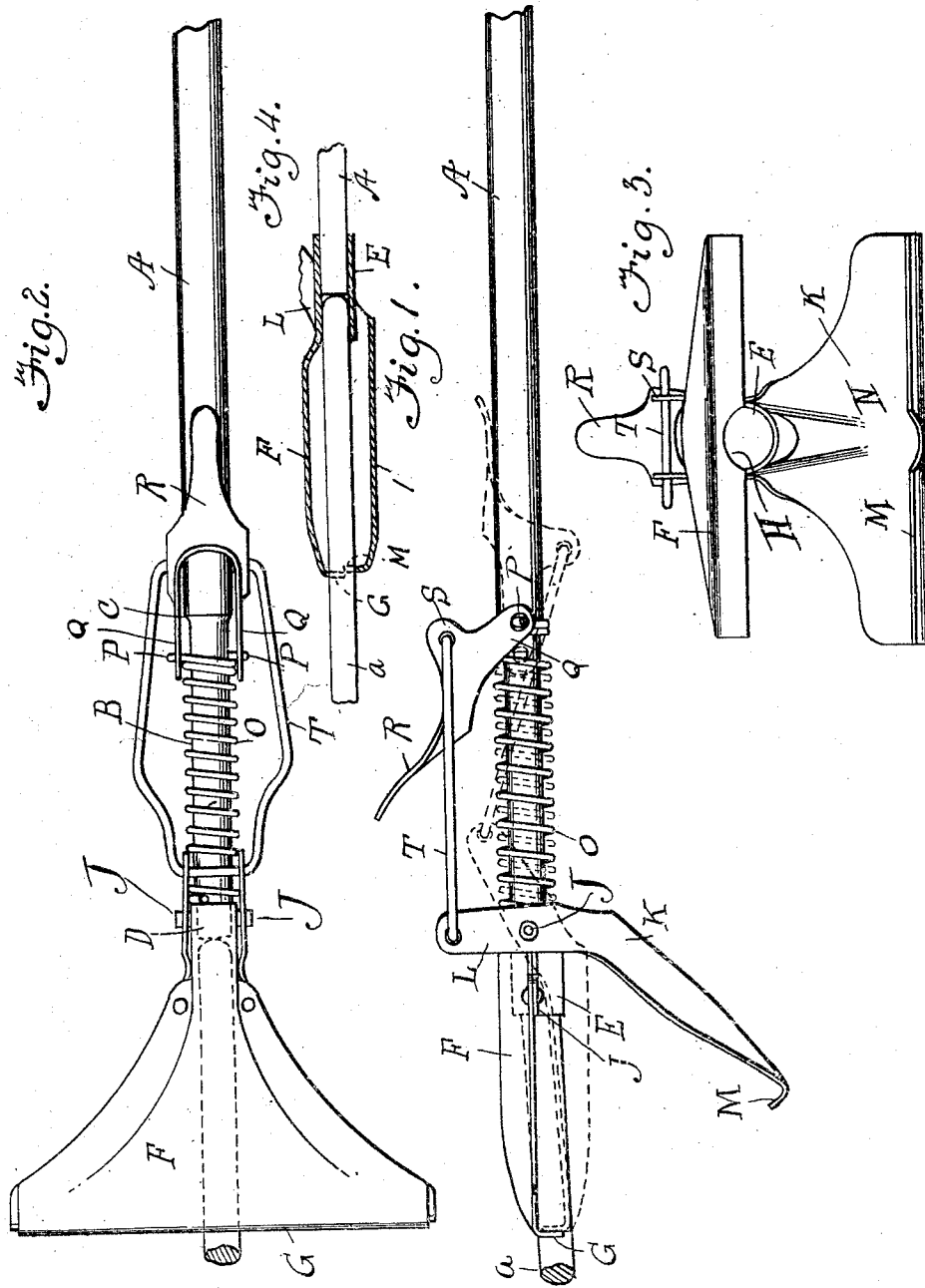


C. GABEL.
MOP HEAD.

APPLICATION FILED JAN. 21, 1910.

959,131.

Patented May 24, 1910.



WITNESSES
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UNITED STATES PATENT OFFICE.

CHARLES GABEL, OF HAWKEYE, IOWA.

MOP-HEAD.

959,131.

Specification of Letters Patent.

Patented May 24, 1910.

