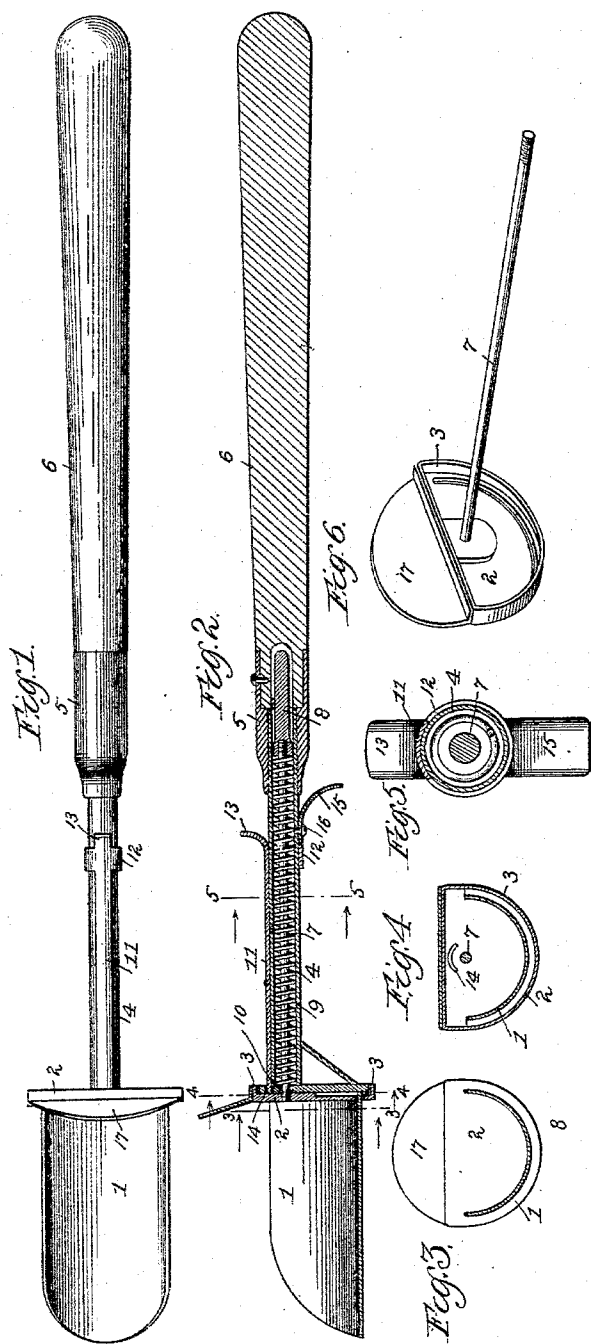


(No Model.)

J. STAREN.
SPOON OR ANALOGOUS ARTICLE.

No. 511,100.

Patented Dec. 19, 1893.



Witnesses.
Wm. N. Rheem.
Wm. J. Fleming.

By

Inventor.
Joseph Staren
Wm. Johnson atty.

UNITED STATES PATENT OFFICE.

JOSEPH STAREN, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO ALBERT P. WHITFORD, OF SAME PLACE.

SPOON OR ANALOGOUS ARTICLE.

SPECIFICATION forming part of Letters Patent No. 511,100, dated December 19, 1893.

Application filed February 6, 1893. Serial No. 461,202. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH STAREN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spoons or Analogous Articles; 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 improvements in spoons, and analogous articles.

The invention consists in the novel combination, construction and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, in which—

Figure 1 is a top or plan view of my improved spoon. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a transverse section taken on the line 3. 3. of Fig. 2. Fig. 4 is a transverse section taken on the line 4. 4. of Fig. 2. Fig. 5 is an enlarged transverse section taken on the line 5. 5. of Fig. 2. Fig. 6 is a detached perspective view of the slide plate, shield, and wire or rod attached thereto.

In the drawings 1 designates the bowl or body carrying part of the spoon or article and which is formed of any suitable material adapted for the use or purpose for which the spoon or article is, or may be designed.

2 is the sliding plate which is perforated to fit the bowl or body of the article as shown and is adapted to slide thereon; said slide plate is provided with a flange 3 upon its outer edge which incloses or surrounds the back end plate of the spoon bowl to prevent the material substance from getting between the slide plate and said back end plate when the spoon is being inserted into said material substance.

4 is a tubular shank one end of which is solidly attached to the back end plate of the spoon bowl, and the other end of which is provided with an external screw thread by which the socket or ferrule 5 attached to the handle 6 is secured thereto.

