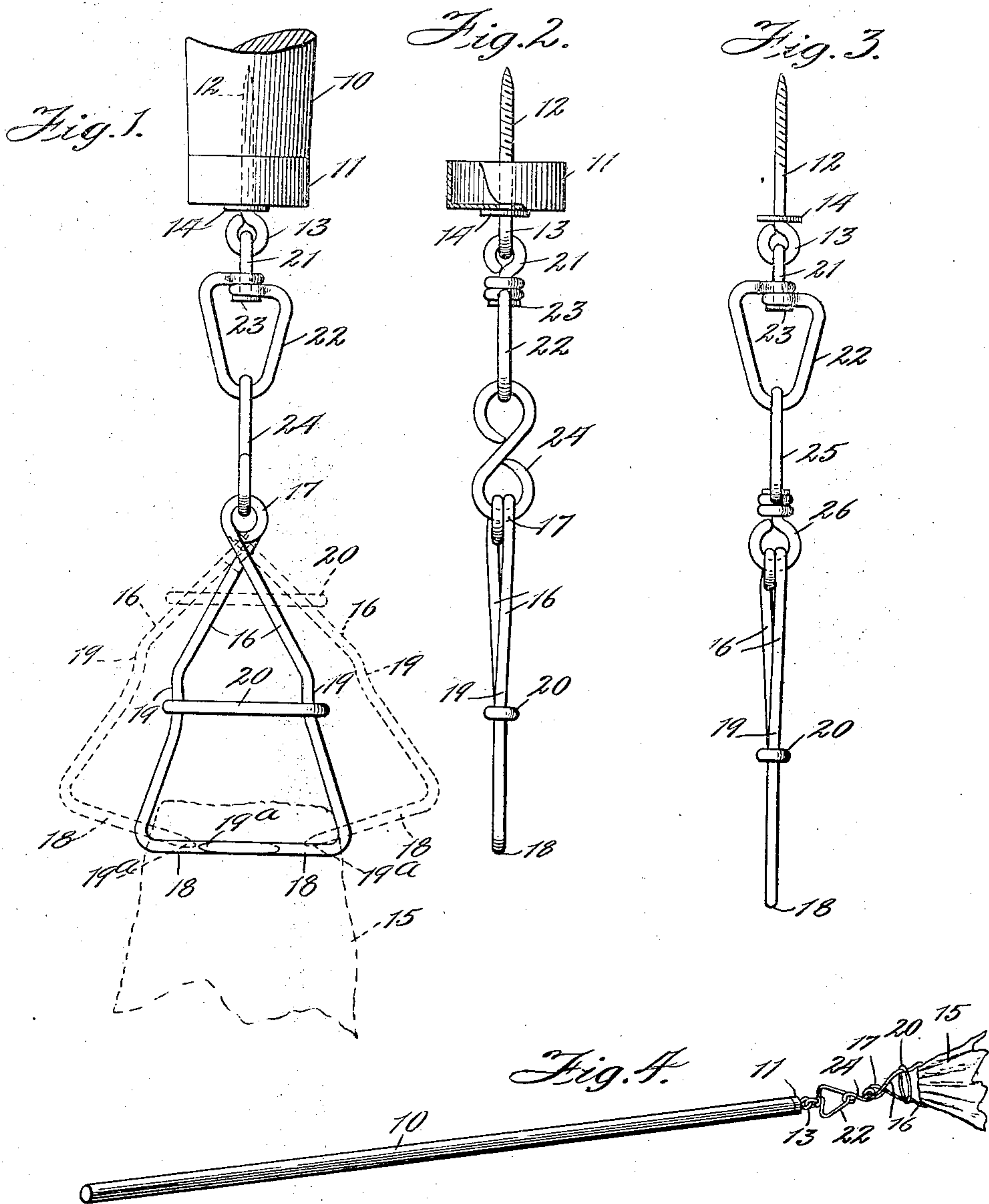


No. 890,744.

PATENTED JUNE 16, 1908.

E. WOLLGIEN.
SWAB STICK ATTACHMENT.
APPLICATION FILED MAR. 7, 1908.



Witnesses:

Ed. Perry
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UNITED STATES PATENT OFFICE.

EDUARD WOLLGIEN, OF CHICAGO, ILLINOIS, ASSIGNOR TO EDWARD KATZINGER COMPANY,
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SWAB-STICK ATTACHMENT.

No. 890,744.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed March 7, 1908. Serial No. 419,627.

To all whom it may concern:

Be it known that I, EDUARD WOLLGIEN, a subject of the Emperor of Germany, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Swab-Stick Attachments, of which the following is a specification.

