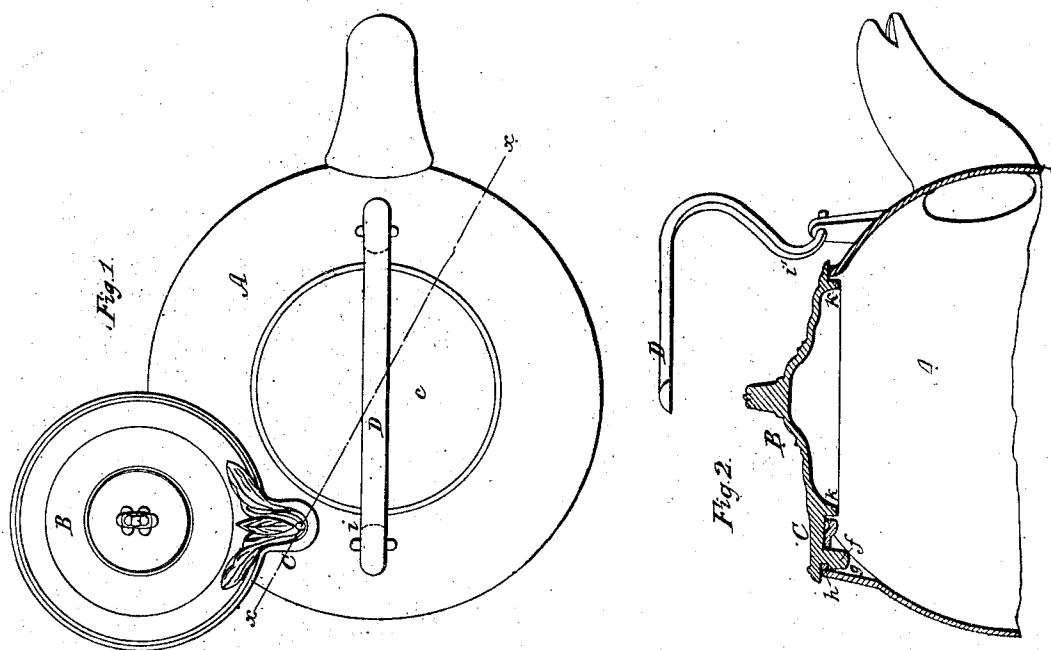
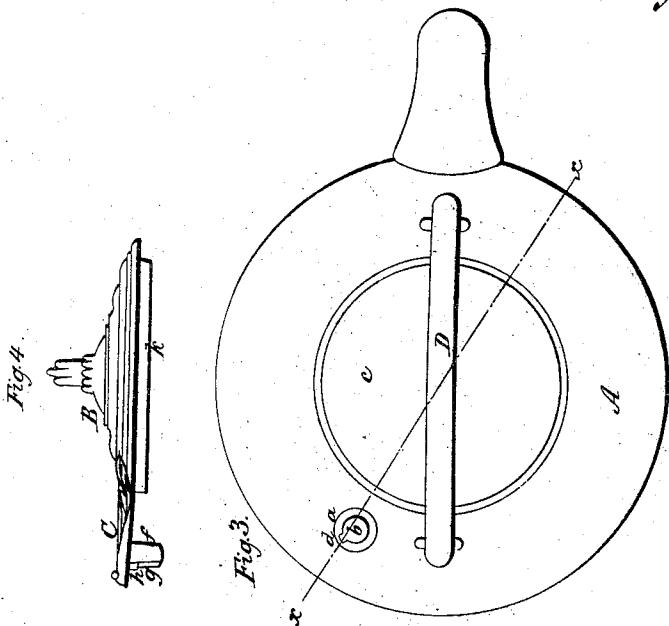


J. A. GOWEY,

Tea Kettle.

No. 35818.

Patented July 8, 1862.



Witnesses.

H. F. Osgood.

D. C. Johnson.

Inventor.

John A. Gowey
by J. Fraser & Co.
Atty.

UNITED STATES PATENT OFFICE.

JOHN A. GOEWEY, OF ALBANY, NEW YORK.

IMPROVEMENT IN TEA-KETTLES.

Specification forming part of Letters Patent No. 35,818, dated July 8, 1862.

