

No. 681,707.

Patented Sept. 3, 1901.

J. G. JOHNSON.
CURRYCOMB.

(Application filed Dec. 17, 1900.)

(No Model.)

Fig. 1.

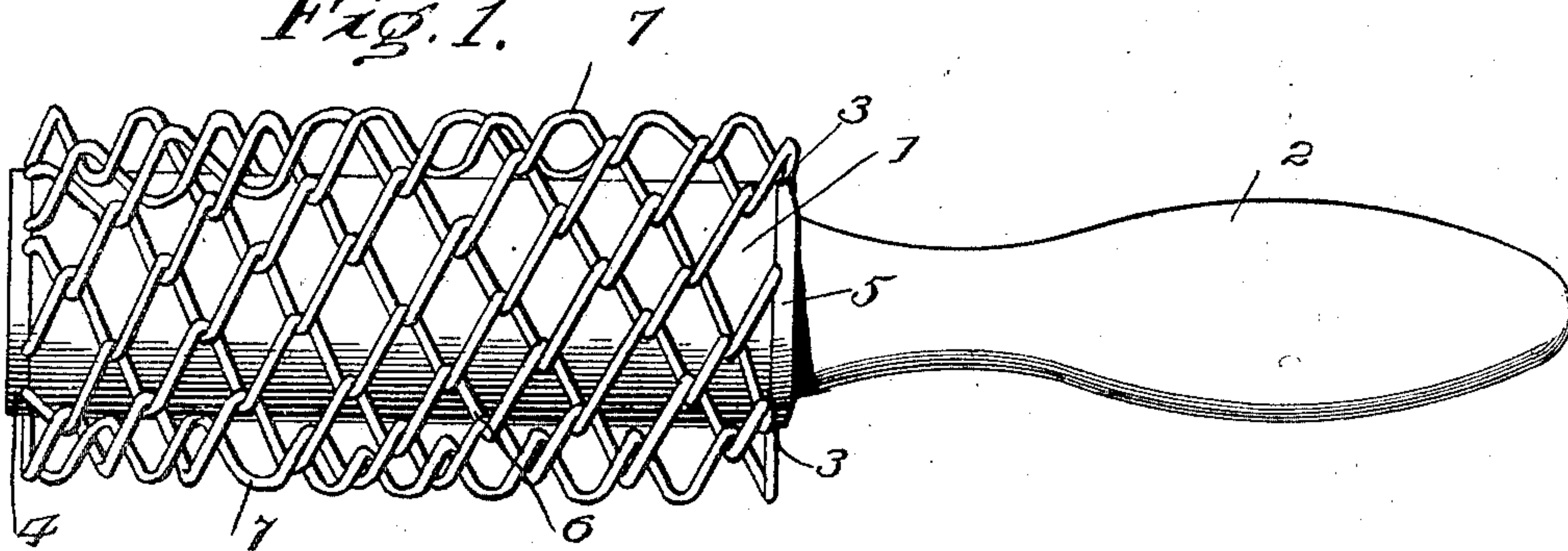


Fig. 2.

