

No. 756,139.

PATENTED MAR. 29, 1904.

J. H. PETROSKEY.
MANIFOLDING DEVICE.
APPLICATION FILED SEPT. 14, 1903.

NO MODEL.

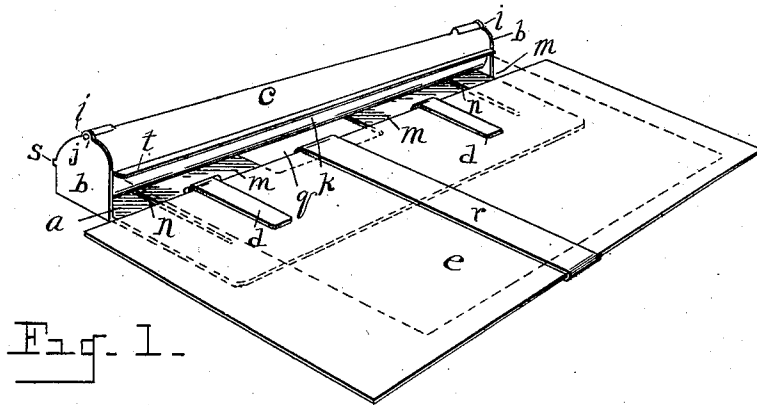


Fig. 1.

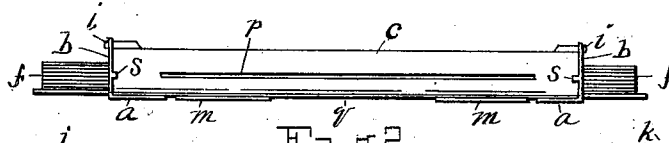


Fig. 2.

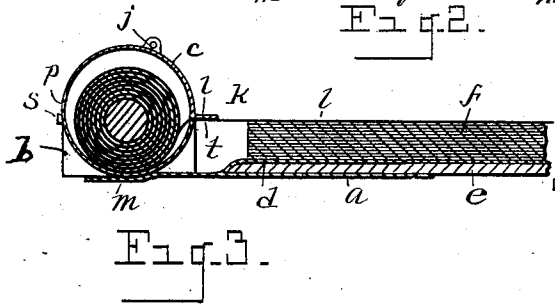


Fig. 3.

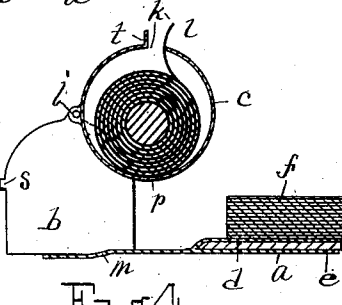


Fig. 4.

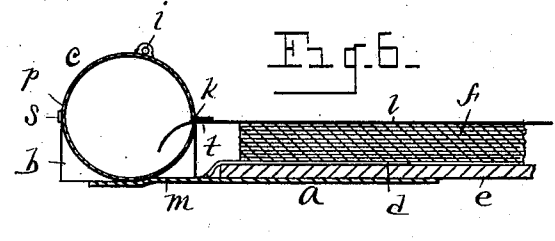


Fig. 5.

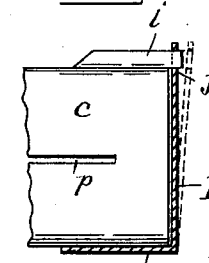


Fig. 6.

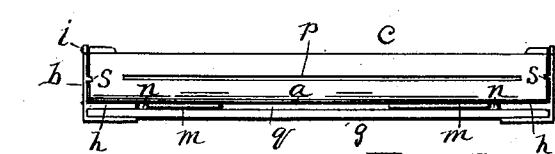


Fig. 7.

WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN H. PETROSKEY, OF DETROIT, MICHIGAN, ASSIGNOR TO HENRY H. NORRINGTON, OF WEST BAY CITY, MICHIGAN.

MANIFOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 756,139, dated March 29, 1904.

Application filed September 14, 1903. Serial No. 173,090. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. PETROSKEY, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Manifolding Devices, of which the following is a specification, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object certain new and useful improvements in a manifolding device; and it consists of the construction, combination, and arrangement of devices hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective illustrating my invention. Fig. 2 is a view in rear elevation. Fig. 3 is a view in cross-section showing the cylinder in normal position and containing a roller with carbon-sheet wound thereupon. Fig. 4 is a similar view showing cylinder in position to insert the carbon-sheet or roller. Fig. 5 is a partial vertical longitudinal section through one end of the cylinder. Fig. 6 is a view in cross-section similar to Fig. 3 and showing a carbon-sheet engaged with the cylinder. Fig. 7 is a view in rear elevation showing the cylinder mounted upon a base and illustrating a modification of the invention.

The aim of my present invention is to provide more especially in a manifold device a cylinder to hold the carbon-sheet either mounted upon a roller or separate from the roller, as may be preferred, the construction being such that the carbon-sheet or roller may be readily engaged in place or adjusted or removed, as may be desired, so that the carbon-sheet may be replaced readily and may be readily drawn forward, held in position, or detached, as circumstances may require.

