

(No Model.)

R. E. MASON, W. SMALLEY, & G. SCHOFIELD.

HAT AND PROCESS OF MAKING THE SAME.

No. 277,913.

Patented May 22, 1883.

Fig. 1.

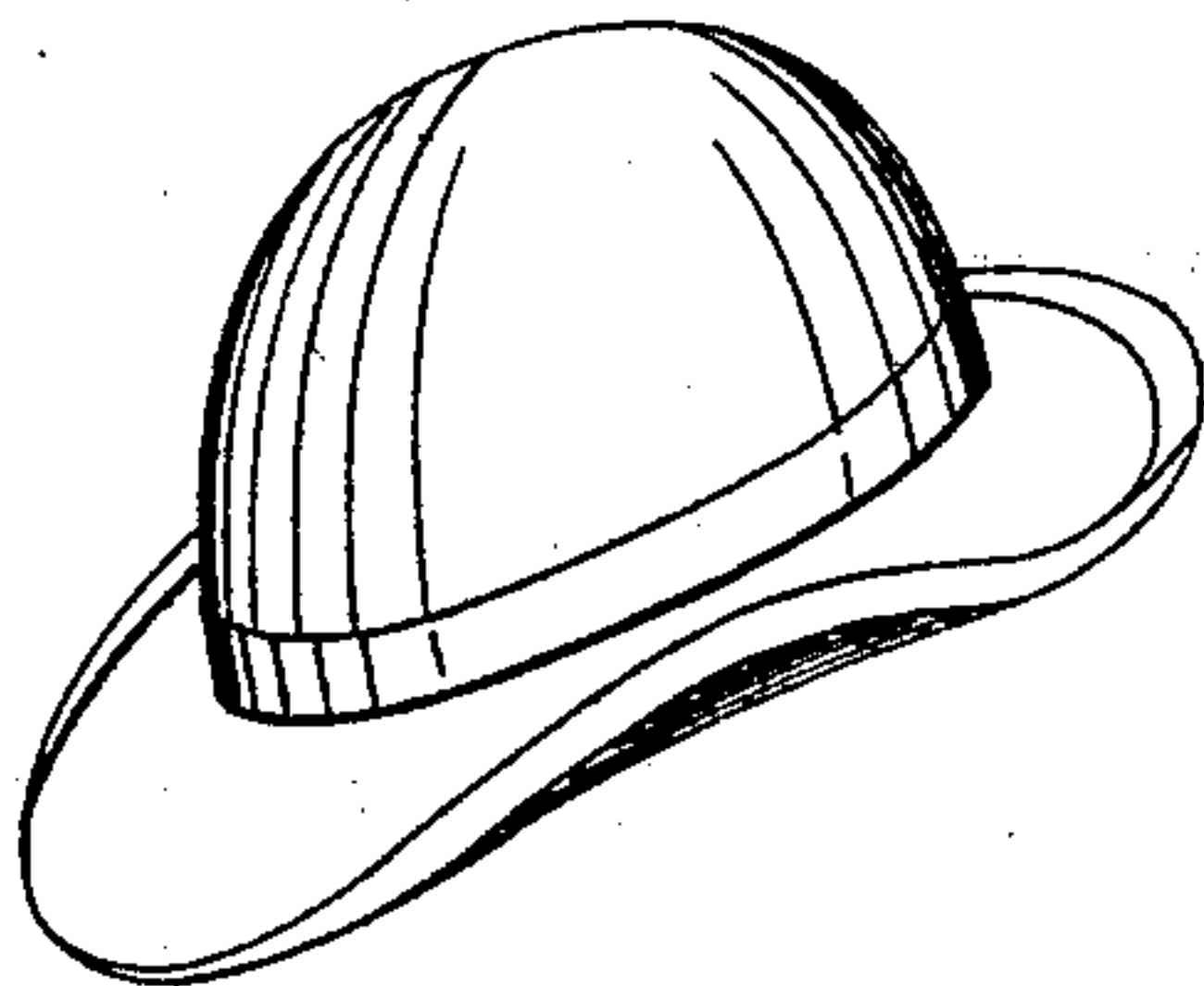


Fig. 2.

