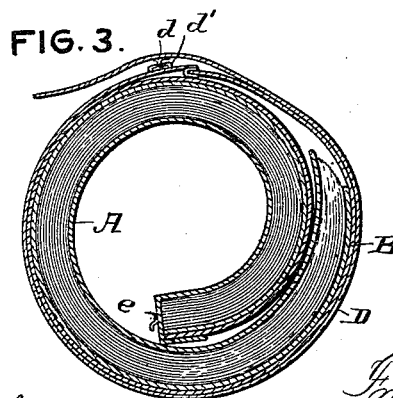
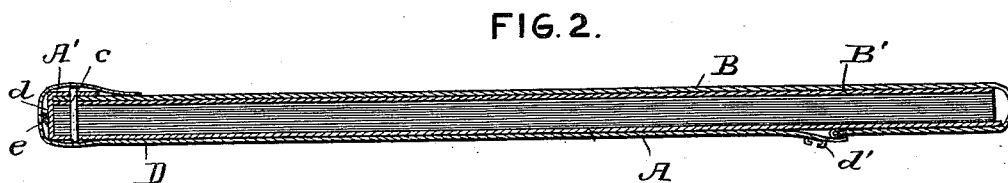
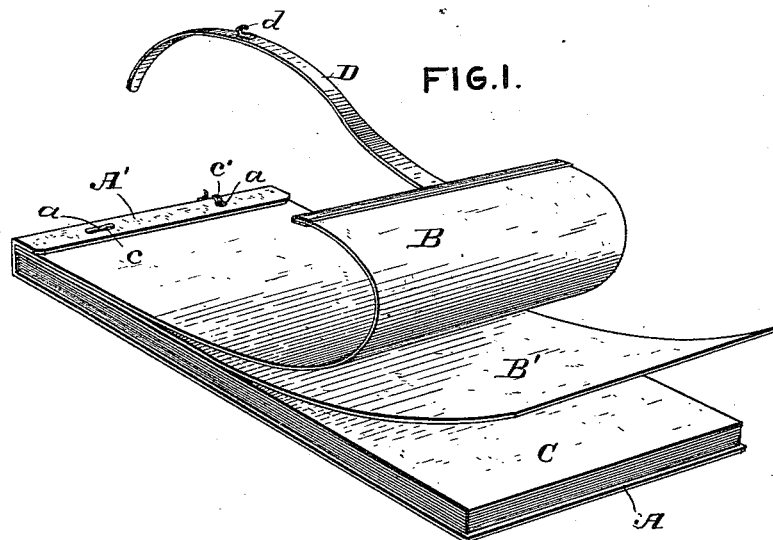


(No Model.)

F. O. CLIMER.
PORTABLE COPYING PRESS.

No. 420,037.

Patented Jan. 28, 1890.



ATTEST.
J. Henry Kaiser.
M.D., Converse

INVENTOR.
Frank Oliver Climer
by Charles E. Adamson
Attorney

UNITED STATES PATENT OFFICE.

FRANK OLIVER CLIMER, OF INDIANAPOLIS, INDIANA.

PORTABLE COPYING-PRESS.

SPECIFICATION forming part of Letters Patent No. 420,037, dated January 28, 1890.

Application filed July 3, 1889. Serial No. 316,415. (No model.)

To all whom it may concern:

Be it known that I, FRANK OLIVER CLIMER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Portable Copying-Presses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in portable copying-presses; and it consists in certain novelty in the construction, arrangement, and combination of the various parts, all of which I will now proceed to point out and describe, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective of a copying-press embodying my invention. Fig. 2 is a central longitudinal section of the press when flat and in its normal position, and Fig. 3 is a central section of the same when rolled up.

Referring to said drawings, A represents a flat sheet of suitable spring material—such as sheet-steel, spring-brass, celluloid, or other resilient substance—which constitutes a spring-back for the press. One end of said sheet or back is bent at about right angles and then bent back upon itself, forming a flange A'. In said flange and in the end of the back are eyelets or apertures *a*, the eyelets in the flange registering with those in the back. To the flange A' is secured a flexible cover B, made of leather, oil-cloth, or any preferred water-proof or semi-water-proof material. Said cover is preferably longer than the back of the press. Next to the cover, and also secured to the flange, is a sheet of water-proof oil-paper B', such as is used in ordinary letter-copying books.

C represents a copying-book composed of any desired number of leaves of ordinary copying-paper bound together and interposed between the flexible cover and spring-back, one end of said book being secured to the flanged end of said spring-back by means of removable rivets *c*, passing through the eyelets *a* and through said copying-book, or simply by a string or tape *c'*, passed through said book and eyelets and tied. If desired,

an ordinary paper-fastener may be used as the rivet. Any other preferred means of attaching the book to the back may be employed. It is only necessary that said fastening be so arranged that when desired the book may readily be detached and a new book substituted.

To the free end of the flexible cover B is attached a strap D, having on its inner side at or near its end a hook *d*. When the press rolled up, as hereinafter described, the hook *d* engages with an eye or catch *d'* on the opposite side of said strap and near the cover. When the press is flat, the strap passes over the spring-back, and the hook *d* engages with an eye or catch *e* on the flange end of the spring-back and aids in holding said back flat.

The operation of the press is as follows: The flexible cover is first turned back and a leaf of the copying-book sufficiently dampened, either by the use of a brush and blotter, a dampening-pad, or in any other desired manner. The letter or manuscript to be copied is then placed upon said damp leaf, the flexible cover placed over the same, and the copying-book and cover tightly rolled around and upon the spring-back, said spring-back being on the inside of the roll, as shown in Figs. 2 and 4. The strap *d* is then wound around the roll until the hook *d* engages with the eye or catch *d'*, the outward pressure of the spring-back against the tension of the retaining-strap making a thorough contact between the letter and copying-page and producing a perfect copy of said letter. When the strap is released, the spring-back regains its normal position. For very large presses two straps may be used.

While my invention is especially designed for a portable press, particularly adapted for the use of travelers, it is apparent that it may also be used as an ordinary press for general office purposes. It may either be rolled into a compact form and placed into a drawer or file case or it may be left flat and placed upon a shelf with other books.

When the copying-book becomes filled, it may be removed, as hereinbefore stated, and a new book substituted, the old book being filed for future reference.

In the construction I have above described

I produce a simple and effective portable copying-press, which is easily manipulated and possesses many advantages over presses which have heretofore been constructed for this purpose.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a copying-press, the combination, with a flat spring-back formed of a sheet of resilient material, of a series of leaves of copying-paper secured at one end to the spring-back and adapted to be rolled up with and around said back, substantially as shown and described, as and for the purpose set forth.

2. In a copying-press, the combination,

with a flat spring-back, of a series of leaves of copying-paper secured at one end to the spring-back, a flexible cover also secured to the back and extending over the copying-leaves, and a retaining-strap attached to the free end of the cover and adapted when said cover, leaves, and back are rolled up to be wound around the same to retain them in a rolled position, substantially as shown and described, as and for the purpose set forth.

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

FRANK OLIVER CLIMER.

Witnesses:

GEO. H. KOONS,
WILL P. KOONS.