

(No Model.)

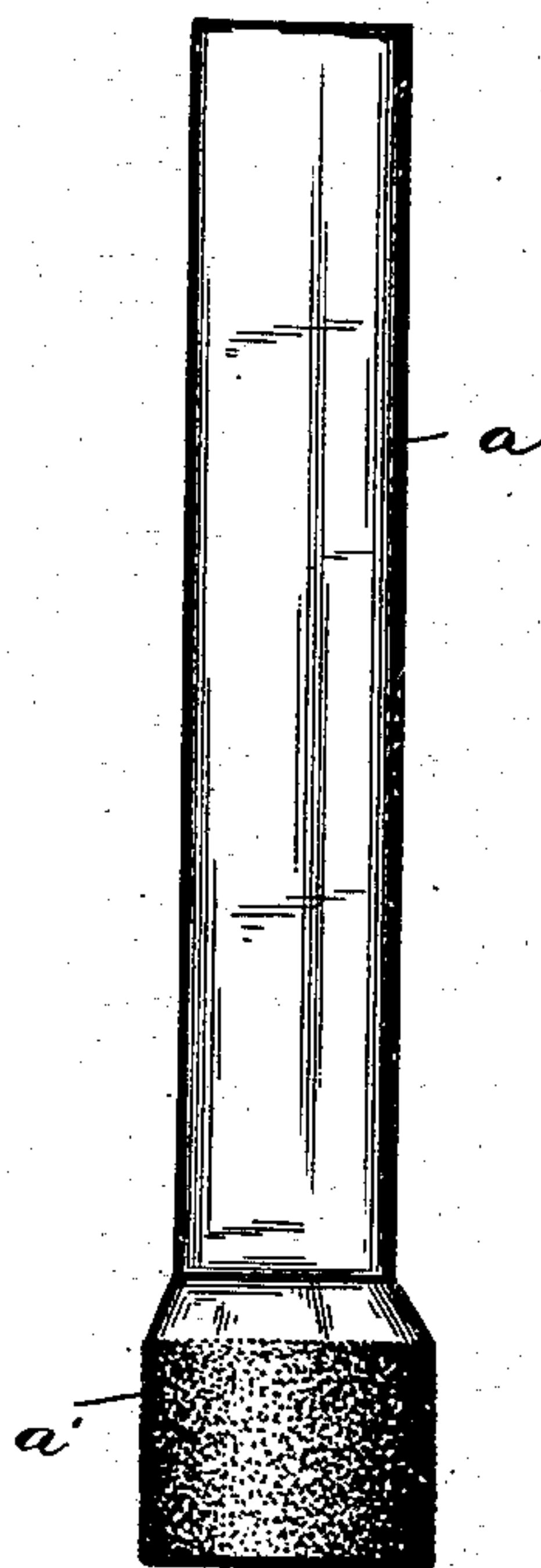
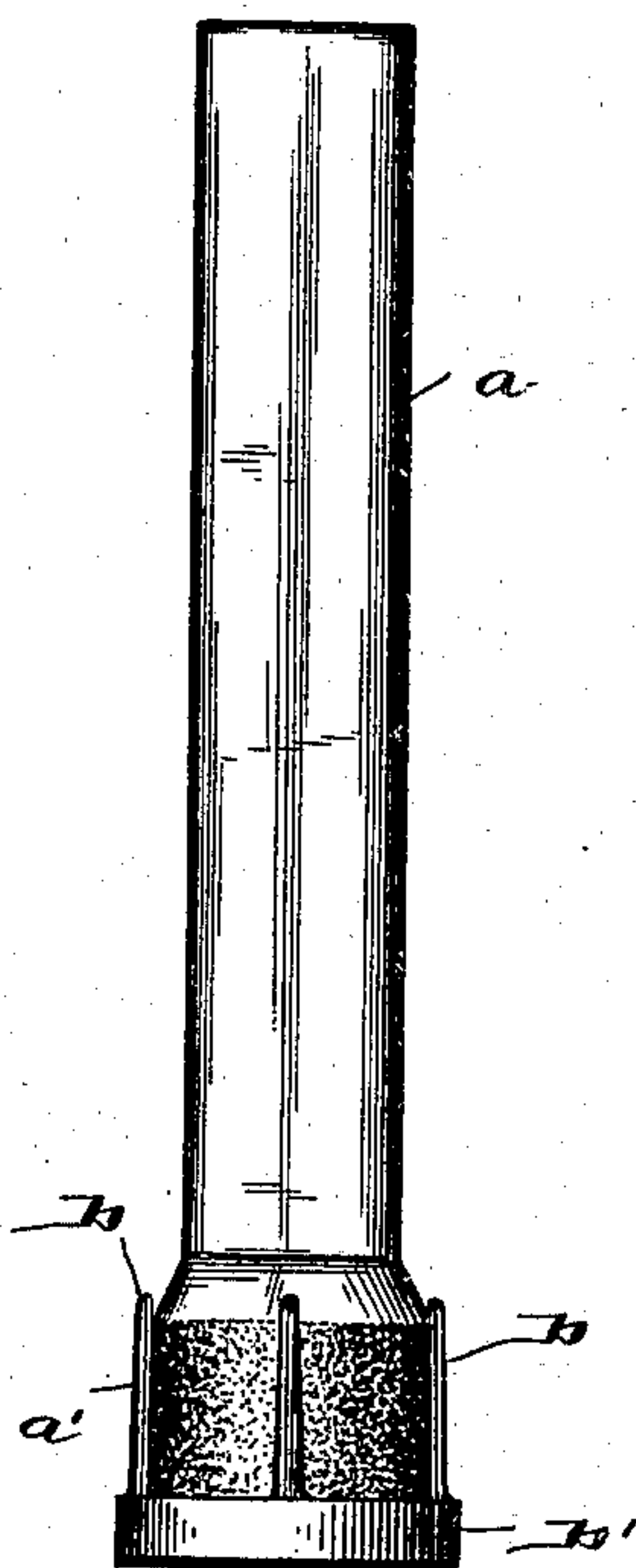
E. HAMMOND.  
LAMP CHIMNEY.