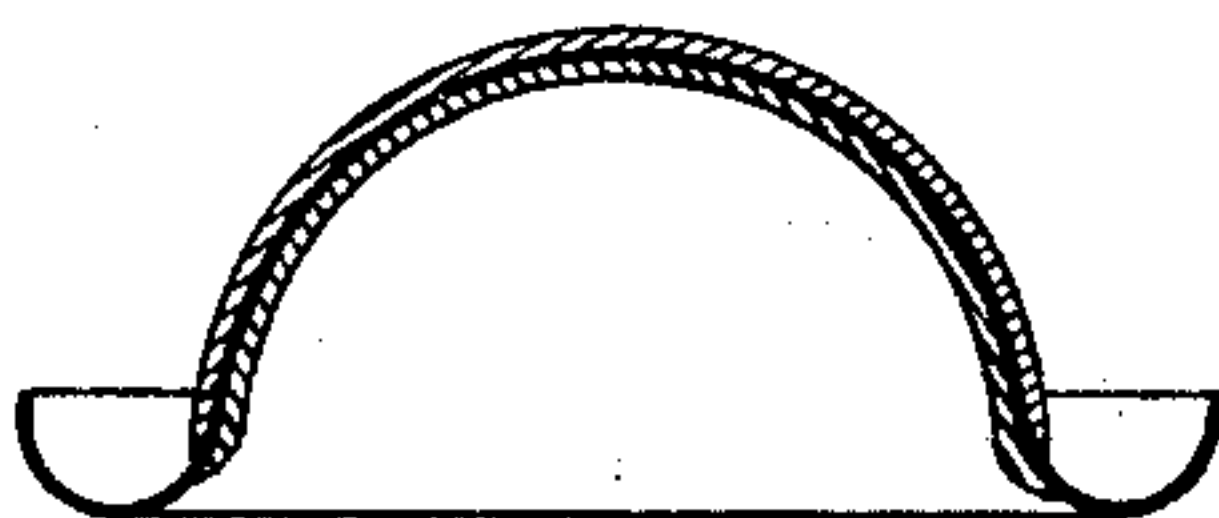
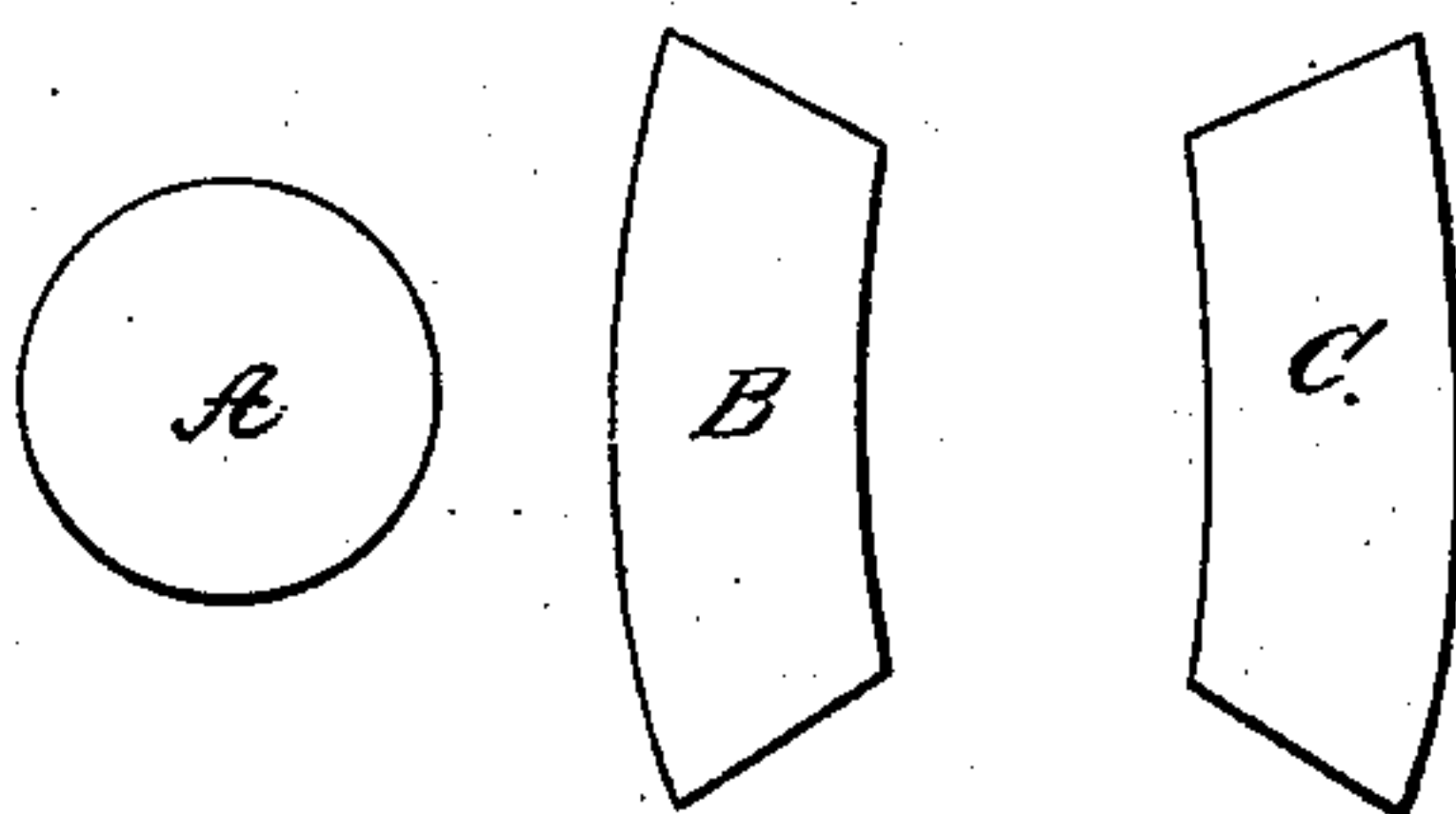