To all whom it may concern:

Be it known that I, JOHN A. GOEWEY, of Albany, in the county of Albany and State of New York, have invented a new and useful Improvement in Attaching the Covers of Tea-Kettles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a plan of a tea-kettle with the cover attached in my improved manner, and showing the cover open; Fig. 2, a central vertical section of a portion of the same with the cover closed, the plane of section being indicated by the line x x , Fig. 1; Fig. 3, a plan of the tea-kettle with the cover removed and representing the socket or hole in which the stem or pivot of the cover fits; Fig. 4, an edge view of the cover, showing more particularly its stem and flange.

Like letters designate corresponding parts in all the figures.

The object of my invention is attaching the cover having a side movement horizontally around an axis to a tea-kettle in such a manner otherwise than by ordinary riveting that its flange will fall into the opening of the kettle, so as to prevent it from accidentally falling open, and rendering the joint tighter, and also so that when the bail is secured in its place the cover cannot be removed from its fastening without first removing the bail.

The tea-kettle A is of ordinary shape and construction, with the exception of the seat a , on which the rear bearing of the cover rests, and the socket or hole b , in which fits the stem or pivot of the cover. The seat is made a plane surface on top, but usually inclining upward as it extends backward from the direction of the spout, as represented in the section, Fig. 2, so that when the cover is turned away from the opening c of the tea-kettle it gradually rises, and when turned over the opening it falls sufficiently to allow the flange of the cover to fit into its place. The socket or hole b is of a shape somewhat similar to that of the key-hole of a lock, having a circular opening of suitable size in front, and a notch, d , in the rear substantially of the shape shown in Fig. 3. This socket is situated at a suitable distance from the opening of the tea-kettle for the cover to fit properly.

The cover B of the tea-kettle is of the usual shape in its front and main portion, but the rear thereof forms a projection, C, for furnishing a bearing to fit on the seat a of the tea-kettle, and a stem or pivot for fitting in its socket. This stem or pivot f projects vertically from the bottom of the projection in a position relating to the cover corresponding with the socket b . It is of suitable length for the purpose designed, and of the same shape in horizontal section as the socket which it fits, being provided at its rear side with a lug or projection, g , corresponding in form with the notch d . This lug is cut away at its top, as represented at h , Figs. 2 and 4, a distance a little greater than the vertical thickness of the metal forming the seat a , so that when the stem is fitted in its socket and turned the edge of the metal shall rest in the open space, with suitable play vertically for the cover.

The cover is secured in place by inserting its stem in the socket before the bail D of the tea-kettle is applied. This is easily done, as the ear of the bail presents no impediments; but the position of the socket in relation to the bail is such that when the latter is in place its curved end i , which forms the bearing fitting in the ear, (shown by dotted lines, Fig. 1,) prevents the cover from being turned sufficiently to remove the stem from its socket. Thus the lug g , by holding under the edge of the metal, prevents the cover being removed from the tea-kettle, while at the same time it does not interfere in the least with its free turning motion. The cover thus used in connection with the bail is always retained in place and is in no danger of falling off.

In addition to the advantages above described, when the cover is brought in position over the opening c of the tea-kettle the action is such, the stem having proper play in the socket, that its ordinary flange k falls and fits into its seat in the usual manner of a removable cover. By this means the cover forms a nearly steam-tight joint and is always retained in place, so that there is no danger of its falling on one side and scalding the hand of the person using the tea-kettle by the hot steam. This is a great advantage over covers turning horizontally around an axis and riveted in the usual manner, for in such devices the flange k cannot be used, the covers (which are made

with a flat under surface) merely moving over and covering the opening, and thereby leaving a loose joint, having a liability to fall to one side by the accidental turning of the kettle, whereby the hand of the operator is subject to scalding by the hot steam. However closely such a cover may be made to fit at first, its ordinary rivet soon wears loose, so that it will not retain its position with any degree of safety. By my improved arrangement all these difficulties are obviated. This arrangement enables the cover to be fitted entirely by casting, the lug only being filed at the upper end, and thus the expense is greatly lessened.

I am aware that covers have been pivoted to tea-kettles by riveting and by other means, so as to open and close by turning horizontally on such axis; but this simply I do not claim; but

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the stem *f* and socket *b* with the flange *k* of the tea-kettle cover, so arranged that when the cover has moved over the opening in the kettle the flange *k* will fall therein, substantially in the manner and for the purposes herein described.

2. Attaching the cover to the tea-kettle by means of the stem *f* and socket *b* in such a manner that when the bail *D* is raised it cannot be removed from its place, substantially as herein described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JOHN A. GOEWHEY.

Witnesses:

WM. J. SHANKLAND,
N. S. PARKHURST.