

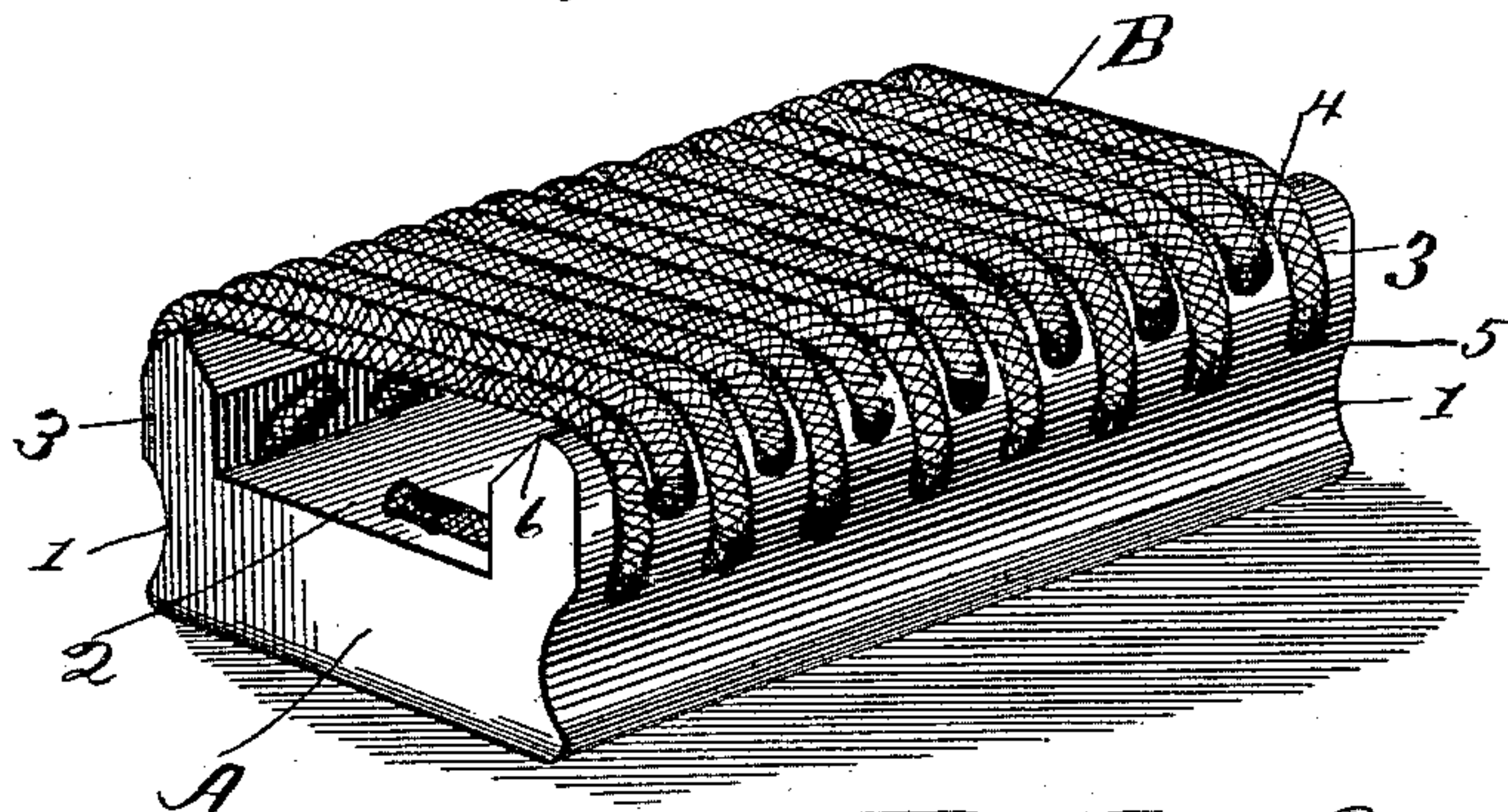
(No Model.)

