

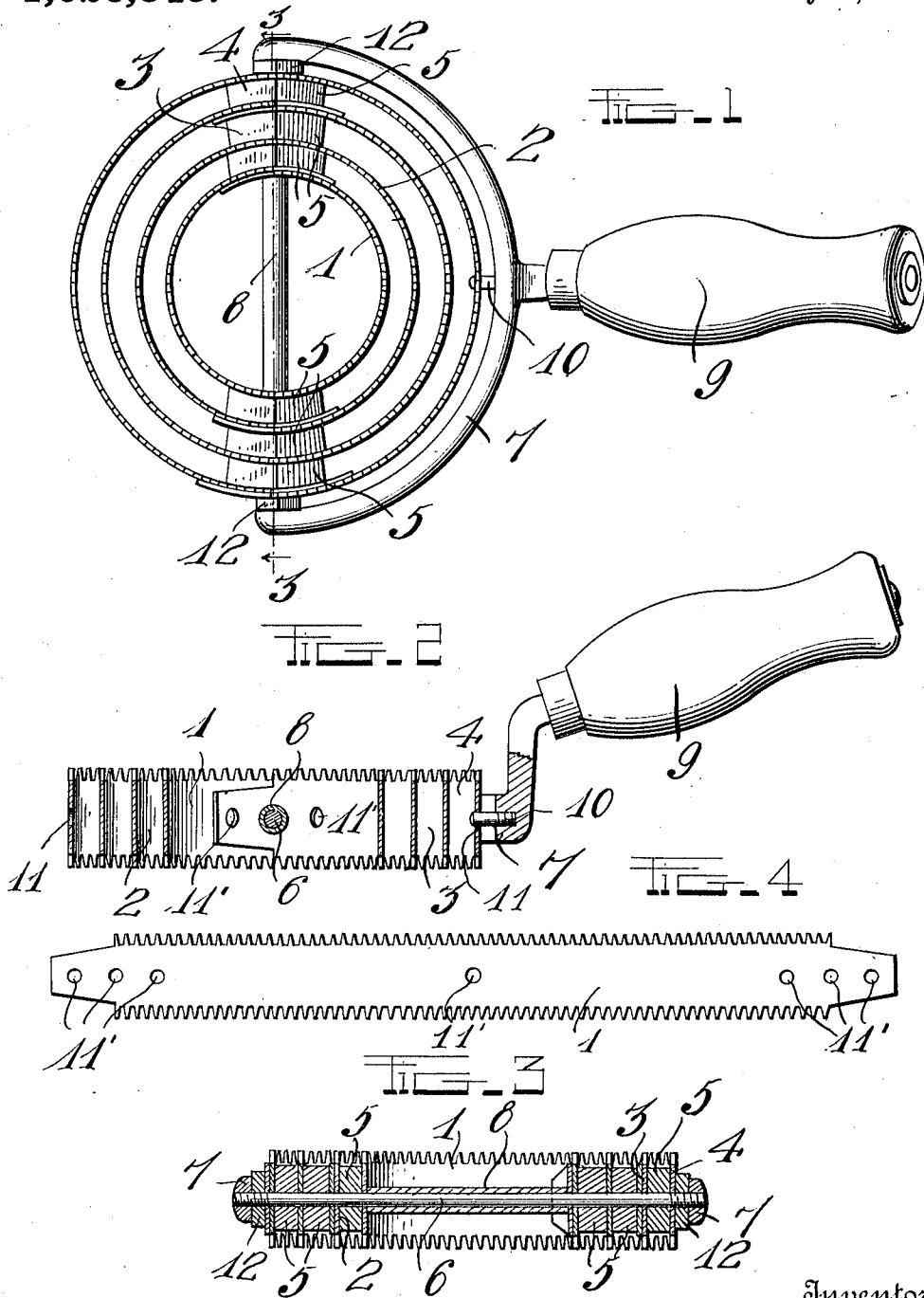
D. J. ALSTON.

CURRYCOMB.

APPLICATION FILED OCT. 5, 1911.

1,026,843.

Patented May 21, 1912.



Witnesses

W. P. Hardy
O. B. Hopkins

Inventor

D. J. Alston

By *A. B. Wilson & Co.*

Attorneys

UNITED STATES PATENT OFFICE.

