

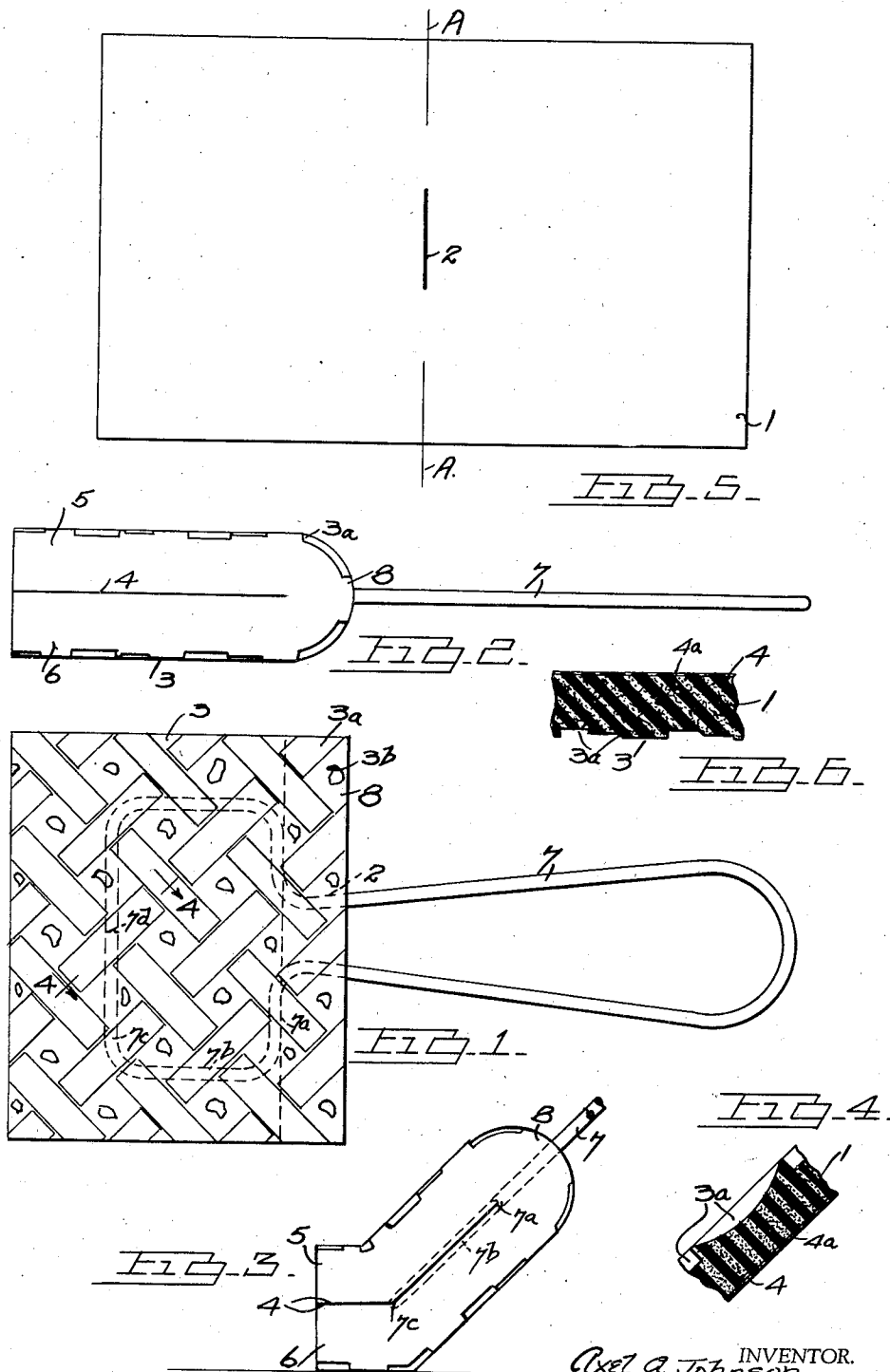
Feb. 13, 1940.

A. A. JOHNSON

2,190,427

CLEANING IMPLEMENT

Filed July 1, 1938



Axel A. Johnson INVENTOR.