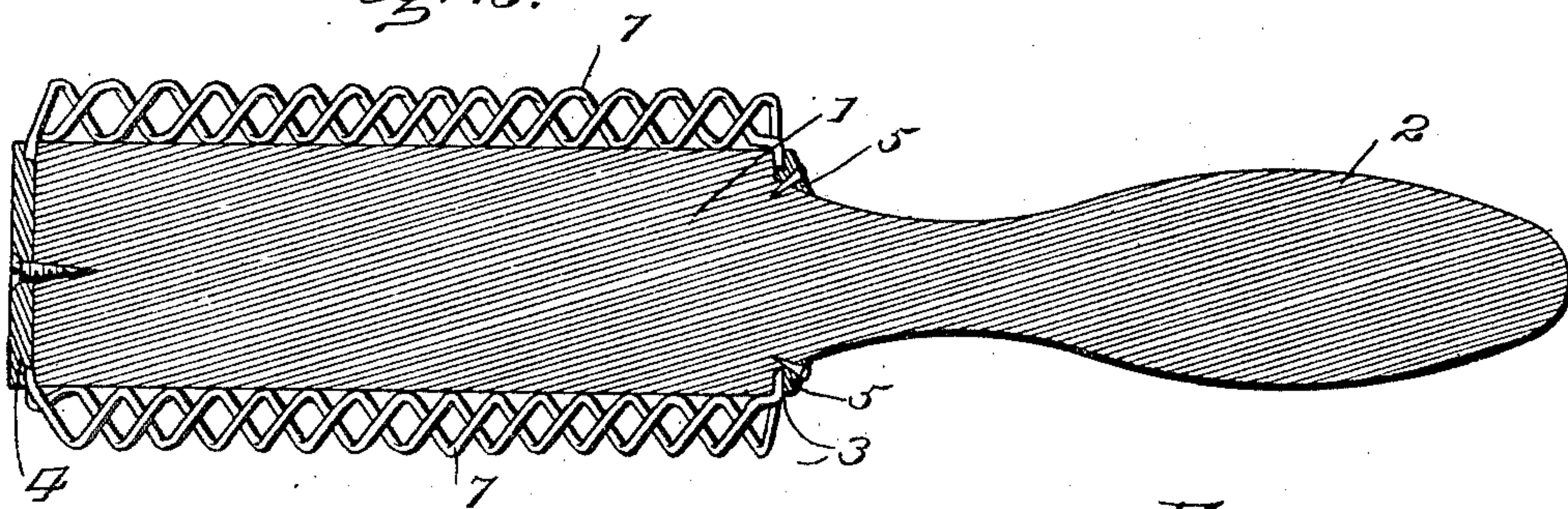


Fig. 3.