7 is a wire or rod, one end of which is solidly attached to the slide plate and the other end of which is provided with a screw thread by which it is coupled or connected to the ex-

tension rod 8. The connected end of said extension rod is made to fit, and to slide freely within the tubular stem attached to the spoon bowl and is adapted to form a shoulder for the spiral spring 9 to abut against. The said back end plate of the spoon bowl is provided with a perforation 10 through which the said wire or rod attached to the slide plate is inserted and adapted to slide. The portion of said back end plate between the inner walls or periphery of the said tube and said perforation is adapted to form an abutment for the lower or opposite end of said spiral spring.

11 is a slide bar provided with a band 12 through which said tubular stem is inserted and upon which it is adapted to slide. Said slide bar is also provided with a thumb projection 13, at its upper end, by which it is moved upon said tube and the lower end of said slide bar is inserted through the perforation 14, in the back end plate of the spoon bowl, and is adapted to push, or move said slide plate in said bowl, when pressed down through said perforation.

15 is a finger rest or support attached to the under side of said tube, by means of the screw 16, and is adapted to prevent the hand from slipping upward upon the handle, in pushing down the sliding parts, against the resistance or work of removing the substance from the spoon or article, and in the compression of the spring during said operation.

17 is a shield plate, solidly attached to or formed integral with said slide plate, and is adapted to prevent the substance or material from being carried over the top of said slide plate, and to more effectually clear, or remove all of said substance from the spoon.

It will be observed that the construction and arrangement of the parts, are such, that said parts may be readily taken apart to be thoroughly wiped and cleaned. The handle is screwed to the tubular stem from which it may be quickly unscrewed, and the extension end of the wire or rod is screwed to said wire or rod, and extends out beyond the end of the tubular stem, to adapt it to be unscrewed from said wire, or rod, and when thus unscrewed, the slide plate, and attached wire or rod, may be slipped or taken off at the front end of the

spoon, and the spring may be taken out of the open end of the tubular stem, and as the end of the slide bar upon the top of the tubular stem, is not attached to the slide plate, but simply rests against it, said slide bar is removed from the outer or upper end of the tubular stem, by taking out the screw which secures the finger rest to the tubular stem and removing said finger rest, and thus all of the parts will be separated.

The operation consists in pushing out the slide plate by means of the slide bar for removing the material from the spoon bowl, and which compresses the spring, the resilient action of which, returns the parts to their normal position, in which the article is adapted for its primary use.

I am aware that the device of a plate adapted to slide in the bowl of a spoon is not new, or the flexible attachment of said slide to said spoon and I do not therefore broadly claim such as my invention.

In my invention the slide plate is perforated to fit around the exposed surface of the spoon or article and in its movement thereon is adapted to clean all of said surfaces. Moreover the slide plate is held firmly to its work and cannot lift or spring up and ride upon or over a portion of the material or substance and which will thus remain attached to the spoon or article and which is obviated in my invention.

Having fully described my invention, I claim—

1. In an article the combination of the body or bowl 1 provided with the perforation 10 and also with the perforation 14, the slide plate 2 perforated and fitted to slide upon said body, and provided with the lateral flange 3 formed integral with said slide plate; the tubular

stem 4 solidly attached to said body and adapted to be removably screwed to the handle socket or ferrule; said tubular stem provided with the finger rest 15 removably attached thereto by means of the screw 16 and the push slide bar 11 movably attached to said tubular stem by means of the band 12; said slide bar provided with the thumb projection 13 and adapted to push or move said slide plate on said body, substantially as and for the purpose specified.

2. In an article of the kind described, the combination of the bowl or body 1, provided with the perforations 10 and 14; the slide plate 2 perforated and adapted to slide upon said bowl or body and provided with the exterior flange 3 and shield extension plate 17; the tubular stem 4 solidly attached to said bowl or body provided with the finger rest 15 removably attached thereto by the screw 16; the wire or rod 7 solidly attached to said slide plate; the extension rod 8 removably attached to said wire or rod; the slide bar 11 solidly attached to the band 12 and provided with the thumb projection 13; the spring 9 inserted in said tubular stem and upon said wire or rod; the handle socket or ferrule 5 adapted to be screwed to or removably attached to said tubular stem and the handle 6 solidly attached to said socket or ferrule and provided with a longitudinal perforation in the end adapted to admit a portion of the extension rod, substantially as and for the purpose specified.

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

JOSEPH STAREN.

Witnesses:

JACOB G. GROSSBERG,
LILLIAN BONNER.