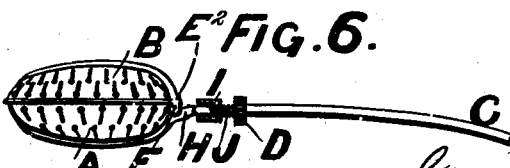
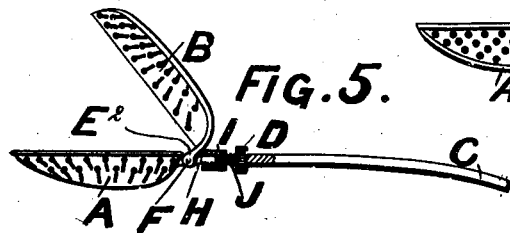
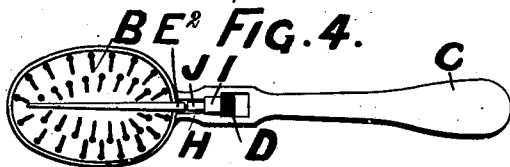
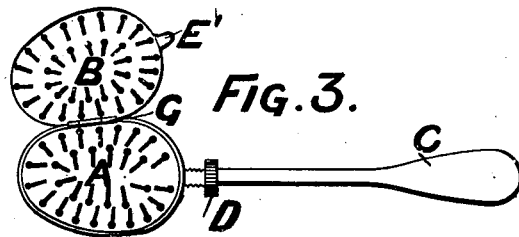
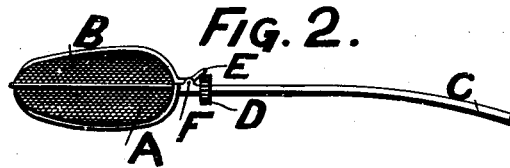
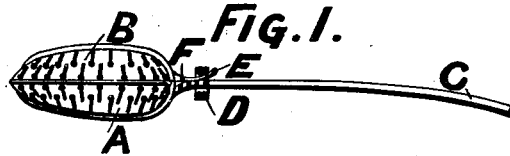


(No Model.)

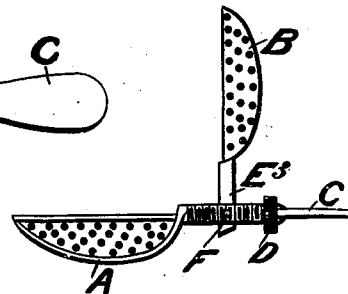
G. GRAY.  
SPOON.

No. 453,972.

Patented June 9, 1891.



**FIG. 7.**



Witnesses:  
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# UNITED STATES PATENT OFFICE.

GEORGE GRAY, OF LONDON, ENGLAND.

## SPOON.

SPECIFICATION forming part of Letters Patent No. 453,972, dated June 9, 1891.

Application filed December 18, 1890. Serial No. 375,121. (No model.) Patented in England April 12, 1890, No. 5,594.

*To all whom it may concern:*

Be it known that I, GEORGE GRAY, a subject of the Queen of Great Britain, residing at Bloomsbury, in the city of London, England, have invented certain new and useful Improvements in Spoons, (for which I have obtained Letters Patent in Great Britain, No. 5,594, dated April 12, 1890,) of which the following is a full, clear, and exact specification.

This invention has for its object to provide a novel spoon, specially designed for producing tea or coffee; and it consists in the features of construction and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of a spoon constructed in accordance with my invention. Fig. 2 is a similar view showing a modified arrangement. Fig. 3 is a plan view of another modification showing the spoon-bowls in their open position. Fig. 4 is a plan view of another modification. Fig. 5 is a sectional side elevation of the same, showing the pivoted spoon-bowl in its open position. Fig. 6 is a sectional side elevation of the same, showing the pivoted spoon-bowl in its closed position; and Fig. 7 is a side elevation of another modification, showing the pivoted spoon-bowl in its open position.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, where—