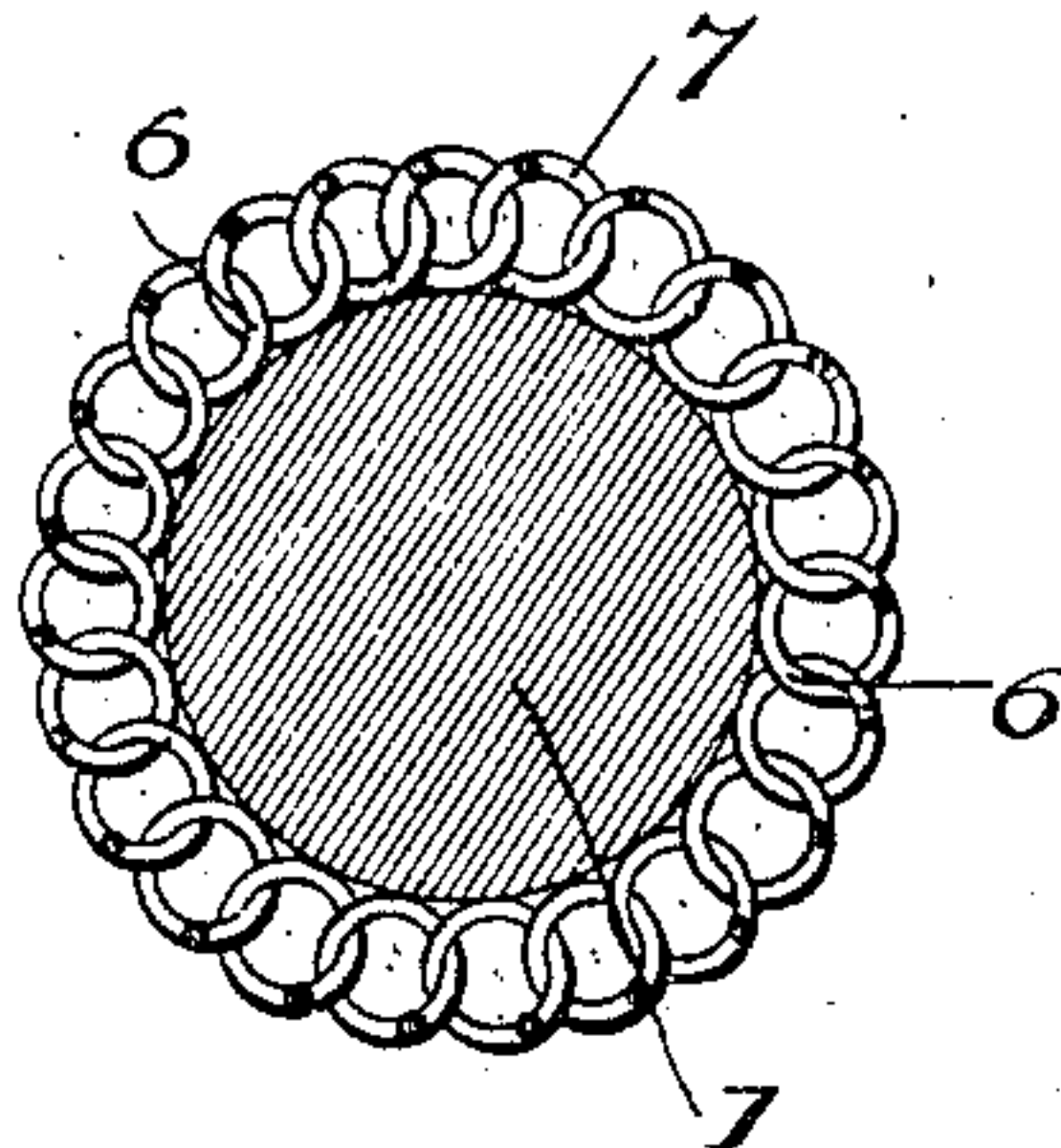
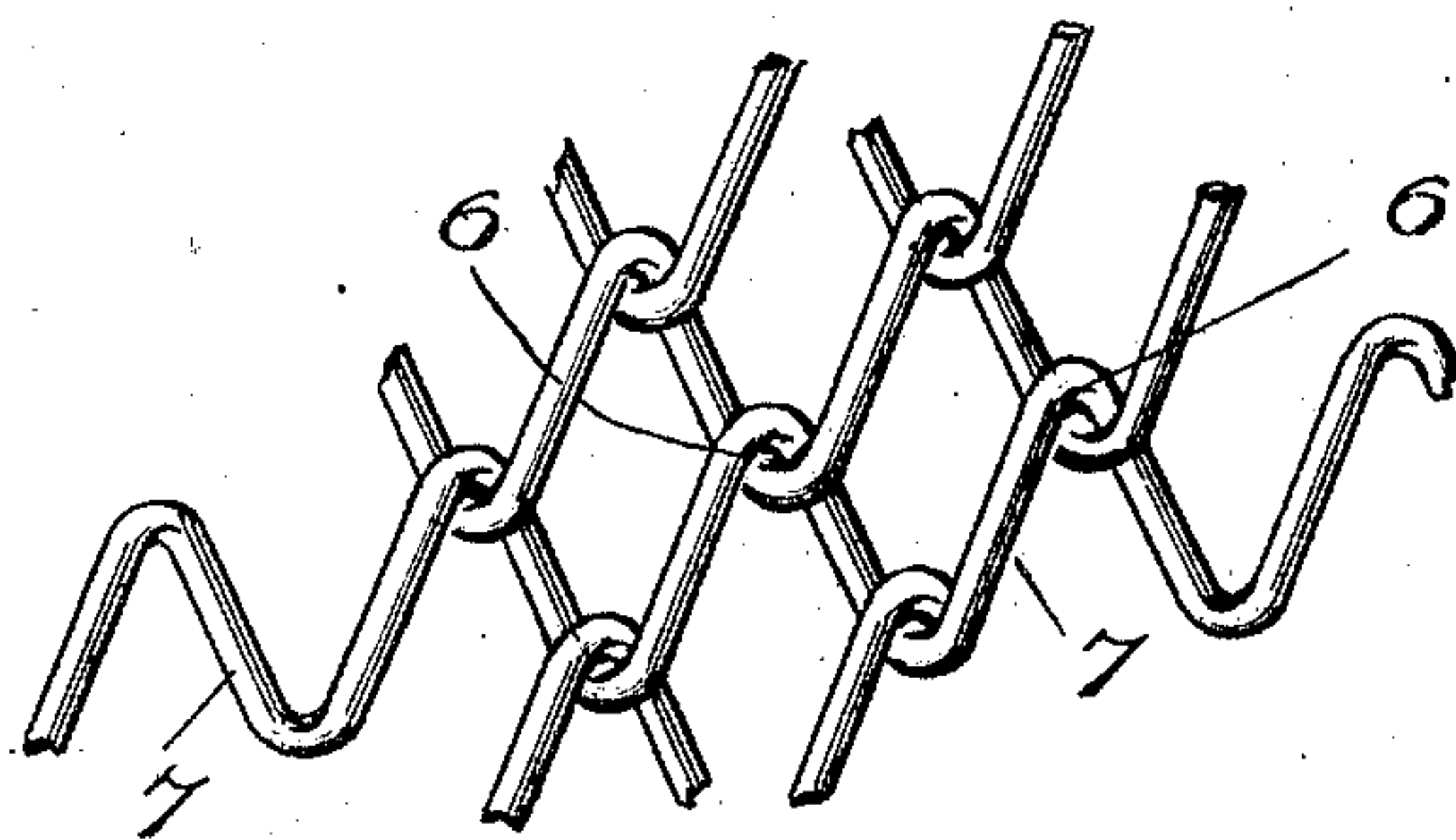


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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CURRYCOMB.

