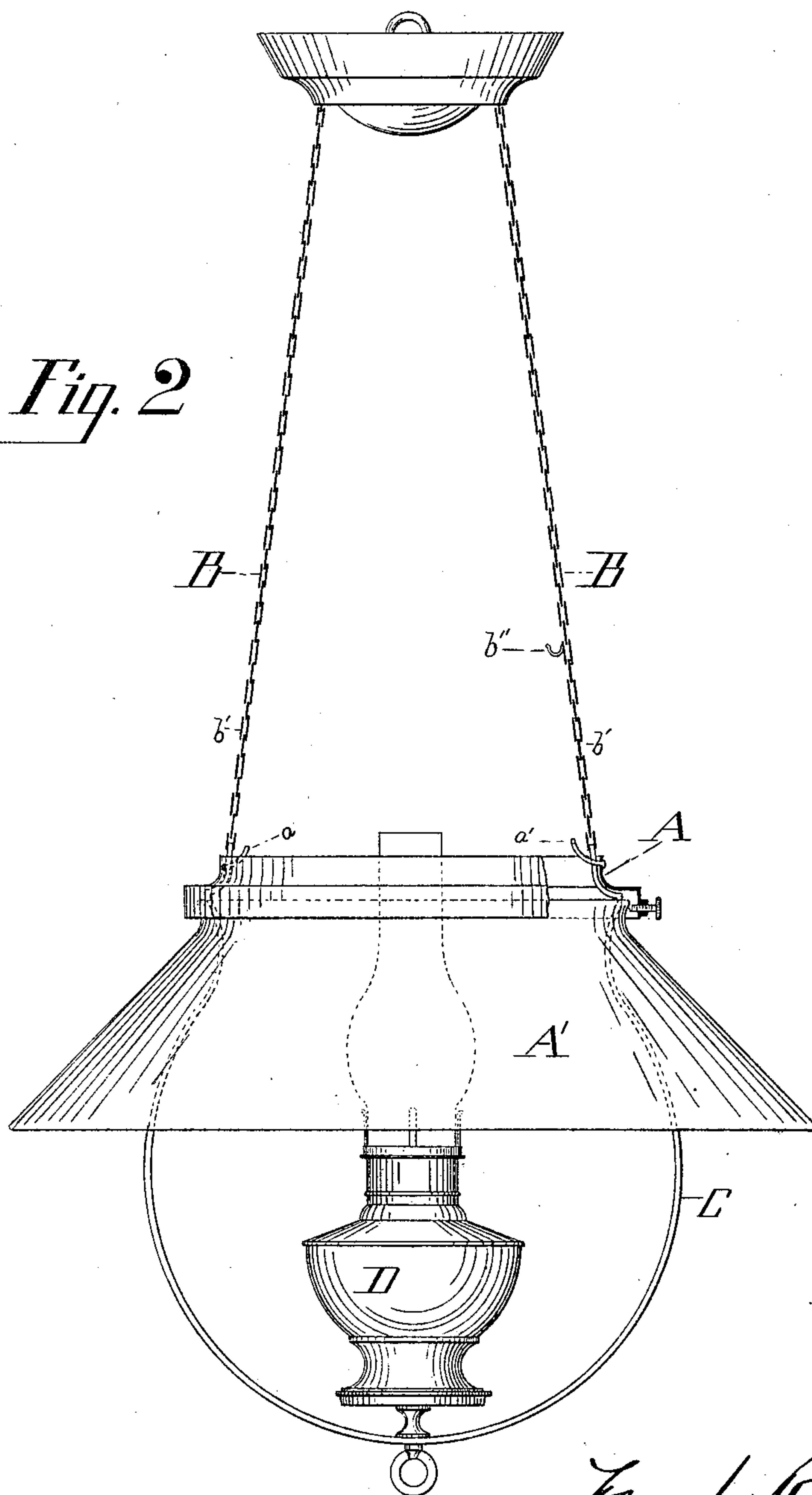
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Fig. 2



WITNESSES.

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UNITED STATES PATENT OFFICE.

FRANK RHIND, OF MERIDEN, CONNECTICUT, ASSIGNOR TO EDWARD MILLER & COMPANY, OF SAME PLACE.

HANGING LAMP.

