

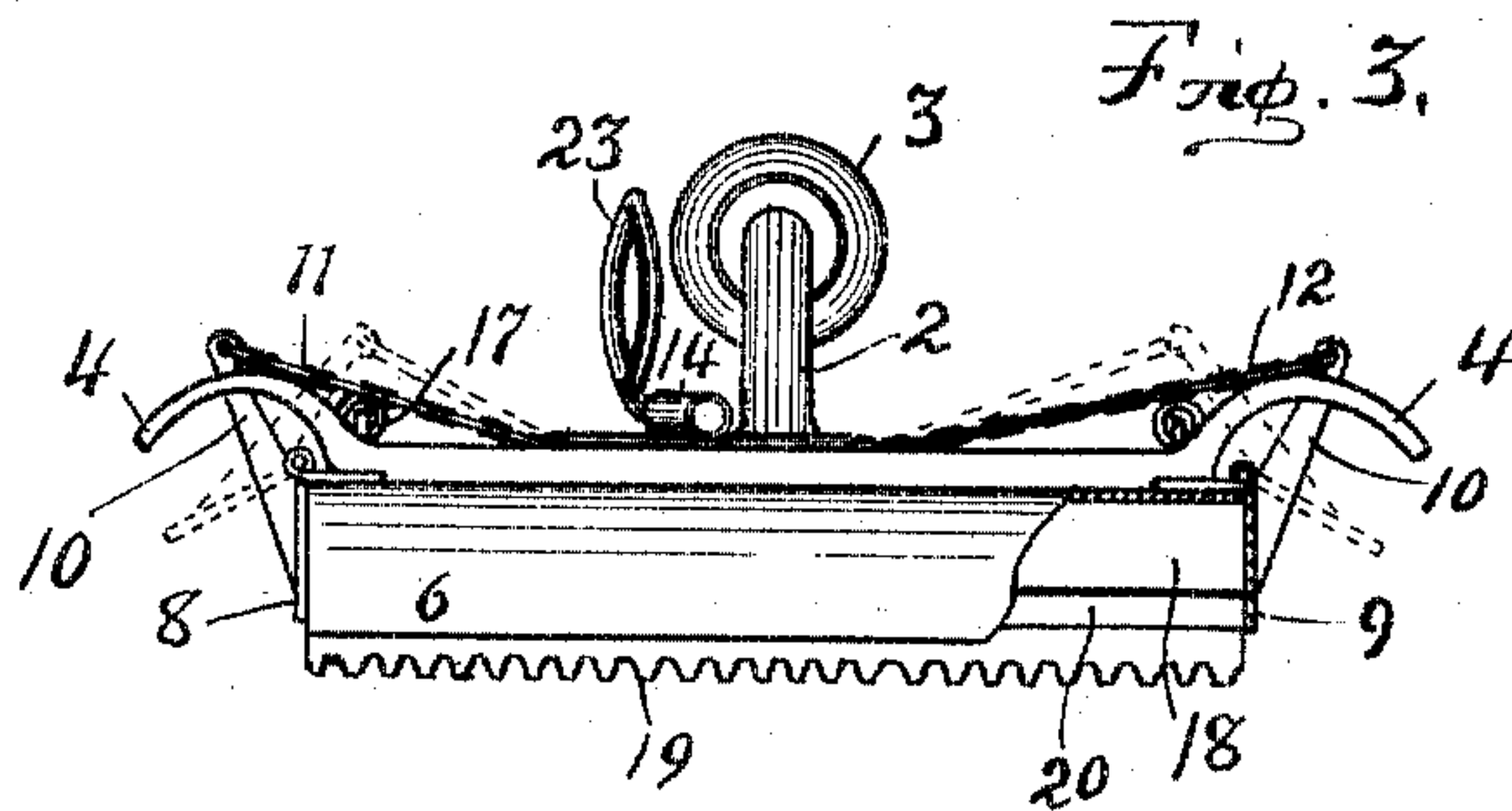
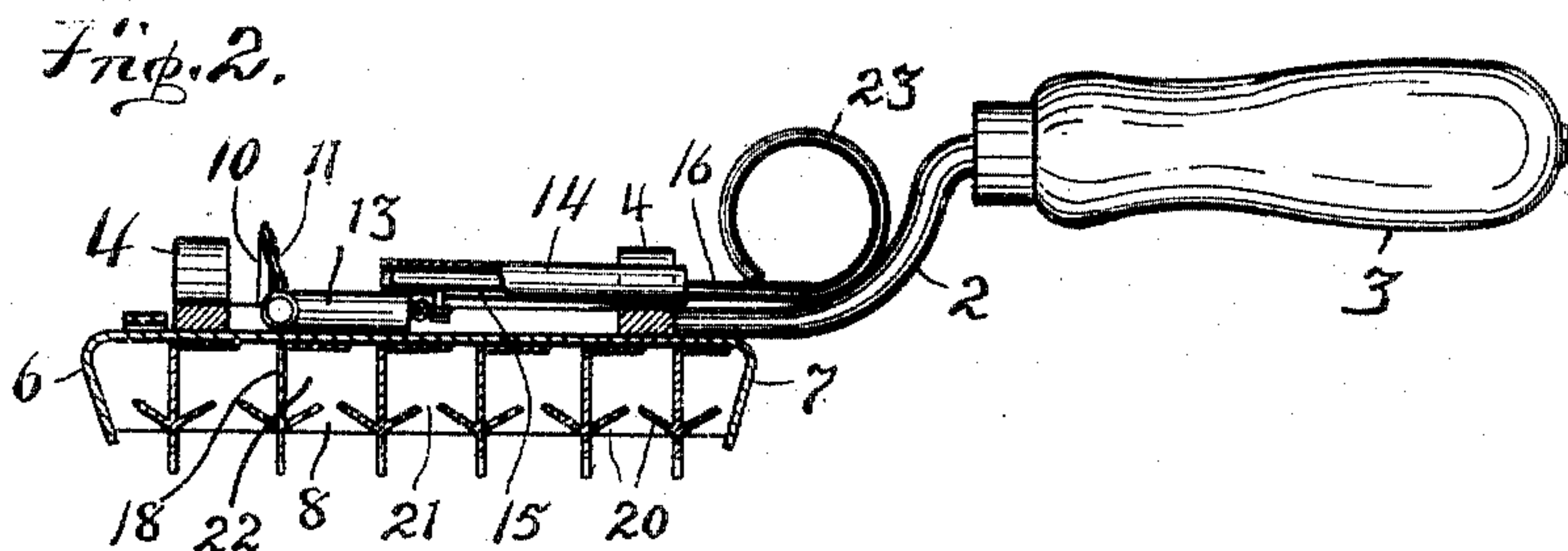