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT E. MASON, WILLIAM SMALLEY, AND GEORGE SCHOFIELD, OF NEWARK, N. J., ASSIGNORS TO JAMES A. McDOWELL, OF SAME PLACE.

HAT AND PROCESS OF MAKING THE SAME.

SPECIFICATION forming part of Letters Patent No. 277,913, dated May 22, 1883.

Application filed April 17, 1883. (No model.)

To all whom it may concern:

Be it known that we, ROBERT E. MASON, WILLIAM SMALLEY, and GEORGE SCHOFIELD, each of Newark, New Jersey, have invented a new and useful Improvement in Hats and in the Process of Making the Same, whereof the following is such full, clear, and exact description as will enable others to make and carry on the same, when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of the hat. Fig. 2 is a cross-section of the finished hat on an enlarged scale. Fig. 3 is an outline drawing of the pieces of which the cork lining is formed.

Heretofore and before this our invention hats have been given a stiff body by introducing into the material of which they are made a stiffening compound, which becomes injured by the bending of the hat, and shows on the surface a discoloration in consequence thereof. Hats of various materials have heretofore been kept in shape by placing within them stiff linings of various materials, such as pasteboard or cork cut in thin sheets.

This our invention consists in making the hat-body without any stiffening substance, and placing within it a lining of thin cork and uniting the hat-body and the thin cork to one another, and the process of making the same.

In carrying out this our invention a hat-body is made in the usual manner and properly shaped to the form desired, and a cork lining of thin cork is made to have the same form. This lining may be made of three or more pieces, as shown in Fig. 3, whereof A is the crown or tip, and B C the sides, of the hat. The hat-body, having been made in the form desired, is removed from the block and the pieces of cork glued or cemented to the inside thereof.

We have found that the cork and felt of the hat are more securely fastened together by coating the inside of the hat with a preparation made as follows: shellac, twenty-five

pounds; carbonate ammonia, one and one-fourth pound; rosin, one pound, to which is added one gill of aqua-ammonia, and the whole is heated and applied liquid to the inside of the hat-bodies and dried. Inside of the hat-body thus prepared is placed a sheet of thin india-rubber, and over this is placed the cork, as shown in the drawings, so as to conform to the shape of the hat. Within this cork lining is placed a block, and the whole hat-body, lining, and india-rubber are steamed, ironed, and pressed, so that the india-rubber firmly unites the cork to the body of the hat, and the hat is composed of cork lining, india-rubber interlining, and felt outside, which combines the lightness of cork, the water-proof qualities of india-rubber, and the beauty of felt, which will not become discolored by bruises.

We do not claim as our invention fastening by cement cork linings and a fabric together to make a more durable lining to a hat; nor do we claim a cork lining put within a hat-body, broadly, as they have been done previous to this our invention.

What we do claim, and desire to secure by Letters Patent, is—

1. The combination, in a hat, of a felt body and cork lining securely cemented to one another, as specified and set forth.

2. The combination, in a hat, of a cork lining, india-rubber interlining, and felt body securely united to one another, as specified and set forth.

3. The process herein described of stiffening hats, consisting of coating the inside of a felt hat with the above-described preparation, inserting therein a cork lining with a covering of india-rubber, and subjecting the whole to heat and pressure, as specified and set forth.

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Witnesses:

PATRICK LYNCH,
FRANK LYONS.