(No Model.) 2 Sheets—Sheet 1.

E. REYNOLDS.

INK PAD.

No. 424,657. Patented Apr. 1, 1890.

FIG. 1.

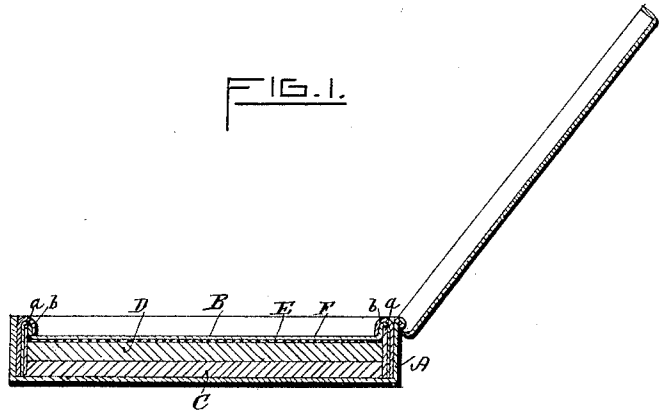
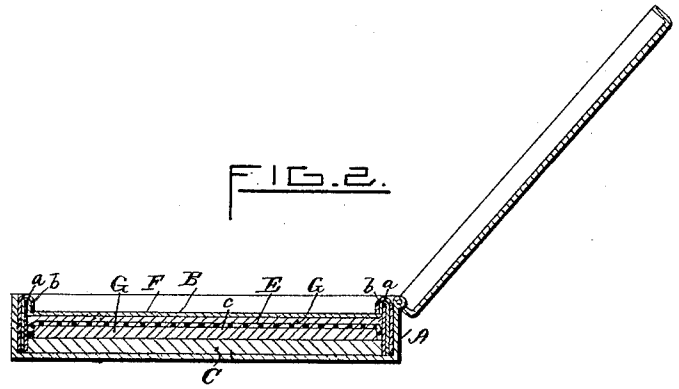


FIG. 2.



WITNESSES.

John. S. Lynch

Mark N. Heath

INVENTOR.

Edwin Reynolds

per L. Schofield

attorney

N. PETERS. Photo-Lithographer, Washington, D. C.

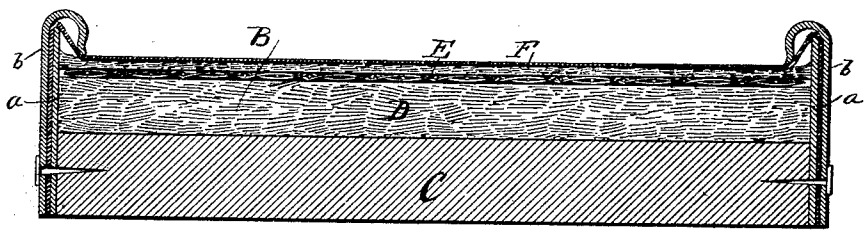
(No Model.) 2 Sheets—Sheet 2.

E. REYNOLDS.

INK PAD.

No. 424,657. Patented Apr. 1, 1890.

Fig. 3



Witnesses:
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UNITED STATES PATENT OFFICE.

EDWIN REYNOLDS, OF PROVIDENCE, RHODE ISLAND.

INK-PAD.

SPECIFICATION forming part of Letters Patent No. 424,657, dated April 1, 1890.

Application filed May 26, 1888. Serial No. 275,240. (No model.)

To all whom it may concern:

Be it known that I, EDWIN REYNOLDS, a citizen of the United States, and a resident of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Ink-Pads, of which the following is a specification.

My invention relates to ink-pads such as are employed for inking hand-stamps, and has for its object to provide pads of this character having an elastic and durable inking-surface; and it consists in a perforated detached plate, as of perforated sheet metal or wire-cloth, either embedded in the pad or interposed between the layers of the same, whereby the said plate will be caused to yield to the pressure of the die throughout its whole extent under the surface fabric, and the ink from the ink-containing material will be forced through the openings in said plate by the pressure of the die upon the pad.

Figure 1 represents a vertical transverse section of my improved ink-pad and its containing-box. Fig. 2 is a similar vertical section showing a modification in the construction of the pad. Fig. 3 is an enlarged detail section showing the method of securing the edges of the surface fabric to the pad.

In the accompanying drawings, A is the holding-box for the ink-pad, and B is the pad, which may be formed, as shown in Fig. 1, with a foundation back plate C of the desired dimensions, to the edge of which is secured the rim *a*. Upon the foundation back plate C, and within the rim *a*, is placed the piece of felt D, or other approved absorbent fabric, which is saturated with the ink composition, and over the absorbent fabric D, which holds the ink, is loosely placed the flexible plate E, which may be made either of a perforated plate of thin sheet metal or, preferably, of wire-cloth, and over the loose metal plate E is stretched the surface fabric F of the pad, the said fabric being secured at its edges over the edge of the rim *a* by means of the turned-over metal strips *b b*, which are also to be secured to the foundation bed-plate C by suitable means.

A modification of the pad is shown in Fig. 2, in which the plate E is first inserted within the rim *a* and supported loosely in an elevated position from the back plate C, and then a gelatine ink composition G is poured over the said plate E, which, passing through the openings *c* therein, fills up the space between the said plate and the back plate C, and then flows over the surface of the said plate E, after which the surface fabric F is secured, as before, by means of the rim *a* and the turned-over strips *b*.

In pads of this class as heretofore constructed the surface soon becomes broken up and uneven for lack of proper support, and by the employment of my loosely-held flexible supporting-plate, which may be either formed of perforated sheet metal or of wire-cloth, either embedded in or interposed between the layers of the pad, I am able to produce a pad which will have the required elasticity, and will tend to preserve its proper plane surface during long-continued use, thus rendering the pad better adapted for its purpose and greatly extending its durability.

The flexible plate E is not attached to the rim *a*, but is free to yield to the pressure of the die, so that as the said plate is forced downward upon the ink-containing material by the pressure of the die the ink will be forced through the openings in the said plate, thus tending to keep the surface fabric supplied with ink and in a perfectly flat condition.

I claim as my invention—

In an inking-pad for hand-stamps, the combination, with the supporting back plate, of the ink-containing material above the back plate, the surface fabric, and the interposed detached plate having openings, substantially as and for the purpose specified.

EDWIN REYNOLDS.

Witnesses:
JOHN S. LYNCH,
SOCRATES SCHOLFIELD.