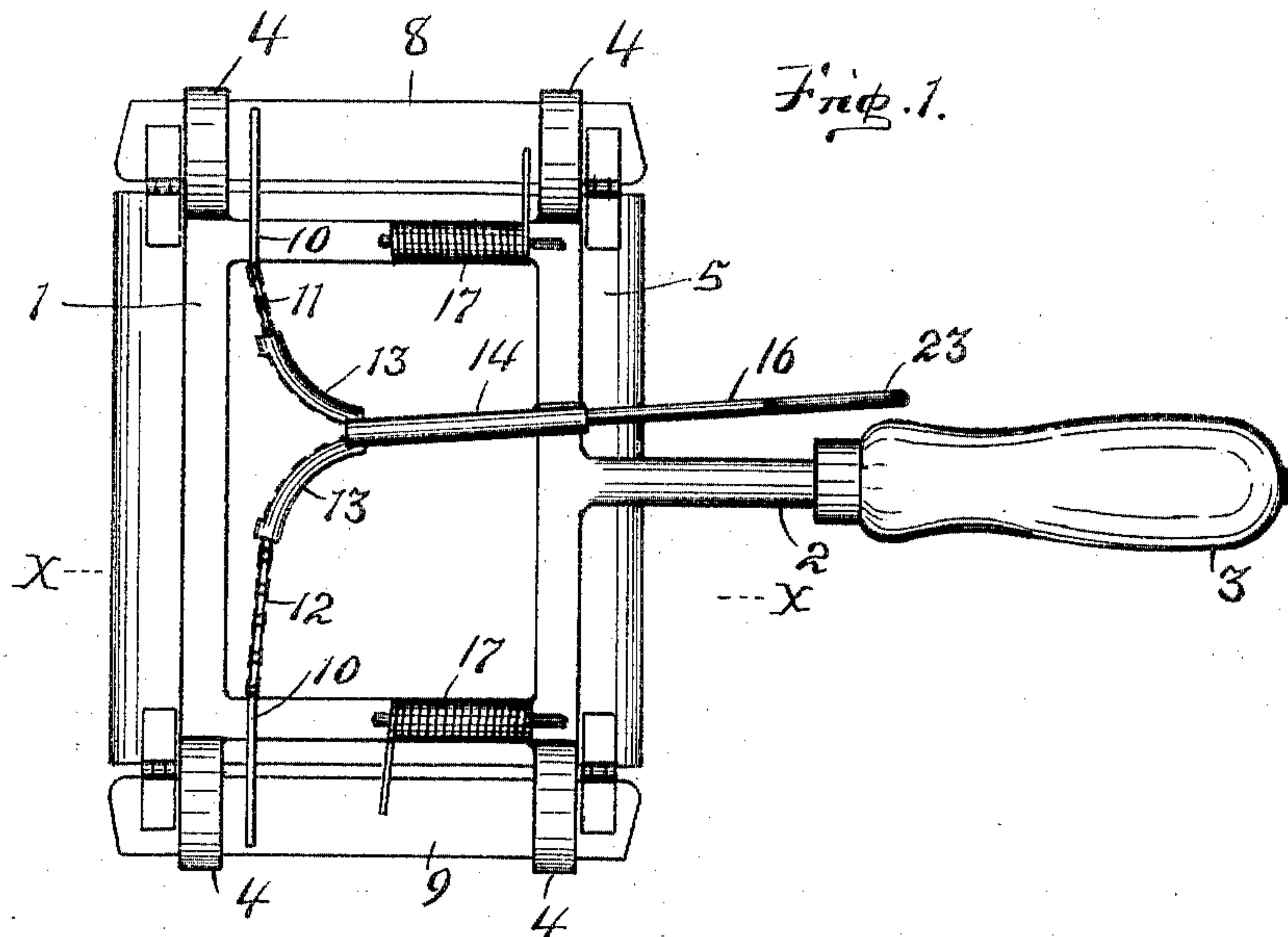
No. 777,471.

