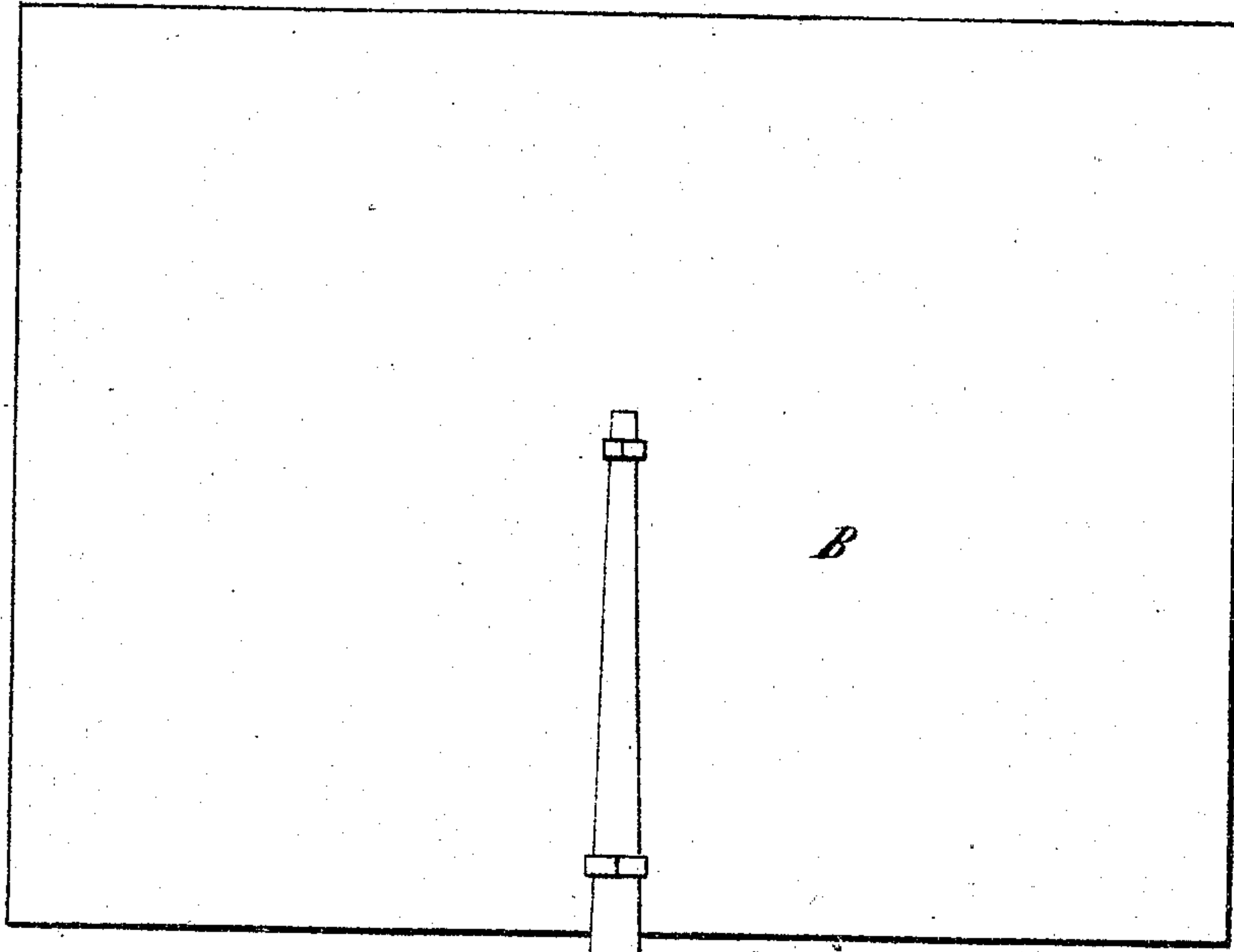


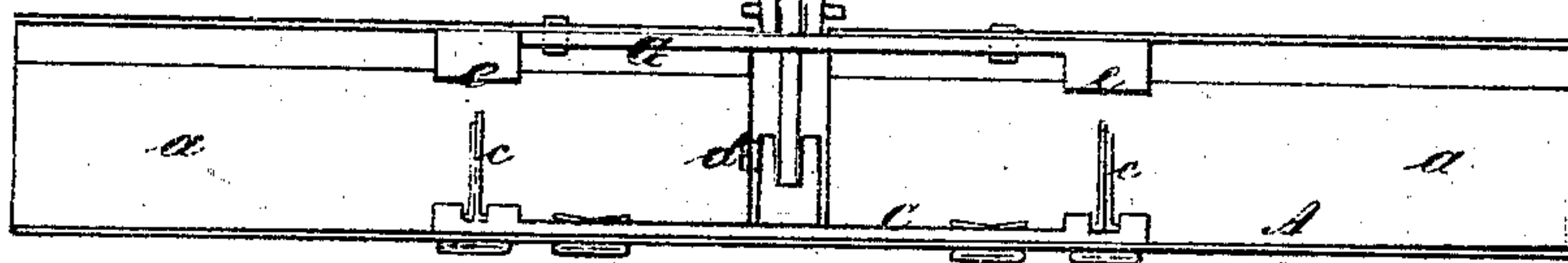
# *Geo. Rowe's Spring Clip.*

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