April 13, 1926. 1,580,841

H. MACKLER

FUR WORKING TOOL

Filed May 6, 1925

Fig. 1.

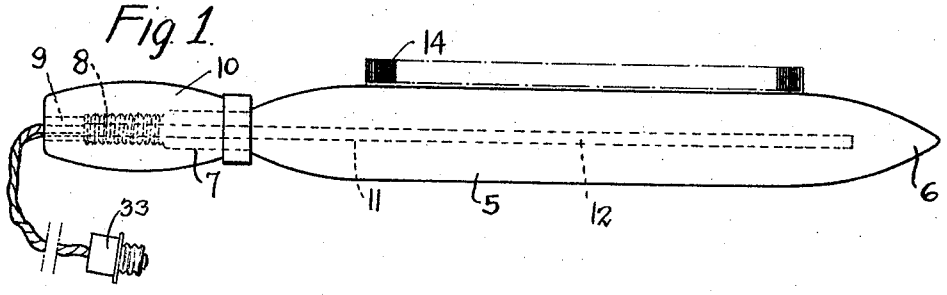


Fig. 2.

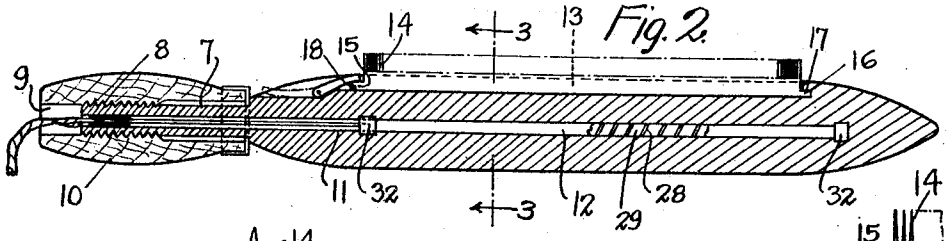


Fig. 3.

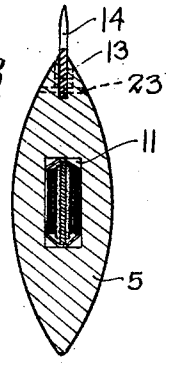


Fig. 4.

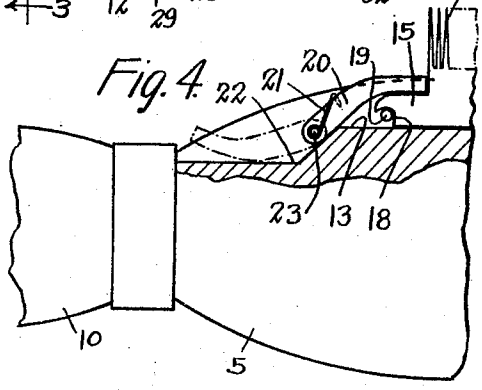


Fig. 5.

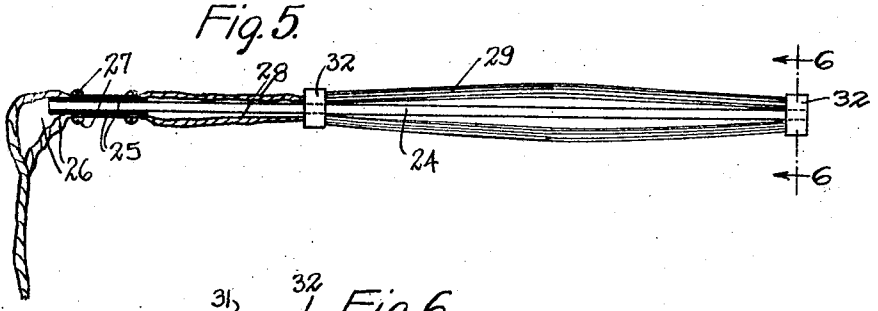
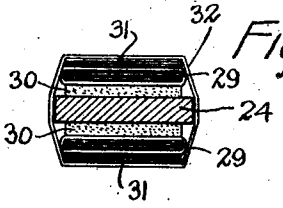


Fig. 6.



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Patented Apr. 13, 1926. 1,580,841

UNITED STATES PATENT OFFICE.

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FUR-WORKING TOOL.

Application filed May 6, 1925. Serial No. 28,527.

To all whom it may concern:

Be it known that I, HYMAN MACKLER, a citizen of the United States of America, residing at city of New York, county of New York, State of New York, have invented certain new and useful Improvements in Fur-Working Tools, of which the following is a specification.

This invention relates to tools or implements and in particular to one adapted to be used in fur working.

A particular object of the invention is to provide an implement for combing cleaning and ironing a fur garment which will not only save time but will do the work thoroughly and with a minimum expenditure of labor on the part of the worker who is using the tool.

Heretofore in the fur industry, the fur was first glazed by wetting with a brush, the brushing being done by rubbing the hair down, to clean the surface of the sane. Then the fur is combed and cleaned with a cold comb by working the fur in the wrong direction. Then the fur is ironed with a heavy hand iron. All of these steps were unsatisfactory inasmuch as the use of a cold comb did not thoroughly clean the fur or kill the vermin found therein; and the use of a heavy iron caused burning of the fur in spots, killing the hair thereby causing it to quickly rot and fall out, and all parts of the fur garment are not accessible with a heavy iron. Further, the use of the heavy iron alone slowed up the work and thereby cut production by tiring the worker.

