

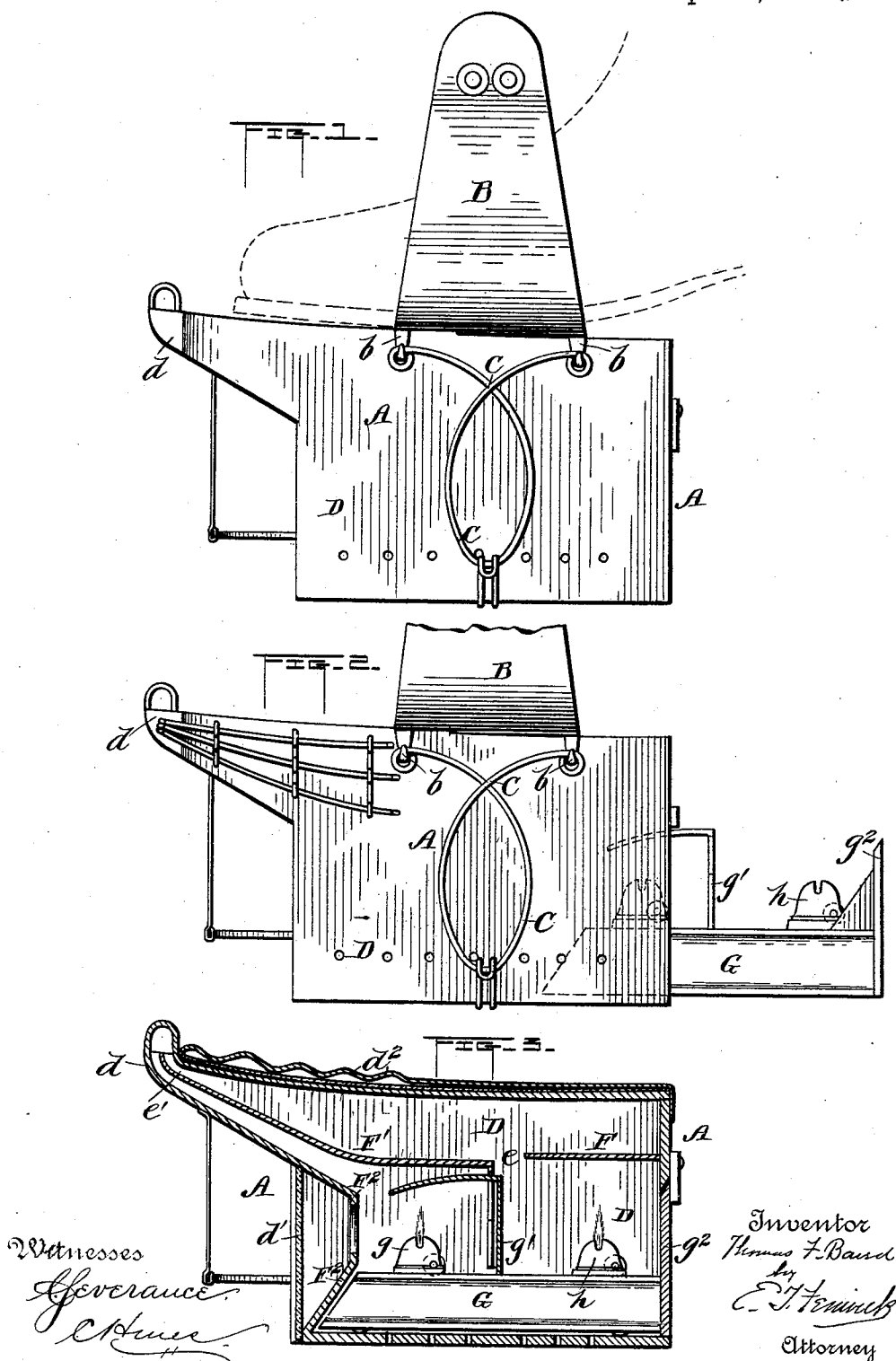
(No Model.)

T. F. BAIRD.

COMBINED STIRRUP LANTERN AND FOOT WARMER.

No. 482,219.

Patented Sept. 6, 1892.



UNITED STATES PATENT OFFICE.

THOMAS FRANKLIN BAIRD, OF GASBURG, VIRGINIA.

COMBINED STIRRUP-LANTERN AND FOOT-WARMER.

SPECIFICATION forming part of Letters Patent No. 482,219, dated September 6, 1892.

Application filed May 2, 1892. Serial No. 431,516. (No model.)

To all whom it may concern:

Be it known that I, THOMAS FRANKLIN BAIRD, a citizen of the United States, residing at Gasburg, in the county of Brunswick and State of Virginia, have invented certain new and useful Improvements in a Combined Stirrup-Lantern and Foot-Warmer; 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.