I. M. LEVY.  
HAND RUBBER.

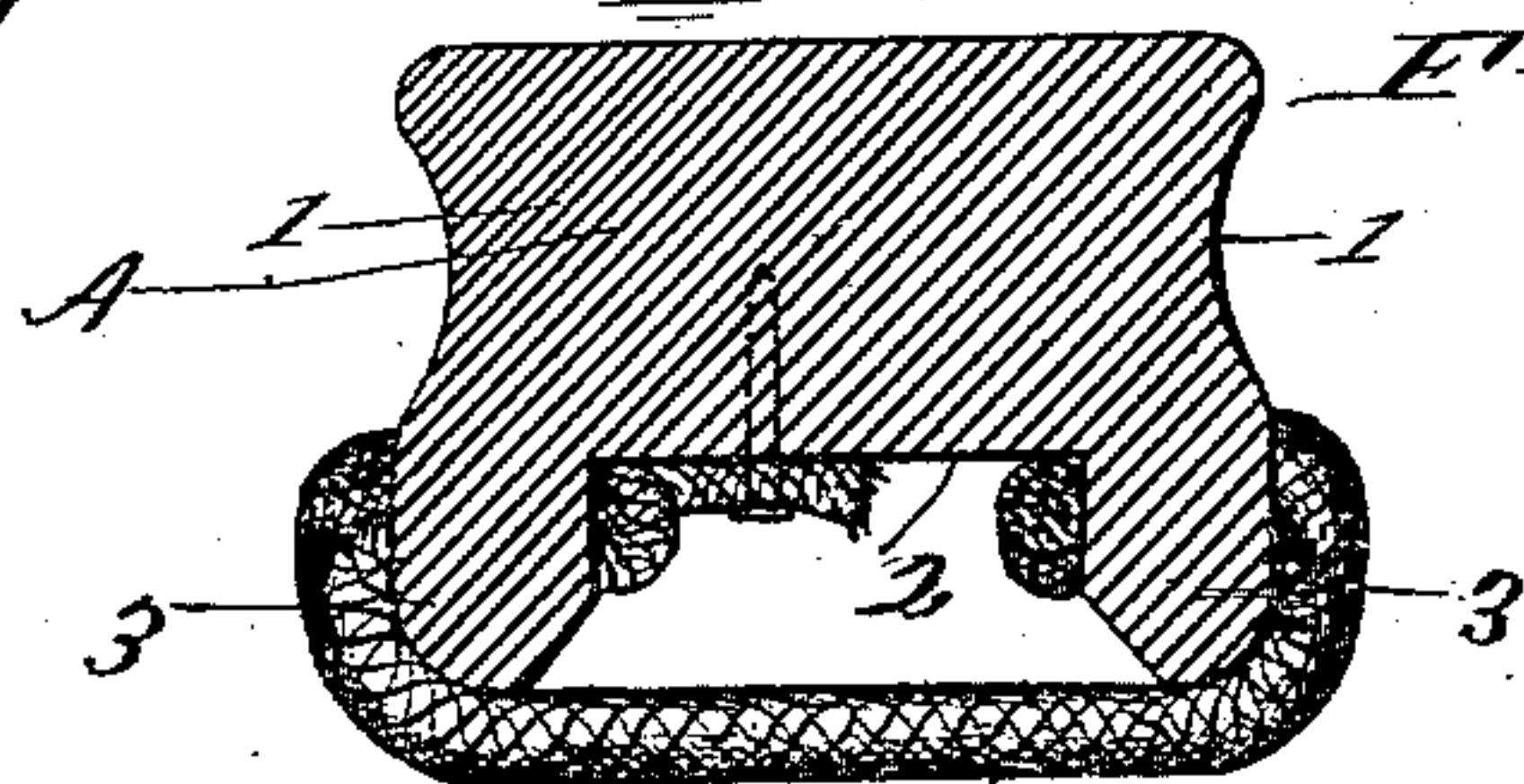
No. 458,468.

Patented Aug. 25, 1891.