DAVID J. ALSTON, OF KEOKUK, IOWA.

CURRYCOMB.

1,026,843.

Specification of Letters Patent.

Patented May 21, 1912.

Application filed October 5, 1911. Serial No. 652,960.

To all whom it may concern:

Be it known that I, DAVID J. ALSTON, a citizen of the United States, residing at Keokuk, in the county of Lee and State of Iowa, have invented certain new and useful Improvements in Currycombs; and I do 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 curry combs in which the body of the comb is reversible to adapt either face thereof for use.

The object of this invention is to provide a curry comb which consists of a series of concentric rings or bands of sheet metal which may be readily reversed for presenting either of the faces without requiring the detachment of the handle or the removal of any members, and to provide simple means for holding said handle in its proper position relatively to said bands.

Another object is to provide a frame partially encircling the metal bands of which the teeth are composed which protects the bands and forms a knocker for removing the dirt from the comb.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings:—Figure 1 is a top plan view of a curry comb constructed in accordance with this invention; Fig. 2 is a longitudinal vertical section thereof. Fig. 3 is a view taken in a plane at right angles to Fig. 2 on line 3—3 of Fig. 1; Fig. 4 is a side elevation of the strip from which the inner band is formed.

In the embodiment illustrated, a plurality of approximately concentric rings or bands 1, 2, 3, and 4 are shown, forming the teeth or comb portion of the device. These annular or ring shaped bands are spaced apart by suitable washers, as 5, and are mounted reversibly on a cylindrical axle or spindle 6 which passes diametrically through the several rings and the washers arranged between them and the ends of said spindle are loosely engaged with the free ends of a U-shaped protective frame 7 to provide for the free turning of the comb body in the frame 7. A sleeve 8 is mounted on the spindle 6 within the small inner band 4 and is designed to hold the bands firmly against

the washers to permit the entire body of the comb to revolve freely without the members thereof moving relatively to each other. The edges of the several rings may be serrated on both sides, as shown, or one side thereof may be plain, if desired, to act as a scraping device. A handle 9 of ordinary construction is rigidly connected at one end to the middle or cross bar of the frame 7, being preferably offset laterally therefrom in the usual manner. A stud 10 projects laterally from the inner face of the U-shaped frame 7 preferably at a point opposite its connection with the handle 9 and it is adapted to detachably engage the outer band 1 of the comb body to hold said band rigidly against turning. This band is provided with diametrically opposite apertures, as 11 with which the stud 10 is designed to engage when the comb body is turned in one position or another according to the face which it is desired to present for using. This band 1 being of resilient material, may be compressed to engage or disengage it from the stud 10. The use of the washers 5 and sleeve 8 tend to hold the respective bands firmly against turning on the spindle 6, but said individual bands may be turned individually by exerting considerable pressure thereon. The respective bands are preferably composed of strips the ends of which are provided with longitudinally spaced apertures as 11'. The apertures in one end being designed to register with those in the other end when said ends are overlapped to form the annular bands and the spindle 6 extends through the registering apertures of the overlapped ends and through a similar aperture arranged diametrically opposite. A plurality of these apertures 11' are provided to adapt the bands to be increased or diminished in size as may be desired.

Nuts, as 12, are preferably arranged on the ends of the spindle 6 between the outer face of the band 1 and the inner faces of the ends of the frame 7 to suitably space said band from said frame and to tightly clamp the bands against the washers 5 and sleeve 8 to hold them frictionally engaged against individual turning. This frame 7 is preferably composed of rigid material, such as iron or steel and forms a protection for the comb teeth and also as a knocker for shaking the dirt out of the teeth.

From the foregoing description taken in connection with the accompanying draw-

ings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the claimed invention.

I claim as my invention:—

10 A curry comb having a body composed of a plurality of concentric rings, an axle passing diametrically through said rings, means for spacing said rings apart, means operable in connection with said spacing means for
15 frictionally holding the rings together, a

frame in the ends of which the ends of said axle are mounted, means for detachably connecting said frame to one of said rings to lock all of the rings against movement relatively to said frame, said rings being individually revoluble on the application of abnormal pressure, and a handle connected with said frame. 20

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 25

DAVID J. ALSTON.

Witnesses:

C. A. VOLLERS,
M. F. BAKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."