

(No Model.)

G. A. COLTON.  
FILE CLEANER.

No. 438,098.

Patented Oct. 7, 1890.

Fig. 1.

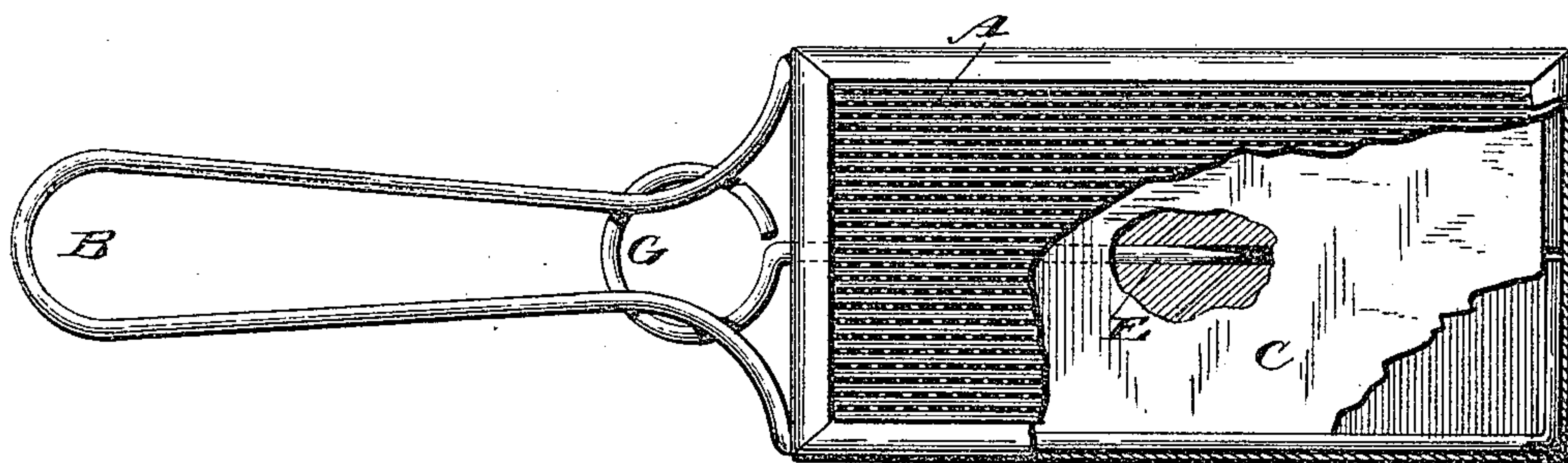


Fig. 2.

