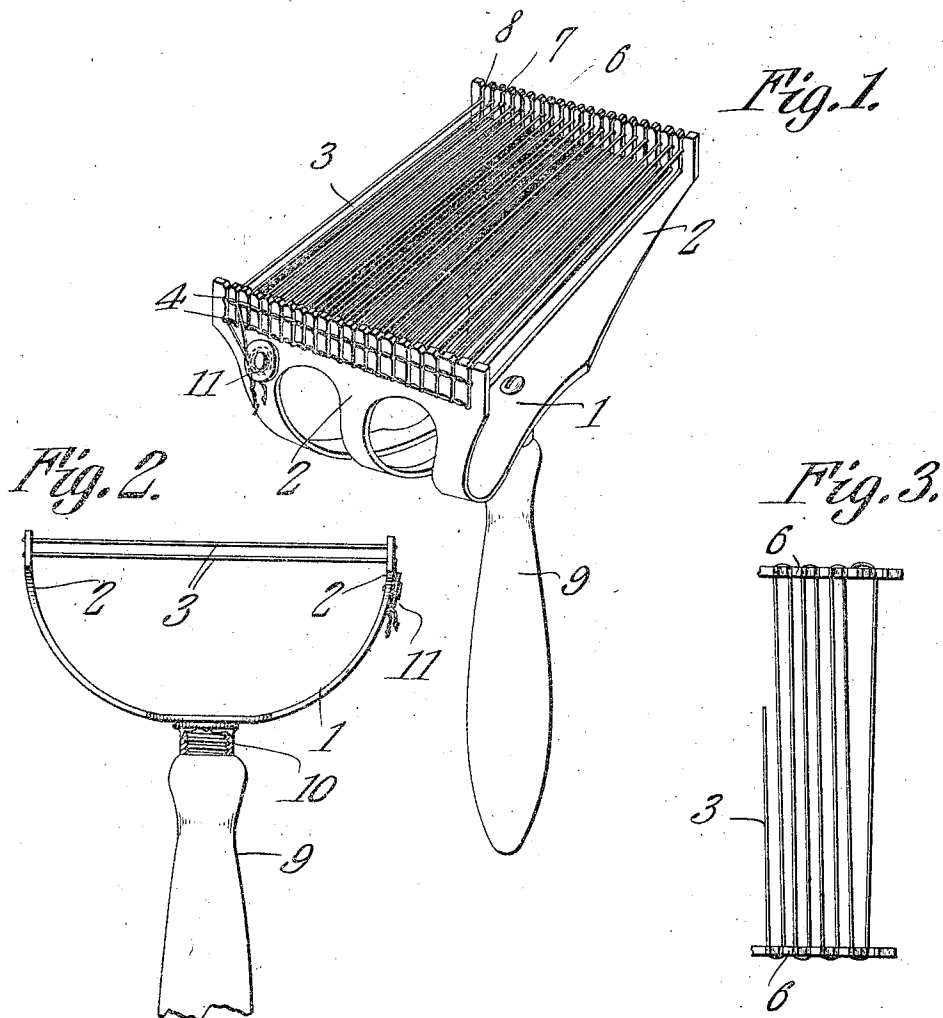


G. H. WINTER.
 COMB CLEANER.
 APPLICATION FILED JULY 6, 1909.

950,125.

Patented Feb. 22, 1910.



Witnesses
E. J. [Signature]
Charles L. [Signature]

Inventor
George H. Winter.
 By *C. A. Snow & Co.*
 Attorneys

UNITED STATES PATENT OFFICE.

GEORGE HENRY WINTER, OF CHICAGO, ILLINOIS.

COMB-CLEANER.

950,125.

Specification of Letters Patent.

Patented Feb. 22, 1910.

Application filed July 6, 1909. Serial No. 506,121.

To all whom it may concern:

Be it known that I, GEORGE H. WINTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Comb-Cleaner, of which the following is a specification.

My invention relates to improvements in comb cleaners and is designed to provide an article of this type and character which will thoroughly remove all dirt and hair accumulated between the teeth of the comb in an effective and expedient manner.

It contemplates a means whereby the cleaning member may be removed when it has become soiled and worn and a new one substituted in the place thereof.

With the above and other ends in view the invention consists in the construction, combination and arrangement of parts all as hereinafter more fully described, specifically claimed and illustrated in the accompanying drawings, wherein,

Figure 1 is a perspective view of a comb cleaner constructed after my improved method. Fig. 2 is a side elevation thereof. Fig. 3 is a plan view showing in detail, the method of securing the cleaning member to the frame.

The comb cleaner comprising the subject matter of this invention comprises a spring metal frame 1, so constructed that it forms a pair of longitudinally extending arms, 2, said arms normally bearing from each other. The cleaning member 3, of any suitable material, preferably, however, silk cord, is carried on and secured to the frame by means of a double row of cord seats 4. These said cord seats 4 are composed of a series of registering orifices, formed in each arm in two parallel tiers 7, the lower tier being connected with the upper tier and the outer edge of the arm by a passage 6, which permits the placing of the cleaning member in said cord seat. To further facilitate the securing of the cord 3 therein, each of the teeth formed by this passage 6, is tapered or beveled at its upper extremity forming a partial recess.

A handle 9 is secured to the frame by any

suitable means, shown, however, in the accompanying drawings, as a metal cap 10, attached to the frame and internally threaded to receive the lower end of the handle 9; any of the many ways now in use for securing handles to articles may be used in securing this handle to the said frame.

At the longitudinal extremity of one of the before mentioned arms and adjacent the cord seat, is provided a small rivet 11 formed in such a manner that the same will permit the cord to be held thereunder and supplies a means whereby both extremities of this said cord may be secured.

From the foregoing it can readily be seen that to place the cord on the frame the same is first wound about the rivet 11 and then carried through the foremost of the lower tier of cord seats and thence across the frame of the opposite arm to the seat registering with the aforesaid seat. In this manner the cord is carried across the intermediate space between the arms until it reaches the extremity of the arm 2, when it is carried to the upper tier and the process repeated until only the loose ends of the cord remain to be wound about the rivet, thus forming a secure and firm hold for the same, in that the spring supplied by the frame retains the cords in a taut and permanently rigid condition. The cleaning of a comb by my improved cleaner is caused by the reciprocation of the comb on the cord in such a manner that the same is interposed between the teeth thereof and thus removes all dirt, etc.

The material used in the manufacture of this comb cleaner, the style of handle and frame, etc., and the material used as a cleaning member, is not limited by my invention, it being my intention to make such minor changes in the construction as are desirable to the economy in the manufacture thereof.

Having thus fully described my invention what I claim as new and desire to secure by U. S. Letters Patent is:—

1. A comb cleaner comprising a spring frame, provided in its opposite sides with parallel registering orifices, the upper and

lower orifices in each side being connected by passages and forming a double tier of cord seats, a cord carrier in said seats, and means for securing the loose extremities of the cord.

5 2. A comb cleaner comprising a spring frame, a double tier of cord seats in each extremity of said frame, a cord carried in said seats, the upper extremity of said cord seats

being beveled and means for securing the 10 loose ends of the cord.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE HENRY WINTER.

Witnesses:

FRANK O. BOSTELMANN,
FRED KINZAL.