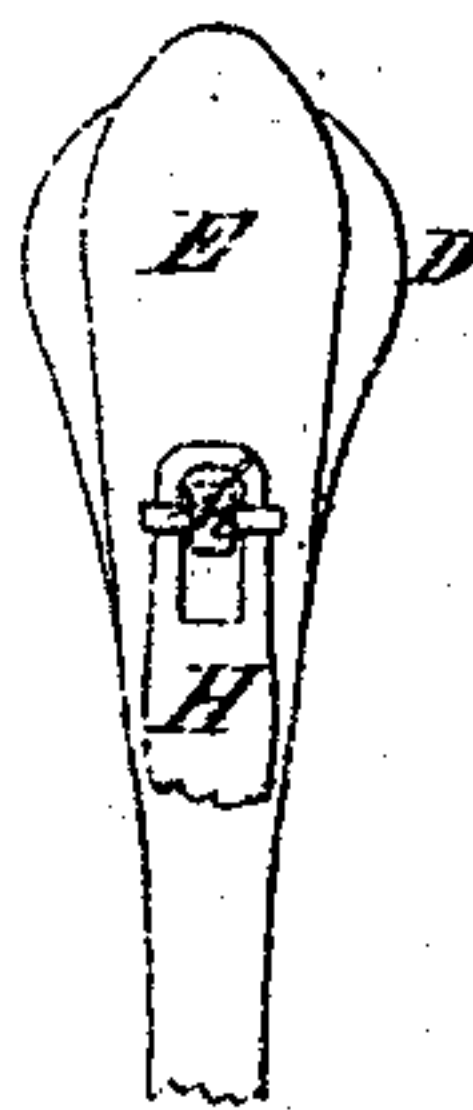
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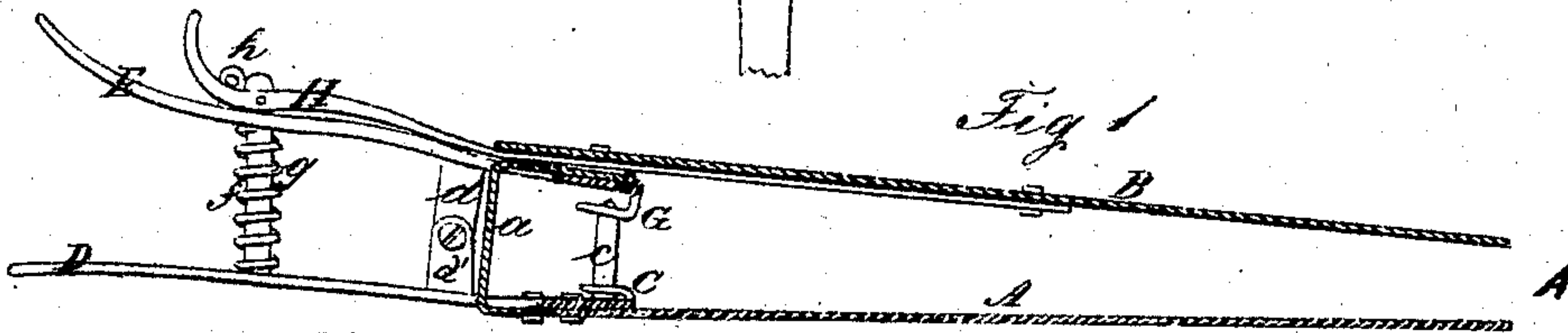
*Fig 2*