With my improved implement the foregoing objections are done away with and in producing my implement, the work is done more speedily, every part of the garment can be treated, no parts are left unpressed or unfinished and the operator can work fast inasmuch as the tool is portable, light of weight and is electrically heated.

Referring to the drawing wherein I have shown a preferred embodiment of my invention;

Fig. 1 is a side view of the fur working implement constructed in accordance with my invention,

Fig. 2 is a longitudinal section of the implement showing the interior thereof, and the heating element,

Fig. 3 is an enlarged section taken on the line 3—3 of Fig. 2 showing the location of the heating element, and shape of the implement body in cross section;

Fig. 4 is an enlarged end view of a portion of the implement and handle to show the latch member used for retaining the comb in place,

Fig. 5 is a side edge view of the heating element and its supporting bar as seen when removed from the implement, and

Fig. 6 is an enlarged view in section taken on the line 6—6 of Fig. 5.

Referring to the drawing in detail 5 indicates the body of the implement which is shaped substantially convexo-convex and is made of light metal such as aluminum, the outer end of which is pointed as at 6 and the opposite end of which is reduced as at 7 and provided with screw threads 8 the latter of which is adapted to screw into matching threads formed in the interior bore 9 of a handle 10 which is made of wood, rubber or other heat resisting material. The body of the implement is provided with an interior bore 11 which extends substantially the length thereof, and is adapted to receive therein the heating element indicated generally by 12.

The body of the implement may be cast in one piece or it may be made in two convex pieces and I have shown it as cast in a single piece with a slot 13 cast in the upper edge thereof; the slot being adapted to receive a metal comb 14 having extended ends 15 and 16, the latter of which is adapted to fit into a cut out 17 at the end of the slot 13, while the other end 15 is provided with a notch 18 into which fits the pin 19 which is fixed in the body of the implement and which prevents longitudinal movement of the comb. In order to prevent the comb end 15 from raising I provide a latch 20 which is held in position by a spring 21, the latch being disposed in a deepened portion 22 of the end of the slot 13, and pivoted on the fixed pin 23. When the latch is swung back, the comb can be removed.

The heating element consists of a bar 24 having a layer of mica or other like insulating material 25 on the flat faces thereof to which at the end of the bar is attached the wires 26 by screws 27 the wires being suitably covered by insulation and connecting at their ends with the wires 28 which form the heating elements and which are wrapped about a suitable insulating strip

29 as seen in Fig. 6. A layer or strip of asbestos 30 and a layer of mica 31 is placed between the bar 24 and the heating element, the latter having a layer or strip of insulating material 31 on the top thereof. This arrangement is carried out on both sides of bar 24 and the heating wire is suitably joined to complete the circuit. The whole is bound at the ends to the bar 24 by the binders or rings 32. A suitable cord is used to contain the wires where they pass through the handle and the cord carries at its end an electrical plug 33, which is adapted to be used in the usual manner.

In using my improved implement the fur is first glazed with a wet brush as first described, then it is cleaned by brushing it the wrong way with the smooth edge of the implement, the same being of course heated by its heating element. Then the comb is inserted into the implement and the fur is thoroughly combed, the fur being brushed up in the wrong direction. This combing and cleaning kills vermin, and thoroughly removes all dirt thereby rendering the fur sanitary. The heated comb attracts to it the dirt and also gives the fur more action than a cold comb or implement. After the cleaning and combing the comb may be removed by operating the latch and then the fur is brushed back and forth with the flat sides of the tool. This brushing imparts a uniform appearance and luster to the fur. It is light and prevents excessive heat being applied at one place to burn the fur as is the case when a heavy hand iron is used. Also the tool makes all parts of the garment accessible for uniform and uninjured finishing. The tool being light conserves the energy of the operator thereby making for more efficient finishing of the furs.

It will be thus seen that I have provided a light efficient tool or implement, and its use and advantages will be readily apparent from the foregoing.

Having described my invention what I claim is:

1. A fur working implement comprising a smooth convexo-convex body portion having a slot therein, and a toothed member adapted to be detachably held in said slot.

2. A fur working implement comprising a body portion of convex formation, a heating element in the interior thereof, a handle on said body portion, and a toothed member removably associated with one edge of said body portion.

3. A fur working implement comprising a body portion, the sides of which are convex, and one of the meeting edges of said sides being spaced apart to form a slot, a toothed member adapted to be held in said slot and means for locking said toothed member in the slot.

4. A fur working implement comprising a metallic body portion of convexo-convex shape in cross section and having a bore therein; a heating element in said bore, said body having in one edge thereof a comb member, the comb being adapted to be heated by transfer of heat from said body portion.

5. A fur working implement comprising an elongated body member of convexo-convex shape, a handle therefor, said body having a central bore therein, a heating element in said bore whereby the body member can be heated, and a comb held in one edge of said body member and adapted to be heated by the body member.

6. A fur working implement comprising an elongated body portion having in one edge thereof a slot, a comb disposed in said slot, a latch member for locking the comb in said slot, the body portion having a bore therein, a heating element in said bore, a handle for said body portion, and a heat retaining element associated with said heating element.

HYMAN MACKLER.