The letters A and B indicate a pair of perforated or foraminous spoon-bowls, and C the spoon-handle to which the shank E of the spoon-bowl is pivoted by a pivot-pin F in such manner that the pivoted spoon-bowl can swing to and from the spoon-bowl, which is rigid with the spoon-handle. The shank E is extended past the pivot-pin F and projects through an adjustable collar D, mounted upon and carried by the spoon-handle C in juxtaposition to the two spoon-bowls. The shank E is slightly curved and the adjustable collar is internally screw-threaded to engage a screw-threaded portion of the spoon-handle in such manner that by adjusting the collar toward the two spoon-bowls such collar acts upon the

shank in advance of its pivot-pin F, and thereby retains the pivoted spoon-bowl in its closed position upon the spoon-bowl, which is rigid with the handle. By adjusting the collar D in the reverse direction it is caused to act upon the curved portion of the shank E, and thereby serves to tilt the pivoted spoon-bowl B to its open position.

The spoon constructed as described is particularly designed for producing tea or coffee by placing the tea or coffee between the two spoon-bowls and then holding the pivoted bowl in its closed position by the adjustment of the collar D, as above explained, after which boiling water is poured into the cup or vessel, into which the charged spoon has been previously placed. It will be obvious, however, that the spoon can be utilized for other purposes of a similar nature.

In Fig. 1 the shank E projects through the adjustable collar, and the latter is adjustable by means of its screw-threaded connection with the spoon-handle C; but in Fig. 2 the collar D simply slides upon the spoon-handle C and bears against the under side of the shank E in such manner that when the collar is adjusted toward the spoon-bowl such collar retains the pivoted spoon-bowl B in its closed position upon the spoon-bowl A, which is rigid with the spoon-handle, while by moving the collar in the reverse direction the shank E is released, and consequently the pivoted spoon-bowl can swing to its open position.

In Fig. 3 the adjustable collar D is constructed the same as described with reference to Fig. 1, in that it has a screw-threaded connection with the spoon-handle C; but the spoon-bowl B is pivoted by pivot-pin G to one edge of the spoon-bowl A, and such pivoted spoon-bowl is provided with a laterally-projecting shank E', so constructed and arranged that when the pivoted spoon-bowl is in its closed position the adjustable collar can be moved over the shank, and thereby retain the pivoted spoon-bowl in position on the spoon-bowl which is rigid with the handle.

In Figs. 4, 5, and 6 the spoon-bowl B is provided with a shank E<sup>2</sup>, having its extremity pivoted to the spoon-handle by a pivot-pin F, and the spoon-handle is constructed with a boss or sleeve I, having an internal screw-



thread, with which engages the screw-threaded shank J of the collar D, so that by turning the collar in the proper direction the screw-threaded shank is advanced to bear against the shank E<sup>2</sup>, whereby the pivoted spoon-bowl is held in its closed position.

In Fig. 7 the spoon-bowl B is provided with a shank E<sup>3</sup>, pivoted by a pivot-pin F in a slotted part of the spoon-handle C, which slotted part is screw-threaded for the adjustment of the screw-threaded collar D, so that when the spoon-bowl B is closed upon the spoon-bowl A the collar D can be adjusted over the shank E<sup>3</sup> for the purpose of retaining the pivoted spoon-bowl in its closed position.

In the several constructions described the spoon comprises a pair of perforated or foraminous spoon-bowls, one of which is pivoted and constructed with a shank, with which is adapted to engage an adjustable device or collar mounted upon and carried by the spoon-handle for the purpose of locking the pivoted spoon-bowl in its closed position, whereby tea, coffee, or other material introduced therein for the purpose of producing tea, coffee, or other mixtures.

Having thus described my invention, what I claim is—

1. As an improved article of manufacture, a tea and coffee spoon consisting of a handle, a pair of perforated spoon-bowls, one of which is pivoted and provided with a shank, and an adjustable device mounted upon and carried by the spoon-handle and movable into engagement with the shank of the pivoted spoon-bowl for the purpose of locking it in its closed position, substantially as described.

2. A tea and coffee spoon consisting of a handle, a pair of perforated spoon-bowls, one of which is pivoted and provided with a shank, and an adjustable collar mounted upon and carried by the spoon-handle and movable into engagement with the shank of the pivoted spoon-bowl for retaining it in its closed position, substantially as described.

In witness whereof I have hereto signed my name, in the presence of two subscribing witnesses, this 27th day of November, 1890.

GEORGE GRAY.

Witnesses:

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*Patent Agent,*

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