This invention relates to improvements in swab-stick attachments particularly adapted for the use of bakers and the like, for the purpose of wiping out or cleaning the bottom of bakers' ovens and it is the object of the present invention to provide an improved form of attachment which will be simple, durable and cheap in construction, effective and efficient in operation, and one from which the cloth cannot become detached while in the oven, and at the same time permitting a free movement of the swab when the stick is moved back and forth.

To the attainment of these ends and the accomplishment of other new and useful objects, as will appear, the invention consists in the features of novelty in the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating the embodiment of the invention, and in which—

Figure 1 is an elevation of a portion of the swab-stick showing an attachment applied thereto constructed in accordance with the principles of this invention. Fig. 2 is an end elevation of the attachment shown in Fig. 1. Fig. 3 is a view similar to Fig. 2 of a modified form of attachment. Fig. 4 is a detail perspective view of the entire swab-stick, showing the attachment applied thereto and ready for use.

Referring more particularly to the drawing and in the present exemplification of the invention, the numeral 10 designates the ordinary swab-stick which may be of any desired length, and 11 designates a closed sleeve or ferrule which is slipped over one end of the stick. This sleeve or ferrule may be secured to the stick in any desired or suitable manner, preferably by means of a fastening device 12 in the form of a screw which is provided with an eye 13 at one extremity, and a shoulder 14 adjacent the eye, so that when the screw portion is inserted into the stick through the end of the ferrule 11, the shoulder 14 will rest against the ferrule and hold the latter against displacement.

A suitable clamp is provided for holding the cloth 15 and this clamp preferably comprises arms 16, which are connected at one extremity by means of an eye or coil 17 preferably formed by bending material which forms the arms 16 into a coil and acts as a spring for holding the arms normally separated, as shown in dotted lines in Fig. 1. The extremities of the arms 16 are deflected laterally as at 18 toward each other and are preferably pointed as at 19^a. The arms are provided with a depression or offset portion 19 intermediate their lengths and a ring or collar 20 surrounds and is supported by the arms 16. This ring or collar is adapted to be moved toward the extremities 18 of the fastening device so as to be seated in the offset or depressed portion 19 for holding the extremities 18 together to clamp the cloth and when it is desired to move the cloth the ring or collar may be moved to the position shown in dotted lines in Fig. 1 when the resiliency of the arms will permit them to be separated so as to remove the cloth. An eye-bolt 21 is connected to the eye 13 of the fastening device 12 and a link 22 is swiveled to the eye-bolt 21 by means of the extremities thereof surrounding the bolt and the extremity of the eye-bolt is enlarged or flattened as at 23 to prevent displacement of the link. A suitable link 24 may be provided for securing the clamp to the link 22 and one extremity of the link 24 is adapted to pass loosely through the eye 17 of the clamp or fastening device.

In the modification shown in Fig. 3 of the drawings, the clamp or fastening device may be swiveled to the link 22 by means of a similar link 25 which is provided with a swivel bolt 26, which is connected to the clamping device.

With this improved construction of attachment, it will be apparent that the cloth 15 will be firmly held by the clamp or fastening device and the latter being swiveled to the end of the stick, the baker may insert the cloth in the oven and move the same over the floor of the oven with a free and easy movement and at the same time it will be impossible for the cloth 15 to become accidentally detached from the swab-stick.

In order that the invention might be fully understood the details of the foregoing embodiment thereof have been thus specifically described but

What I claim as new is—

1. The combination of a swab-stick or handle, a ferrule engaging over the end of the stick, means for securing the ferrule to the stick, a swab clamp, and a flexible element having connection with the clamp and the ferrule securing means for attaching the clamp to the end of the stick.

2. The combination of a swab-stick or handle, a ferrule engaging over the end of the stick, means for securing the ferrule to the stick, a swab clamp, and a flexible element having connection with the clamp and the ferrule securing means for attaching the clamp to the stick, said flexible member including a swivel joint beyond its point of attachment to the stick.

3. In a device for the purpose set forth, the combination of a swab-stick or handle, a cap engaging over one end of the stick, a fastening device provided with an eye at one end and a shoulder adjacent the eye, said fastening device being adapted to be inserted into the end of the stick through the cap with the shoulder resting against the cap and with the eye extending beyond the end of the stick,

a swab-clamp, and a flexible member, one end of which is secured to the eye of the fastening device and the other end to the clamp.

4. In a device for the purpose set forth, the combination of a swab-stick, or handle, a cap engaging over one end of the stick, a fastening device provided with an eye at one end and a shoulder adjacent the eye, said fastening device being adapted to be inserted into the end of the stick through the cap with the shoulder resting against the cap and with the eye extending beyond the end of the stick, a swab clamp, and a flexible member, one end of which is secured to the eye of the fastening device and the other end to the clamp, said flexible member including a swivel joint.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 4th day of March A. D. 1908.

EDUARD WOLLGIEN.

Witnesses:

A. SWARTZ,
M. W. CANTWELL.