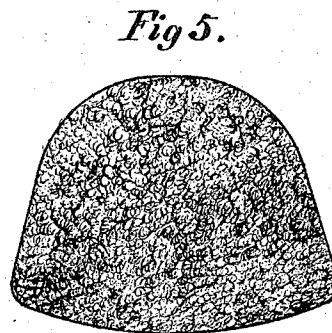
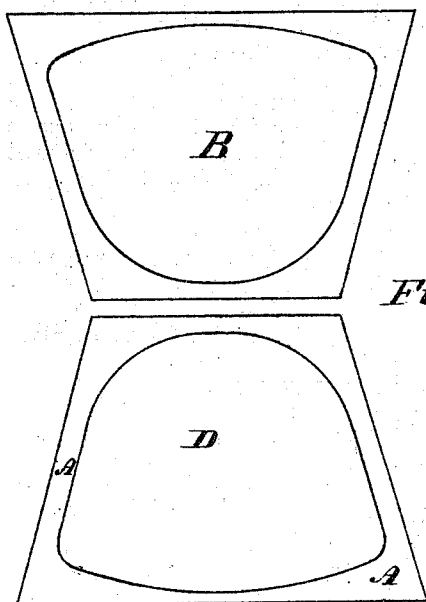
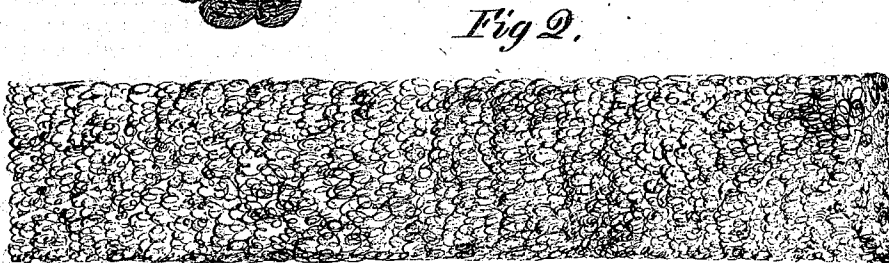
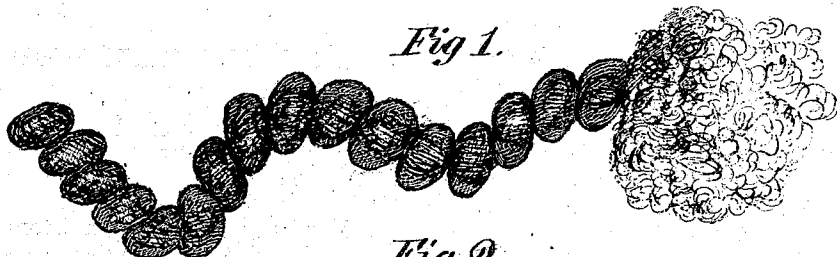


I. LINDSLEY & JOHN MACKINTOSH.  
Improvement in Elastic Batting or Wadding  
for Upholstery Purposes.

No. 124,598.

Patented March 12, 1872.



Witnesses.

*David Wheaton.*

*Thomas Garrick.*

Inventor.

*Isaac Lindsley*

*John Mackintosh*

*By their Attorney Isaac A. Russell.*

# UNITED STATES PATENT OFFICE.

ISAAC LINDSLEY AND JOHN MACKINTOSH, OF PAWTUCKET, RHODE ISLAND.

## IMPROVEMENT IN ELASTIC BATTINGS OR WADDINGS FOR UPHOLSTERY PURPOSES.

Specification forming part of Letters Patent No. 124,598, dated March 12, 1872.

### SPECIFICATION.

We, ISAAC LINDSLEY and JOHN MACKINTOSH, both of Pawtucket, in the county of Providence and State of Rhode Island, have invented a new and Improved article of Elastic Batting or Wadding, of hair or other suitable material, of which the following is a specification:

The said invention consists of a batting or prepared elastic sheet or shape, from curled hair or its substitute, for upholstery and other purposes. To make the elastic batting the spun rope, of curled hair or other suitable material, is converted into slivers by untwisting and opening the rope evenly and cutting into suitable lengths to form the required sheet or shape. These slivers are then placed evenly in a tier side by side to the number required to make up the area of the proposed sheet, and over this is placed a second tier of slivers crosswise of the first tier, and to this may be added a third or fourth tier in similar manner until the requisite thickness is obtained. The mass thus formed is then moistened by sprinkling or otherwise and allowed to stand a sufficient time for the hair to become somewhat softened, after which the mass is placed between heated metallic plates and pressed protractedly to the thickness required for use. The sheet thus formed may then be cut or trimmed into the requisite size and form for the purpose it is to be used. A molded sheet or shape of the elastic batting or wadding may be made by piling successive tiers of the said slivers in a suitable marginal frame of any desired shape—as, for instance, that of the seat or

back of a chair—and moistened and compressed between heated surfaces in a similar manner to that above described, the sheet or mass taking the shape of the marginal frame and the compressing flat surfaces by which it is inclosed, and being immediately ready for covering and tufting. When it is found that the batting has been too much pressed, it can be softened and made more elastic by moistening and again drying. Besides hair, hemp and other tough and elastic vegetable fiber may be converted into elastic batting in a similar manner.

In the drawing hereto annexed, Figure 1 represents a length of curled hair-rope. Fig. 2 represents the slivers formed from said rope. Fig. 3 represents sheets made up of said slivers in successive tiers. Fig. 4 represents the frame A and compressing surfaces or plates B and D for molding an elastic batting for a chair-seat or cushion. Fig. 5 represents the molded elastic batting made by such apparatus.

This elastic batting is capable, by the means described, of being converted into any shape required for whatever use; and is therefore not limited in its use to any particular art, purpose, or manufacture.

We claim as our invention—

The elastic batting or wadding, made substantially as described, as a new manufacture.

ISAAC LINDSLEY.

JOHN MACKINTOSH.

Witnesses:

ISAAC A. BROWNELL,  
THOMAS GARRICH.