Application filed January 21, 1910. Serial No. 539,416.

To all whom it may concern:

Be it known that I, CHARLES GABEL, a citizen of the United States, residing at Hawkeye, in the county of Fayette and State of Iowa, have invented certain new and useful Improvements in Mop-Heads, of which the following is a specification, reference being had therein to the accompanying drawing.

My present invention relates to an improved mop head, the object of the invention being the provision of a head provided with a stationary and a pivoted jaw, and an operating lever for the pivoted jaw, said lever having a spring actuated fulcrum whereby the pivoted jaw may be brought into close proximity to the stationary jaw to grip a rag, mop or even a stick carrying a duster or cloth, before the spring device is brought into play to lock the lever against accidental displacement, the spring in reality locking the lever after the pivoted jaw has been brought as close to the stationary jaw, as the object between the jaws will permit.

To clearly understand my invention, attention is invited to the accompanying drawings, in which:—

Figure 1 is a side elevation of the mop head with the jaws open, dotted lines showing it closed. Fig. 2 is a top plan view with the jaws closed upon a stick after locking. Fig. 3 is an end view with jaws open. Fig. 4 is a longitudinal section of the mop head, in the position it assumes when gripping a broom handle.

Referring to the drawings:—A designates a stick, which is provided with the reduced end B, providing the annular shoulder C.

My improved mop head is adapted to slip over the reduced end and be secured upon the stick, and comprises the sectional sleeve D, which fits upon the extreme end of the mop stick and provides the socket E, Fig. 4, the purpose of which will later appear. Carried by this sleeve is the stationary jaw F, which as shown is provided with the inwardly turned flange or gripping edge G, having the central notch or recess H, in line with the socket E. This sleeve or ferrule D, is secured to stick in any well known manner, and is provided with the two oppositely projecting studs J, forming fulcrums for the pivoted jaw K, which is provided with the handles or arms L, which straddle the sleeve D, and have their ends upon the side of the

sleeve opposite to the jaw K. This jaw K, is provided with the inwardly turned flange or gripping edge M, which corresponds to the edge G, of the stationary jaw, and when the jaws are together is parallel but within the edge G, as shown in Fig. 3. This edge M, is further provided with the central notch or recess N, which permits a broom handle *a* to have its end inserted in the socket E, while when the jaws are closed the notches H and N, co-act to grip the handle and with the socket E, rigidly support the broom so that ceilings and the like may be swept.

Surrounding the end B of the stick and limited in movements in both directions by the inner end of the sleeve D and the shoulder C, is a coiled spring O, at whose end near the shoulder C, I provide the two oppositely projecting studs or lugs P, which may either be formed upon the spring or upon a ring, as desired. Pivoted to these studs P, is the split end Q, of the lever or handle R, which is provided with the two ears or lugs S, which when the lever has its handle upon the mop stick is below the center line of the stick and the studs P, the purpose of which will presently appear. The pivoted jaw K is actuated by means of the lever R, through the bail T, and is securely held in clamping engagement with the jaw F, when the bail T is extended below the studs P.

To release the jaws, it is simply necessary to raise the handle to a vertical position or at right angles to the mop stick, releasing the spring, and then push the handle forward as in Fig. 1, opening the pivoted jaw and releasing the mop, rag or broom handle as desired.

With this form of mop head, the mop or rag may be picked up or released without the operator touching them with his hands. Also a strip of rubber may be inserted between the jaws for cleaning windows, and a scrubbing brush for scrubbing floors.

What I claim, as new, is:—

The combination with a mop stick, of a mop head, comprising a sleeve to fit upon the extreme end of the stick and provide a socket beyond the end of the stick and within the sleeve, a stationary jaw carried by said sleeve and having a recess in its gripping edge in line with the socket of the sleeve, another jaw pivoted to the sleeve and

having operating arms straddling the stick
and having their ends upon opposite sides
of the stick, said pivoted jaw also having a
recess in its gripping edge to co-act with the
5 recess of the stationary jaw when the jaws
are closed, a spring surrounding the end of
the stick and exerting a tension toward the
sleeve, a lever pivoted to the inner end of
the spring and adapted to move with said

spring, and a bail connecting the lever and 10
the arms of the pivoted jaw.

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

CHARLES GABEL.

Witnesses:

ANNIE BELSCHNER,
CHR. G. DAUDEL.