PATENTED DEC. 13, 1904.

C. W. IGO.
CURRYCOMB.

APPLICATION FILED AUG. 1, 1904.

NO MODEL.



WITNESSES:

H. J. Burns
J. M. Dickens.

Charles W. Igo INVENTOR.

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ATTORNEYS..

UNITED STATES PATENT OFFICE.

CHARLES W. IGO, OF PAYNE, OHIO.

CURRYCOMB.

SPECIFICATION forming part of Letters Patent No. 777,471, dated December 13, 1904.

Application filed August 1, 1904. Serial No. 219,019. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. IGO, a citizen of the United States, residing at Payne, in the county of Paulding, in the State of Ohio, have invented certain new and useful Improvements in Currycombs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in currycombs.

The primary object of my present invention is to provide a cheap, simple, and efficient dustless currycomb having a series of dust-receptacle compartments, the said compartments having corresponding openings between the teeth-plates through which the dust passes into the compartments in use, where it is retained until discharged by the operator, and improved spring-pressed means for discharging the dust from the said compartments.

My invention consists of a rectangular comb-frame or head provided with a series of transverse teeth-plates upon its inner face, between which are arranged a series of transverse openings through which the dust passes into the dust-compartments in use, a dust-receptacle compartment in the outer face of the said frame, and spring-pressed means for opening and closing the said chamber.

The novel features of my invention reside in the provision of a series of dust-receptacle compartments in coöperative relation with the comb-teeth, whereby a dust-proof currycomb is provided, and in the means for discharging the dust from the chamber.

In the accompanying drawings similar reference-numerals indicate like parts throughout the several views, in which—

Figure 1 is a plan view of my invention looking at the back of the currycomb, showing the dust-receptacle compartments open in position to discharge their contents. Fig. 2 is a cross-section on the line *xx* of Fig. 1, showing the relative arrangement of the winged tooth-bars and the dust-compartments and the openings into the same. Fig. 3 is a front

view of the invention, partly broken away, showing the dust-compartments closed and showing in dotted outline the relative position of the means for closing the same.