C. E. Baldwin ATTORNEY.

UNITED STATES PATENT OFFICE

2,190,427

CLEANING IMPLEMENT

Axel A. Johnson, Holly, Mich.

Application July 1, 1938, Serial No. 217,093

2 Claims. (Cl. 15—209)

This invention relates to improvements in cleaning implements; it is an object thereof to provide a cleaning implement which is cheap and simple to manufacture, and with which hairs, dust and dirt can be easily and effectively removed from upholstery, clothing and the like.

Another object of the invention is to provide a cleaning implement consisting of two layers of flexible rubber-like material, preferably sponge rubber, having their contiguous faces secured to one another, and a rigid handle extending from the said material.

A further object of the invention is to provide a cleaning implement consisting of a piece of rubber-like material, preferably sponge rubber, folded upon itself, having its contiguous faces secured to one another and a rough exposed face, and a rigid handle secured between the folded portion of the material and projecting therefrom.

Having thus briefly stated some of the objects and advantages of the invention, I will now proceed to describe a preferred embodiment thereof with the aid of the accompanying drawing, in which:

Figure 1 illustrates a side elevation of the cleaning implement, and

Figure 2 is a side view thereof, and

Figure 3 is a similar side view showing the extremity of the cleaning implement flexed.

Figure 4 is a section on the line 4—4 of Figure 1.

Figure 5 is a plan view of a piece of flexible rubber-like piece of material of which my cleaning implement is made, and

Figure 6 is a partial sectional view of the material.

Referring to the drawing, 1 designates a piece of flexible rubber-like material, by which I mean sponge rubber, rubber composition, or a synthetic substitute therefor. Through the flexible rubber-like material 1 a transverse slot 2 is formed intermediately of its width and centrally of its length along a line A upon which the material is to be folded upon itself. The rubber-like material 1 has a rough side 3, which in the present instance is provided with a plurality of longitudinally concave recesses 3a and is also somewhat porous as indicated 3b. Its opposite side 4 is smooth and is preferably provided with an integral skin 4a. The material is folded along the line A to form two layers 5 and 6 having their smooth sides 4 contiguous.

7 denotes a handle, preferably consisting of wire and having an outwardly projecting loop

which extends through the slot 2. Inwardly of the latter the wire handle has two outwardly and laterally disposed portions 7a which usually rest against the inner side of the fold 8 of the rubber-like material. The portions 7a of the handle terminate in portions 7b which lie substantially parallel with the margins of the folded material and inwardly spaced therefrom. The portions 7b have inturned extremities 7c which are soldered or otherwise secured to one another to afford rigidity, at 7d. The inturned extremities 7c should be sufficiently spaced from the extremity of the cleaning implement to permit the end of the latter to be flexed, as shown in Figure 3, against the work.

After the handle has been placed in position the two layers 5 and 6 of the rubber-like material are adhesively secured to one another, and the opposite intermediate portions of the slot sides 2 are also similarly secured to one another.

From the foregoing it will be readily seen that I have devised a simple, effective and convenient form of cleaning implement; it is also understood that the invention is subject to such alterations and modifications as fall within the scope of the appended claims.

What I claim as my invention and desire to secure by Letters Patent is:

1. A cleaning implement comprising a sheet of rubber-like material folded upon itself centrally of its length whereby a shoulder is formed within the folded extremity of the sheet, means holding the adjacent faces of the folded sides of the sheet in contact with one another, the folded extremity of the sheet being apertured, a handle extending through said folded apertured extremity and projecting outwardly from the sheet, said handle projecting laterally between the folded sides of the sheet and bearing against said shoulder to prevent detachment of the handle through the apertured extremity.

2. A cleaning implement comprising a split sheet of sponge rubber folded upon itself centrally of its length whereby a shoulder is formed within the folded extremity of the sheet, the said folded extremity being apertured, the adjacent faces of the folded sheet being adhesively secured to one another, and a handle extending through said folded apertured extremity, said handle extending laterally between the folded sides of the sheet and bearing against the shoulder formed therebetween.

AXEL A. JOHNSON.

55