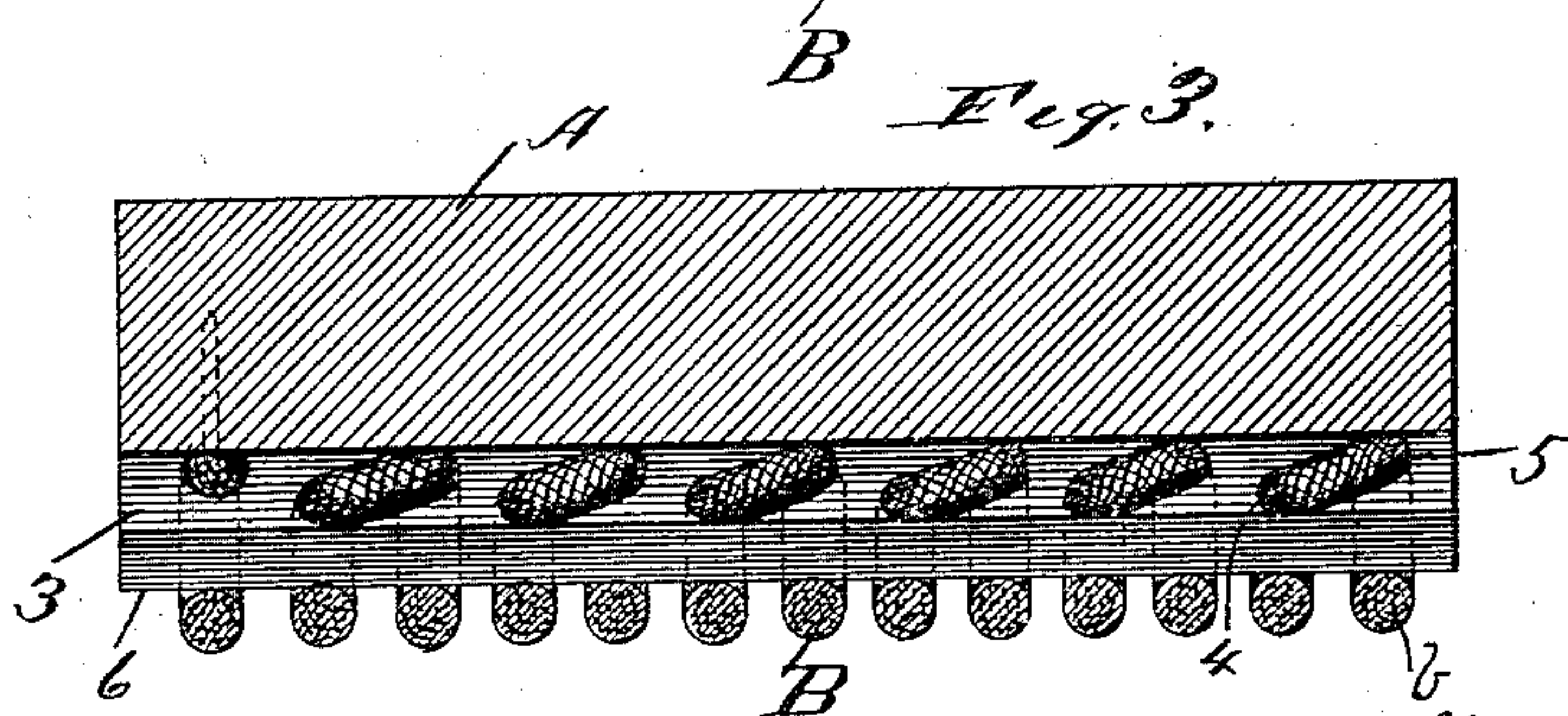
*Fig. 1.*



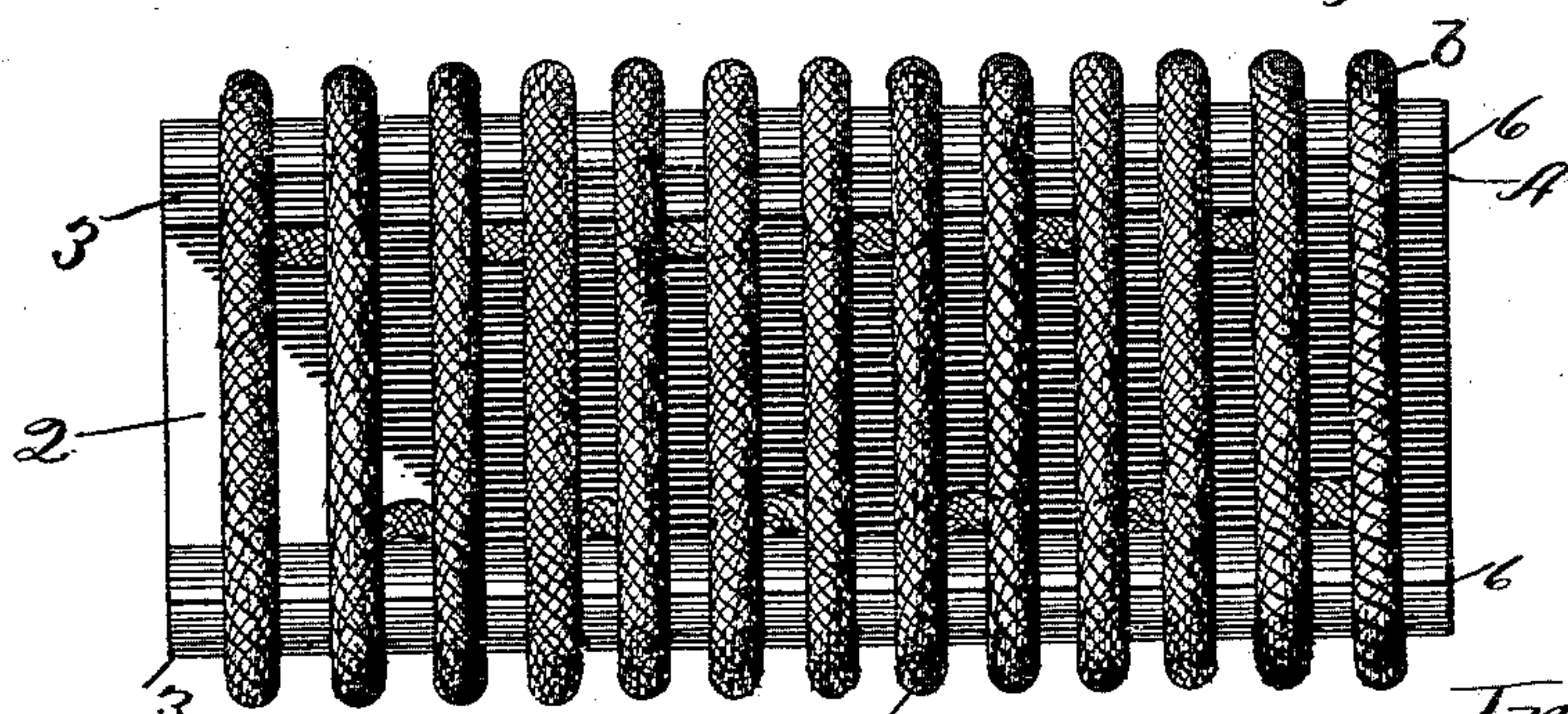
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses,  
Wm. M. Rheims  
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Inventor,  
Isaac M. Levy  
By Lott Kennedy  
attys.



