

(No Model.)

T. M. ST. JOHN.
MANIFOLD COPYING PAD.

No. 559,420.

Patented May 5, 1896.

Fig. 1.

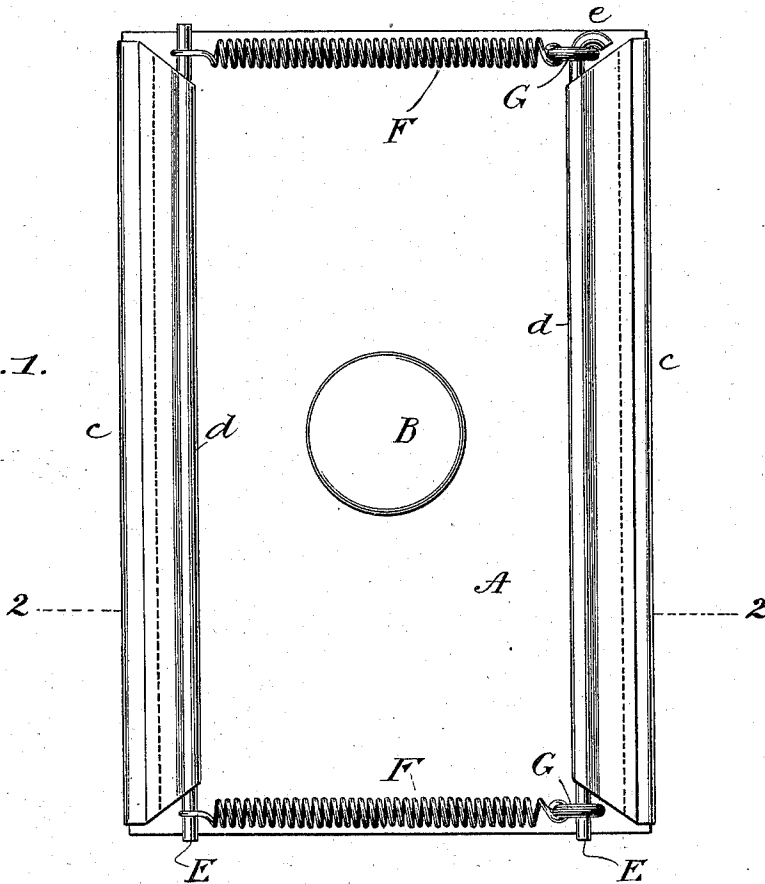
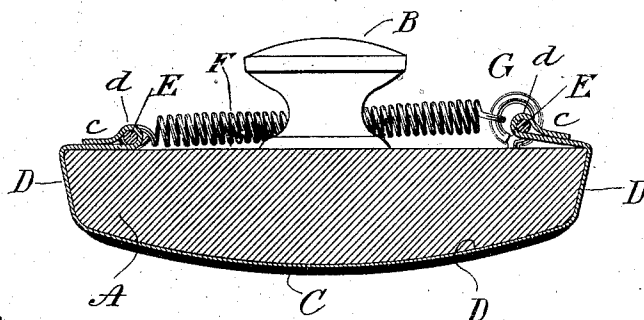


Fig. 2.



WITNESSES:

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MANIFOLD-COPYING PAD.

SPECIFICATION forming part of Letters Patent No. 559,420, dated May 5, 1896.

Application filed December 18, 1893. Serial No. 493,968. (No model.)

To all whom it may concern:

Be it known that I, THOMAS M. ST. JOHN, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Manifold-Copying Pads, of which the following is a specification.

My invention relates to that class of manifold copying devices in which a copy of matter printed, written, or delineated with a specially-prepared ink, pencil, or crayon is first transferred to a sheet, block, or film of gelatin or other hectographic material, from which manifold copies are taken on ordinary paper, parchment, or cardboard.

The object of my invention is to provide a pad or block which is easily held and operated and which is provided with a detachable sheet or film of hectographic material. I accordingly provide a block of convenient size, which may have a knob or other handle and which is provided with a sheet or film of hectographic material, that may be readily removed and replaced. The hectographic material may be attached to a flexible sheet or cloth or similar material, and the edges of the sheet may be made to extend across the sides and over the top edges of the block and may be secured together by springs.

In the accompanying drawings, Figure 1 is a plan view of a copying-pad constructed in accordance with my invention. Fig. 2 is a transverse section on the line 2 2 of Fig. 1.

The block A may be provided with a knob or handle B. On its under side the block is preferably curved, as shown, and preferably its opposite longitudinal side edges are beveled. Gelatin or other hectographic material C is made to adhere to a flexible backing D, which is preferably of waterproof material, such as thin oil-cloth or cloth enameled on one side. The edges *c* of the flexible backing D are turned over and stitched or secured, as shown, to form piping *d*, through which are inserted rods or wires E. The rods extend entirely through the pipes and project a short distance from the outer edges thereof.

Springs F are detachably secured to one of the rods E, their opposite ends being secured to the block A preferably by means of screw-eyes G, and through the screw-eyes the other rod E extends. One end of one of the rods E is shown as curved or hooked at *e*; but this construction is not essential, as the springs cause a tension on the backing D, which prevents it from slipping and holds it always in proper position relatively to the block. Where a sheet of cloth enameled on one side is employed, the layer of gelatin C is preferably attached to that side of the backing which is not enameled, so that a number of gelatin sheets may be packed for transportation without the necessity for the use of intermediate packing material to prevent the layers of gelatin from adhering to each other, as they might do if the backing were saturated with gelatin.

My improved manifold-copying pad, while strong, durable, and efficient, is inexpensive and is easily operated. It may be used as a toy by children, who can readily transfer copies of drawings, &c., to the gelatin film, and any desired number of copies may then be made. A number of gelatin pads may be supplied with each block, so that copies of different drawings, &c., may be easily made by simply removing one pad and replacing it by a new one.

I claim as my invention—

A manifold-copying pad, comprising a block, a sheet or film of hectographic material, mounted on a flexible backing, extending around the sides and over the opposite top edges of the block, rods or wires at the edges of the backing, eyes or loops on the block through which one of the rods extends, and springs connecting the eyes or loops with the other rod.

In testimony whereof I have hereunto subscribed my name.

THOMAS M. ST. JOHN.

Witnesses:

EDWARD C. DAVIDSON,
ALFRED W. VAN ZEE.