SPECIFICATION forming part of Letters Patent No. 681,707, dated September 3, 1901.

Application filed December 17, 1900. Serial No. 40,169. (No model.)

To all whom it may concern:

Be it known that I, JAMES GUTHRIE JOHNSON, a citizen of the United States, residing at Carthage, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Currycombs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to appliances for currying horses and other animals, the object being the provision of a device of this character which will be light, easily cleaned, free from choking, and capable of scratching the hide and smoothing the hair.

The stock of the device is cylindrical in form and is provided at one end with a handle.

The comb-body is formed of interlocked wire coils arranged in parallel relation and grouped about the cylindrical part of the stock and secured at their ends thereto, the wire coils being straight and having an oblique disposition with reference to the length of the stock, whereby the outer portions of the volutes extend about at a right angle to the axis of the said stock.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are necessarily susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a currycomb constructed in accordance with this invention. Fig. 2 is a longitudinal section, the handle being in full. Fig. 3 is a transverse section. Fig. 4 is a detail view of a portion of the comb-body.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The stock comprises a cylindrical body 1 and a handle 2 at one end thereof, a shoulder 3 being provided at the base of the handle for a purpose presently to be described. The

parts 1 and 2 may be of wood or any suitable material and may be formed from the same piece or constructed separately and fitted together, as desired.

The comb-body is applied to the cylindrical portion 1 of the stock and is composed of a series of wire coils grouped about the part 1 and interlocked at their longitudinal edges and secured at their extremities to the end of the cylinder 1. The wire coils are disposed in parallel relation and are arranged obliquely with reference to the length of the cylinder, so as to cause the outer portions of the volutes to sit crosswise or about at a right angle to the axis of the cylinder, which is of material advantage in securing the best possible results. The end portions of the individual wire coils are bent so as to engage with the extremities of the cylinder 1 and their outer terminals are clamped between the outer end of the cylinder and an end piece 4, preferably of stout leather, which is firmly attached to the cylinder by nails or other securing means. The end piece 5 for securing the inner terminals of the wire coils is of annular form, so as to clear the handle 2, and coöperates with the shoulder 3 to hold the inner terminals of the wire coils. This end piece 5 is likewise of stout leather. By having the end pieces 4 and 5 of leather the bent terminals of the wire coils become embedded therein and are more firmly held in place and prevented from slipping.

The wire coils 6 are straight and of a length corresponding to the length of the cylinder 1, to which they are attached in the manner specified. The outer portions 7 of the volutes form the teeth by means of which the scratching and rubbing action is effected, and these teeth extend approximately at a right angle to the axis of the cylinder, this position being the result of the oblique arrangement of the wire coils. As shown most clearly in Figs. 1 and 4, the teeth 7 of a wire coil come between the spaces of the teeth of adjacent wire coils. As indicated most clearly in Fig. 1, the teeth extend in spiral rows about the cylinder 1, which is the result of the interlocking of the wire coils and their oblique arrangement. As a result of having the teeth arranged in the manner set forth the comb is not liable to choke or become clogged when

in operation. Hence it is not necessary to use a brush in connection therewith to remove hair and other matter loosened and removed from the hide by means of the comb.

- 5 The teeth are possessed of a spring action and their rounded form prevents injury to the hide.

The comb-body is of cylindrical formation and is slipped upon the part 1 or the stock
10 and is held in place solely by means of the end pieces 4 and 5, which likewise cover the extremities of the wire coils and prevent injurious contact thereof with the hide when using the device.

- 15 Having thus described the invention, what is claimed as new is—

The herein-described currycomb comprising a cylindrical stock having a handle at one end and a shoulder at the base of said handle,

a cylindrical comb-body mounted upon the 20 cylindrical portion of the stock and composed of coils interlocked at their longitudinal edges and having an oblique arrangement with reference to the axis of the stock, the terminals of the wire coils being bent against the shoulder and the outer end of the cylindrical portion of the stock, and end pieces attached to the ends of the cylindrical body and clamping the terminals of the wire coils, the inner end pieces being of annular formation to receive the handle and made fast to the 30 said shoulder, substantially as specified.

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

JAMES GUTHRIE JOHNSON. [L. S.]

Witnesses:

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