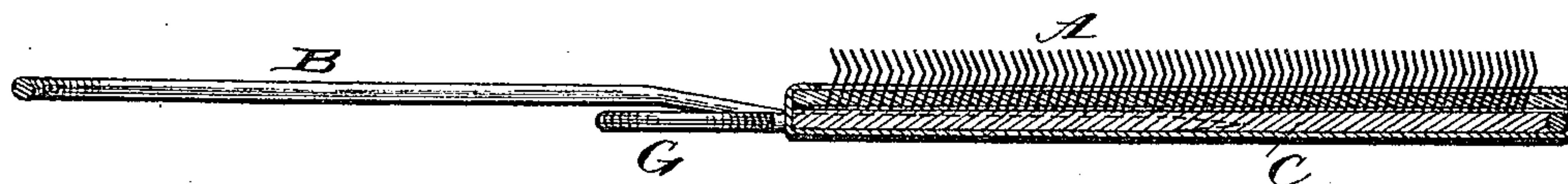
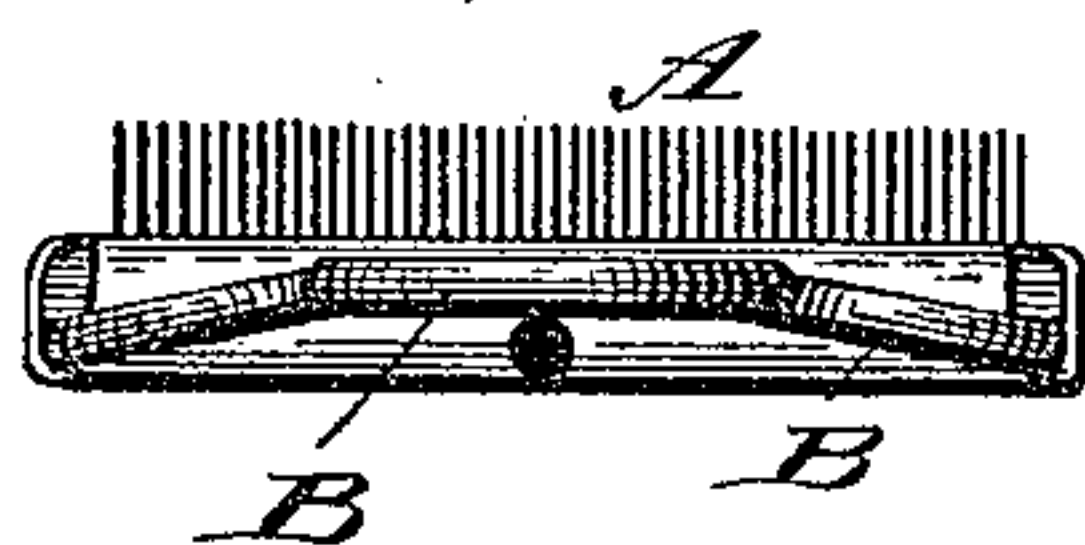


Fig. 3.



Witnesses  
L. C. Mills.  
E. A. Bond.

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# UNITED STATES PATENT OFFICE.

GEORGE A. COLTON, OF CHICAGO, ILLINOIS.

## FILE-CLEANER.

SPECIFICATION forming part of Letters Patent No. 438,098, dated October 7, 1890.

Application filed April 18, 1890. Serial No. 348,502. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE A. COLTON, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in File-Cleaners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in file-cleaners; and it has for its object, among others, to so construct a file-cleaner that the card-clothing will not become accidentally displaced. I fasten the card-clothing to a metallic back or casing either with or without a backing. I provide a wire handle, which may serve also to receive and support the metallic back or casing.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims, the novelty residing in the peculiarities of construction and the combinations, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a plan of my improved cleaner with parts broken away to better disclose the construction. Fig. 2 is a vertical longitudinal section through the same. Fig. 3 is an end view.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates a piece of card-clothing of known construction, and of this I take a piece of the desired shape and inclose it in a piece of sheet metal of such form that when folded so as to have its edges embrace the card-clothing it will form a back therefor, the edges of the sheet metal being

rolled or otherwise secured around the edges of the card-clothing. I preferably take a piece of stout wire of proper length and bend it, so as to form a handle B, and a rectangular frame of the same shape as the card-clothing, as shown in Fig. 1, and the edges of the sheet metal are then bent around this wire frame. This makes a strong, light, and durable holder for the card-clothing.

I preferably employ a backing or filling C, as shown in Figs. 1 and 2, which should be preferably of wood.

The wire frame is placed around the outer edge of the card-clothing under the bottom.

E is a picker having a handle G, and this picker is secured removably in a suitable slot or opening therefor at one end of the cleaner, as shown.

What I claim as new is—

1. In a device for the purpose specified, the combination of a piece of card-clothing, a metallic holder embracing the same, and a wire handle having a portion of the same general outline as the clothing and arranged within the metallic holder, substantially as specified.

2. In a device for the purpose specified, the combination of a piece of card-clothing, a combined wire handle and frame, and a metallic holder embracing the card-clothing and having its edges folded around the wire frame, substantially as specified.

3. In a device for the purpose described, the combination of a piece of card-clothing, a wire handle and frame in one piece, a wooden filling, and a metallic holder embracing the filling, card-clothing, and wire frame and having its edges folded over and secured round the frame, substantially as shown and described.

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

GEORGE A. COLTON.

Witnesses:

E. W. SMITH,

H. H. MUNGER.