My invention relates to a combined stirrup-lantern and foot-warmer which can readily be attached to and detached from a stirrup; and it consists in certain novel constructions, combinations, and arrangements of parts, as will hereinafter be described and claimed, whereby the device may be used as either a stirrup-lantern and foot-warmer or a lantern or foot-warmer.

In the accompanying drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a similar view, but with the lamp burners and reservoir partly withdrawn from the outer housing or casing. Fig. 3 is a vertical longitudinal section of the invention, showing the interior construction and arrangement of the different parts; and Fig. 4 is a top view of the intermediate partition, showing clearly the slide and means for operating the same.

A in the drawings represents my improved stirrup-lantern, which may be used simply as a stirrup-lantern or a foot-warmer, or as a combined lantern and foot-warmer, the said invention being adapted to be readily attached to and detached from a stirrup, as will be hereinafter described. The stirrup B may be of ordinary construction and provided at the outer lower corners of its foot portion with attaching-hooks *b*, over which eyes formed in the upper end of springs C are passed, the lower ends of the springs, which are bent to the form of a crossed loop, being secured over a hook *b* near the lower edge of the bottom of the lantern-case D. The bottom portion of the stirrup may be perforated, if desired, to allow the heat from the lamp to pass more readily through the same. The exterior of the lantern-case is preferably rectangular throughout most of its body portion and provided at its front upper end with a forward and upwardly extending chimney and foot-

support *d*, open at its forward end for the passage of smoke. The case is also perforated on its sides and bottom for the inlet of air, open at its rear end for the insertion of a suitable lamp, and provided at its front end with a glass *d'*, through which light from the lamp can be readily seen. The top surface of the lantern-case may be lined with fireproof material, and on top of this is placed a sheet of thin metal *d''*, which is corrugated at its toe or chimney end, as shown. This roughened surface enables a rider to hold his foot steadily in position on the same. The glass in front is protected from accidental breakage by a guard, as shown, and the sides of the chimney *d* may also be provided with a guard to prevent the horse being touched and burned by the same when in a heated condition. On the interior of the case, a little below the top, partitions F F' are provided forming a space for heated air between the partitions and the top of the case, which communicates with the outlet at the end of the chimney. A passage *e* is left between the two ends of the partitions and a space *e'* between the partition F' and the under side of the chimney extension *d* for the passage of heat and particles of combustion. The case may also be provided on its inside, near its front, with a perforated somewhat flaring partition F², through which the light shines and by which it is more or less diffused.

G represents a lamp having a suitable reservoir and preferably two burners *g* and *h*, which is adapted to be placed in the lantern-casing through the rear open end of the same. The lamp is formed with a high rear extension *g''*, which when the lamp is in place closes the opening at the rear end of the case and is held in place by an ordinary bottom, as shown.

About midway of the length of the lamp-reservoir and in rear of the front lamp *g* is a partition *g'*, which is preferably polished to serve as a reflector, and also to prevent the light from the rear lamp *h* being seen through the glass at the front of the lantern. From this construction it will be seen that the rear lamp is never used as an illuminator, but simply as a heater, while the front lamp may be employed to give both light and heat.

When it is desired to use the device simply as a stirrup-lantern and not a foot-warmer, the

front lamp *g* only is lighted. This would generally be the way in which the device would be employed on dark warm nights.

When it is desired to use the invention as a foot-warmer alone, only the rear lamp is lighted and the heat allowed to come in direct contact with the top of the lantern-case. This arrangement would be found very convenient for riding in the daytime in cold weather.

When the invention is to be employed as a combined stirrup-lantern and foot-warmer, both lanterns are lighted.

By my simple construction of the different parts of the device it can be readily attached to and detached from a stirrup and the lamp readily removed, filled, cleaned, or repaired, as circumstances may require.

What I claim as my invention is—

1. The combination of a riding-stirrup, a lantern-case, and a removable reservoir-lamp having two burners, and a vertical partition between the said burners, whereby the combined stirrup-lantern and foot-warmer can be

used alternately as a lantern or a foot-warmer, or as a foot-warmer and lantern at the same time, substantially as described.

2. The combination of a riding-stirrup, a lantern-case formed with a forwardly-extending chimney portion upon which the foot of the rider is adapted to rest, and a removable reservoir-lamp having two burners and a vertical partition between the burners, the front surface of the said partition being silvered or polished to form a reflector, substantially as described.

3. The combination of a riding-stirrup, a lantern-case roughened on its top surface and formed with a forward-extending foot-support which serves as a conductor for the heat, suitable guards on said case, and a removable reservoir, substantially as described.

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

THOMAS FRANKLIN BAIRD.

Witnesses:

W. H. VALENTINE,
H. T. CLARY.