I carry out my invention as follows:

In the drawings, *a* represents any suitable base. In Figs. 1 to 6 the base is shown formed with the integral brackets or shoulders (indicated at *b b*) to support a cylinder *c*. In Figs. 1 to 6 said base is shown provided with clamping-arms, (indicated at *d d*), whereby the base *a* may be engaged upon an additional support

e—as, for example, the cover of a book or upon leaves of a book in which it may be desired to make a carbon copy. Said additional support may be employed to carry a block or plurality of sheets *f*, upon which carbon copies are to be made. In the form shown in Fig. 7 the brackets or shoulders *b b* are shown attached to any suitable supporting-base *g* by means of clamping-ears, (indicated at *h h*.)

I would have it understood that I do not limit my invention to any particular construction of the base nor to any particular manner of attaching the brackets or shoulders *b b* to a base, as my invention contemplates any suitable base provided in any desired manner with brackets or shoulders *b b* to support a cylinder *c*. The cylinder *c* has a pivotal and eccentric connection with said brackets, the cylinder being provided at a suitable point upon its periphery with pivotal arms, (indicated at *i i*), by which the cylinder is eccentrically suspended at a suitable point upon the upper edge of said shoulders or brackets, the shoulders or brackets being provided with orifices (indicated at *j*) to receive said pivotal pins. The shoulders *b b* are constructed of sheet metal, and preferably of spring sheet metal, so that their upper ends may readily be sprung apart sufficiently to readily receive the insertion of the cylinder with its pivotal pins in place, the shoulders then springing back when the cylinder has been engaged in place to hold the cylinder from inadvertent disengagement therefrom. The cylinder is formed with an opening (indicated at *k*) at the front thereof, the opening being preferably formed by the meeting edges of the metal of which the cylinder is formed. The cylinder is also made of spring sheet metal, so that the edges forming the opening *k* may be closed together upon a carbon-sheet *l*, drawn therethrough, closing said edges together, effectually binding the carbon-sheet in place when the cylinder is in normal position, so that the carbon-sheet is held from being displaced. The ends of the cylinder itself are open, but when in normal position are closed by being swung downward inside the brackets or shoulders *b b*, having its edges adjacent to the opening *k* closed to-

gether by spring-arms *m m* at the rear edge of the base, said arms being readily formed by kerfing the rear edge of the base, as indicated at *n n*, a suitable distance, the rear edges of the spring-arms *m m* being preferably turned downward slightly, as shown. The cylinder is so mounted in its brackets that when it is swung down into normal position it will press upon the spring-arms, the spring-arms thereby forcing the open edges of the cylinder together to bind the carbon-sheet therebetween, as shown. In order to more readily accomplish this end and make the edges of the cylinder spring together more readily, I prefer to kerf the cylinder on the rear side thereof, as indicated at *p*. The base *a* is preferably recessed between the spring-arms, as indicated at *q*, the recess assisting in forming the spring-arms already mentioned and also permitting the engagement of an elastic band *r* in said recess to aid in holding the base *a* upon any suitable support. The brackets *b b* are also preferably provided at their rear edges with stops *s s* to limit the movement of the cylinder when swung down into normal position. I prefer also to construct one edge of the cylinder adjacent to the opening *k* with a projecting straight edge *t* to facilitate the tearing off of the carbon when a portion of the same has become worn, the edge *t* forming a cutting edge.

What I claim as my invention is—

1 In a manifolding device a base provided with yielding brackets and a cylinder eccentrically mounted in said brackets, said cylinder provided with a longitudinal opening, and means to close said opening when the cylinder is in normal position.

2. In a manifolding device a base provided with spring-metal brackets, and a spring-metal cylinder eccentrically mounted in said brackets, said cylinder constructed with a longitudinal opening whereby the cylinder may be swung down therebetween into normal position and out of normal position, and means to close said opening, when the cylinder is in normal position.

3. A manifolding device provided with

brackets, a spring-metal cylinder provided with a longitudinal opening having a pivotal eccentric engagement with the brackets, said cylinder constructed with open ends, the ends thereof being closed by the brackets when the cylinder is in normal position, and means to close said opening when the cylinder is in normal position.

4. In a manifolding device the combination of a base provided with brackets and with spring-arms, a swinging cylinder eccentrically mounted in said brackets provided with a longitudinal opening, said cylinder contacted with the spring-arms when in normal position whereby said opening will be closed.

5. In a manifolding device a base provided with clamping-arms and with spring-arms and with brackets, a swinging cylinder eccentrically mounted in said brackets provided with a longitudinal opening, said cylinder contacting with the spring-arms when in normal position to close said opening.

6. In a manifolding device a base provided with clamping-arms and with spring-arms and with brackets, a swinging cylinder eccentrically mounted in said brackets provided with a longitudinal opening, said cylinder contacting with the spring-arms when in normal position to close said opening, said cylinder also provided with an elongated opening on the rear side thereof and with a cutting edge.

7. In a manifolding device a base provided with clamping-arms and with spring-arms and with brackets, a spring-cylinder eccentrically mounted in said brackets provided with a longitudinal opening, said cylinder contacting with the spring-arms when in normal position to close said opening, said base recessed on its rear edge between the spring-arms for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN H. PETROSKEY.

Witnesses:

N. S. WRIGHT,
M. L. SIMMONS.