No. 503,720.

Patented Aug. 22, 1893.

FIG. 1.

FIG. 2.



Witnesses

H. B. Neely.

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# UNITED STATES PATENT OFFICE.

EMMA HAMMOND, OF PHELPS, NEW YORK.

## LAMP-CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 503,720, dated August 22, 1893.

Application filed January 3, 1893. Serial No. 457,087. (No model.)

*To all whom it may concern:*

Be it known that I, EMMA HAMMOND, a citizen of the United States, residing at Phelps, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Lamp-Chimneys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to ordinary glass chimneys used for oil, or other lamps, or burners, to hold them steady when set in the usual metal clamp-holders forming a part of all lamps.

The object of this invention is to prevent constant breakage caused by oscillation, "wabbling," or tipping when the lamp is changed in position, carried by hand from place to place or from room to room, and the invention consists in roughening the lower (usually enlarged) part or base of such glass chimneys, so that the roughened surface will "bite" against the clamps or holders and thus prevent any movement from the perpendicular; all as fully hereinafter explained.

In the drawings: Figure 1, is an elevation of a glass chimney showing the lower part roughened; Fig. 2, same, setting in its socket.  $a$  represents the chimney and  $a'$  the lower part roughened by grinding, or other convenient process, so that all the usual smoothness is gone, presenting a rough surface, the innumerable projecting points thereof coming in contact with the inner smooth edges or surfaces of the clamps  $b, b$ , of the holder  $b'$ , whereby a frictionless surface is presented by the glass, thus preventing tipping in any direction when the lamp is handled, preventing also smoking the glass, or its falling and consequent destruction.

Glass chimneys as now made are usually

smooth throughout, and unless the clamps are very tight, which is seldom the case especially in cheap lamps, any movement of the lamp is apt to cause their tipping and consequent marring or breaking; especially is this so with hand lamps extensively used in places where gas is not to be had, causing inconvenience and considerable expense in a year.

No additional expense is added by my improvement, as the cost must be infinitesimal in any quantity manufactured. As only the lower part  $a'$  is thus treated, it does not interfere in the slightest degree with the brilliancy of the light.

I am aware that globes, shades, &c., are made wholly or in part of ground glass, but only to soften light. I am also aware that specially constructed chimneys with grooves or corrugations and corresponding clamps or rims have been made, but such I do not claim, but a glass chimney having an even or non-corrugated base the exterior of which is roughened for the purpose of giving stability to its position in the ordinary socket I believe to be new.

I claim—

1. A glass chimney for lamps and burners having the surface of the lower part  $a'$  even and roughened, substantially as and for the purpose specified.

2. In combination with the socket or holder  $b'$  and clamps  $b, b$ , of a burner, the glass chimney  $a$ , the base  $a'$  of which is of even contour but roughened or ground upon its exterior surface substantially as and for the purpose hereinbefore set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EMMA HAMMOND.

Witnesses:

S. SOUTHWORTH,  
E. H. HAMMOND.