The rectangular frame 1 has a curved shank 2 projecting from its rear edge, provided with a proper handle 3, preferably of wood, and has upon its four corners the duplicate lateral lugs 4 for the purpose hereinafter described. To the lower face of this frame is rigidly fixed a plate 5, having its front and rear edges downwardly curved, forming the front and rear flanges 6 and 7, Fig. 2. To the other opposite edges of this plate are hinged the vertical duplicate plates 8 and 9, each of which has near its forward end an upright lug 10, to whose upper free end the respective chains or cables 11 and 12 are secured. To the upper face of the plate 5, near its central portion, are fixed oppositely-curved guides 13 and the tubular guide 14, having a longitudinal slot 15 in its lower face, Fig. 2. The chain or cables 11 and 12 have their inner ends arranged in the curved guides 13 and secured to the forward end of the rod 16, which is slidably mounted in the tubular guide 14. This rod 16 has its extended rear end formed into a loop suitable for the convenient insertion of the finger to operate the same.

Near the rear corners of the frame 1 are fixed the oppositely-arranged coil-springs 17, having one end thereof secured to or bearing against the adjacent outer face of the said plates 8 and 9, respectively, whereby these plates are elevated against the tension of these springs.

To the lower face of the plate 5 are fixed in parallel arrangement and in transverse relation to the hinged plates the toothed bars 18, having proper teeth 19 upon their lower edge, which extends downward somewhat lower than the lower edge of the flange 6 of the plate 5, Fig. 3. These toothed bars are provided upon each side with the lateral upwardly-inclined plates or wings 20 so arranged as to leave a narrow space 21 between their adjacent edges. The space above each pair of wings forms a dust chamber or compartment 22 between the tooth-bars, which compartments are closed at their ends by the

hinged plates 8 and 9, respectively. A series of dust-chambers 22 are thus provided between the several tooth-bars, into which the dust enters through the respective openings 5 21 and which have their ends closed by means of the hinged plates 8 and 9.

The manner of employing my invention thus described is obviously as follows: The operator uses my currycomb in the usual way 10 for the removal of dust from the animal. The dust, loose hairs, and the like are received into these dust-chambers through the respective openings 21, being passed through the same partly by force of the air and partly by 15 being crowded through by the fur over which the currycomb is passed in use. As these dust-chambers have their bottom formed by the oblique wings 20, they will evidently retain a limited amount of dust which will not 20 be discharged through the openings 21 by ordinary usage. When it is desired to discharge the contents of these chambers, the operator places his forefinger in the loop 23 of the rod 16 and pulls it rearwardly, as shown 25 in Fig. 1, thereby raising the hinged plates 8 and 9 through the medium of the cables 12 and 13, thus opening the dust-chambers at both ends, after which he jars the contents out of the chambers by striking the lugs 4 30 against some suitable object. He then releases his hold on the rod 16, and the hinged plates 8 and 9 will be automatically returned to their normal position by means of the respective coiled springs 17.

35 Obviously the frame 1 may be omitted, if desired, and the plate 5 made of sufficient strength to support the operative parts.

Obviously my improved currycomb thus described is practically dustless in use.

40 Having thus described my invention, what I desire to secure by Letters Patent is—

1. A currycomb consisting of a comb-body

or base-plate having a proper handle, and provided upon its lower face with a series of pendent teeth-plates having opposite lateral 45 oblique wings adapted to form the floors of a series of dust-compartments, the said wings having their adjacent edges so separated as to form openings into said compartments; spring-pressed hinged plates normally closing 50 the said compartments at their ends; and means for raising the said hinged plates simultaneously.

2. In a currycomb a base-plate having its forward and rear edges bent as shown, and 55 having a fixed handle, and provided upon its lower face with a series of teeth-plates having oblique wings forming dust-compartments between the said teeth-plates, the said wings being so separated at their adjacent edges as 60 to form openings into the respective compartments; hinged plates closing the ends of the said dust-compartments; means for maintaining the said plates in their closed position; and means simultaneously raising the said 65 plates to discharge the contents of the said compartments.

3. A currycomb comprising a comb-body or base-plate having upon its lower face a series of dust-receptacle compartments formed 70 by a series of parallel teeth-plates having lateral oblique wings in opposite arrangement, and having their adjacent edges separated for the purpose specified; hinged plates closing the opposite ends of the said compartments; 75 and means for simultaneously opening and closing the said hinged plates.

Signed by me at Fort Wayne, Allen county, State of Indiana, this 30th day of July, 1904.

CHARLES W. IGO.

Witnesses:

WATTS P. DENNY,
J. W. PEPPLE.