SPECIFICATION forming part of Letters Patent No. 379,908, dated March 20, 1888.

Application filed June 27, 1887. Serial No. 242,570. (No model.)

To all whom it may concern:

Be it known that I, FRANK RHIND, a citizen of the United States, residing at Meriden, county of New Haven, and State of Connecticut, have invented an Improvement in Hanging Lamps, of which the following is a specification.

My invention relates to that class of hanging lamps which are provided with shades or reflectors, and is intended to facilitate the introduction or removal of the oil-fount, burner, and chimney from the supporting frame or fixture.

In the accompanying drawings, Figure 1 represents a hanging lamp in which the shade is supported by a band encircling its lower edge; Fig. 2, a lamp in which the shade is supported by a band clasping a flange or bead at its upper edge.

A designates a shade-band; A', a shade supported thereby; *a a'*, guides attached to the band A; B, a main supporting-chain; *b*, a chain extending from the chain B to the shade-band A; *b'*, a chain extending from the chain B to a "harp" or frame; *b''*, a hook or stop on the chain *b'*; C, a harp or frame suspended by the chain *b'*; D, a lamp or fount supported by the frame C.

Similar letters refer to similar parts in both views.

In explaining the construction and operation of my invention I will first describe the form shown in Fig. 1.

The shade-band A is suspended by the chains *b*, attached to the main supporting-chains B.

The frame C is suspended by the chains *b'*, also attached to the main supporting-chains B. These chains *b* and *b'* are of such relative lengths that the band A passes between the ends of the frame C. The band A is provided with guides *a a'*, to assist in maintaining the band A and the frame C in planes perpendicular to each other. The guide *a* may be made in the form of a hinge or pivot. The guide *a'* may act as a latch or lock. The guide *a'* is also advantageously provided with a loop or opening adapted to engage with the hook *b''*, or it may have a hook or catch adapted to engage with a link of the chain *b'*. When it is desired to remove the lamp D with its burner

and chimney from the frame C, the guide *a'* is disengaged from the frame C and the shade-band A, carrying the shade A', turned on the hinge or guide *a* and supported in an angular position by the hook *b''* or its equivalent. The lamp D may then be easily removed from or replaced in the frame C without first removing the chimney or without tipping the lamp to an inconvenient angle.

It is obvious that the guides *a a'* may be made alike in form, and so that either may serve as a hinge or pivotal point. It will then be convenient to provide both guides with means for engaging with hooks *b''* or with the chain *b'*. The shade-band and shade may then be lifted from either side.

In the construction shown in Fig. 2 the auxiliary chains *b b'* are disused. The frame C is suspended by the chains B. The band A rests on a shoulder formed in the frame C. The guides *a a'* and the hook *b''* may be similar to those shown in the former construction, and the advantage of making the guides *a a'* alike in form and of providing two hooks *b''* or their equivalents will be equally obvious.

It will be understood that several mechanical changes in construction may be made without departing from the spirit of my invention. Thus three or more chains B may be employed, or cords, wires, rods, or any convenient substitute may be used instead of the chains herein described or any of them. When, therefore, I use the term "chains" in the claims or elsewhere, I wish to be understood as doing so without prejudice.

The difficulty of removing the fount, burner, and chimney from a "library" lamp of the ordinary construction is well known, and various devices have been introduced to remedy it. In some of these the weight of the fount and its supporting-frame has been balanced against that of the shade and shade-band, so that the operator was enabled to draw down the fount and elevate the shade at the same time. This construction I expressly disclaim as forming any part of my invention.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is as follows:

1. In a hanging lamp, the combination of

sustaining-chains, a lamp-supporting frame depending from said chains, a shade-supporting band, also depending from said chains, said band being normally suspended in a horizontal plane, and a catch or fastening adapted to engage said band when tilted out of a horizontal plane, substantially as described.

2. In a hanging lamp, the combination of sustaining-chains, a lamp-supporting frame depending from said chains, a shade-supporting band depending from said chains, said band

being normally suspended in a horizontal plane, guides on said band adapted to engage the ends of said frame, and a catch or fastening adapted to engage said band when tilted out of a horizontal plane, substantially as described.

FRANK RHIND.

Witnesses:

GEO. L. COOPER,
S. J. ROBY.