# UNITED STATES PATENT OFFICE.

ISAAC M. LEVY, OF CHICAGO, ILLINOIS, ASSIGNOR OF THREE-FOURTHS TO  
HERMANN RENDTORFF, OF SAME PLACE.

## HAND-RUBBER.

SPECIFICATION forming part of Letters Patent No. 458,468, dated August 25, 1891.

Application filed February 24, 1891. Serial No. 382,598. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC M. LEVY, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hand-Washers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to hand washers or rubbers adapted to be used in washing, so as to save the hands from the rough usage incident to washing.

15 The objects of the invention are to provide a device of this character that can be used without injury to the clothing, to provide a hand-washer that will act in an efficient manner, producing as near as possible the action of the knuckles in washing, and to provide a device of this kind of simple, durable, and inexpensive construction.

The invention consists in the features of construction and combinations of parts hereinafter fully described and claimed.

25 In the accompanying drawings, Figure 1 is a perspective view of a hand washer or rubber constructed in accordance with my invention. Fig. 2 is a cross-section of the same. Fig. 3 is a longitudinal section, and Fig. 4 is a bottom plan view.

30 In accordance with the principle involved by my invention I provide a suitable block or frame that can be conveniently grasped or held and along two edges of said block arrange projecting flanges or edges. A series of flexible strands or cords of fibrous or analogous material is supported by said flanges or edges and extends across the immediate space between the same. It will  
40 thus be seen that said strands or cords rest only upon the flanges or edges, so that their immediate portions are capable of a limited movement relative to the pressure to which they are subjected. In rubbing clothing on a wash-board it is obvious that said cords or  
45 strands will yield, so that the rubbing action

will partake somewhat with the action of rubbing with the knuckles.

The particular construction of my device is as follows: A block A is provided near its rear face with side grooves 1 to permit said block to be firmly grasped or held by the hand. The front face of the block is recessed longitudinally, as at 2, to provide side flanges or edges 3. A series of perforations 4 and 5 is made in the flanges 3, and the cord or strand B is strung through said perforations and from one flange 3 to the other in an obvious manner, as shown. The end of said cord or strand is secured at its end to the block in any suitable manner. The perforations 4 alternate with the perforations 5, and said series of perforations are located on different lines, so as not to weaken the flanges 3. The edges 6 of said flanges 3, upon which the rope rests, are preferably beveled to permit the greater flexure of the strands or cords resting thereon.

It will be understood, of course, that except in the claims for the specific construction I contemplate supporting the cross-strands b of the strand B upon any suitable devices, so as to have them supported at their ends only, that their intermediate portions will possess the desired flexibility before referred to, by means of which the easy and efficient rubbing action is obtained.

I claim as my invention—

A hand washer or rubber comprising a block having side flanges and a cord or strand strung through perforations in said flanges and from one to the other of said flanges to form a series of cords or strands extending between said flanges and providing a flexible rubbing-surface.

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

ISAAC M. LEVY.

Witnesses:

WM. H. LOTZ,  
HARRY COBB KENNEDY.