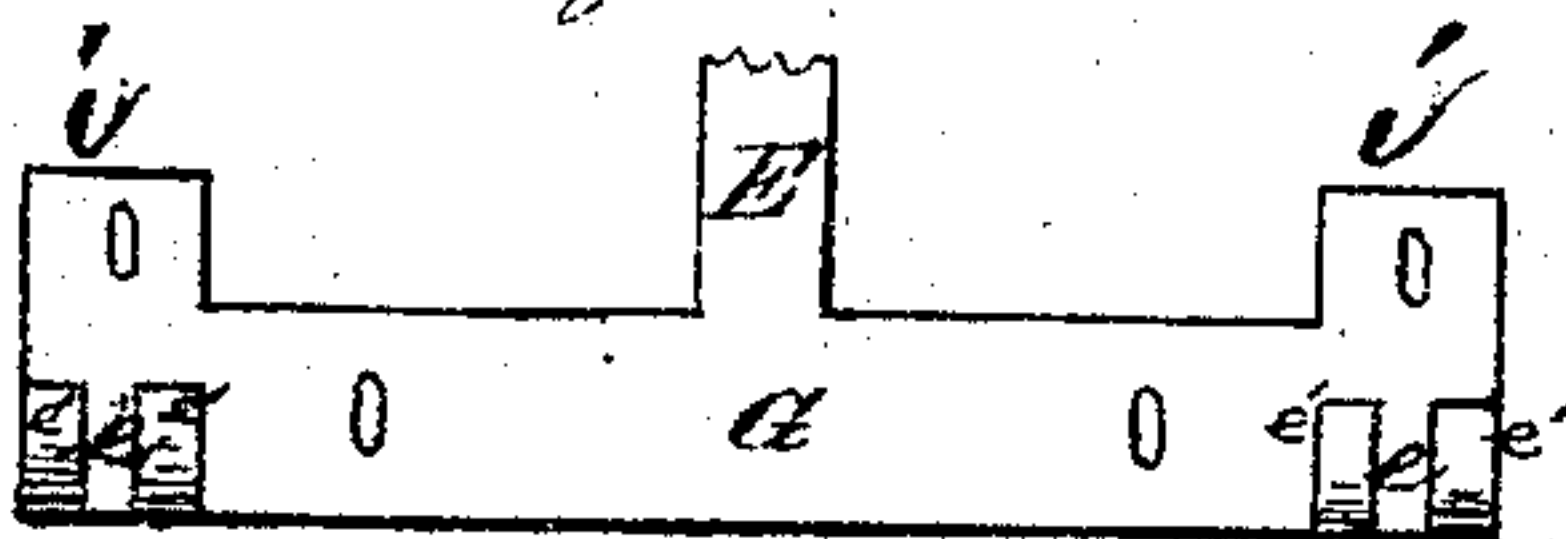
*Fig 4*



*Fig 1*



*Fig 3*



*Fig 5*

Inventor:

Witnesses:

Parker. H. Sweet, Jr.  
W. J. Ludlow

George. Rowe.  
by his Attorney  
James L. Norrie.

# UNITED STATES PATENT OFFICE.

GEORGE ROWE, OF LONDON, ENGLAND.

## IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. 117,688, dated August 1, 1871.

*To all whom it may concern:*

Be it known that I, GEORGE ROWE, of Cornhill, in the city of London, England, have invented a new and useful Improvement in Spring-Clips for Filing Journals, Music, Business, and other Papers; and I do hereby declare that the following is a clear and exact description thereof, sufficient to enable those skilled in the art to make and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a sectional view of my improved spring-clip. Fig. 2 is an end view, in which cover B is shown in an elevated position; while Figs. 3, 4, and 5 are views of detached parts.

Like letters of reference indicate corresponding parts in each figure.

My invention relates to that class of devices known as spring-clips for holding and filing temporarily music, business, and other papers; and it consists of a certain combination and construction of parts as will hereinafter more fully be set forth.

In the drawing, A and B designate the cover, composed of separate pieces of suitable material, say, such as mill-board. The bottom piece A is bent or turned upward so as to form the back *a*, as shown in Figs. 1 and 2. C is a doubled piece of flat metal, extending about the length of and secured upon the inside face of the cover A, the upper portion of the said flat piece, near its end, being provided with transverse slots *b* to receive the heads of and and retain in position the upright pins *c c* for the paper to pass over. Attached at or about the center to the cover A, or formed with the metallic piece C, is a flat holder or lever, D, provided with a stud, *f*, and nib *d'* in the rear of the back *a*, for a purpose hereinafter to be mentioned. G is a flat piece of metal, extending about the length of and secured to the back *a* of the cover A, said piece of metal being provided with arms *i i* and openings or slots *e e* near its end, so that, when the metal piece G is secured upon the cover A, the slots or openings *e e* will be opposite to and receive the pins *c c* when the covers A B are brought together, the said pins *c c* passing through the papers into the slots or openings *e*, thus binding the same in position between the part *a* of the cover. E is a lever provided with the stud *d*, which is pivoted or otherwise secured to the stud *d'* of the lever D, said lever E being

securely fastened upon or formed with the metal plate G so as to elevate or depress the back *a* of said cover A. The lever E is formed with an opening through which passes the stud *g* of the lever D, the said stud *g* being surrounded with a reacting or coiled spring, *f*, which, owing to its elasticity, forces the hinged lever E outward, causing the plate G to advance toward the plate C; hence the insertion of the pins *c c* through the slots or openings *e*, formed by tongues *e'*, which are bent over upon the plate G. H is a thumb-lever, hinged near one end, preferably upon the top of the stud *g*, while its other end is securely fastened upon the cover or mill-board B. A slot is formed in the thumb-lever H through which passes a stud, *h*, projecting from the surface of the lever E, said stud being formed with an opening to receive a pin to hold the lever H and permit the cover A to be thrown back without detaching the paper. By these means, when the lever E is depressed to introduce the papers desired to be filed within the back *a*, the cover B will be raised, and by placing the papers between the covers on the top of the pins *c c* and releasing the lever E the said pins will penetrate and be forced through the paper into the slots or openings *e* by the pressure of the spring *g*, the papers thus being held in the file and protected from injury by the covers A B. Thus it will be seen that when the lever H is pressed down it will raise the cover of the file, while the lever E will uncover the pins ready to place the paper, thereon to be filed and held, and by releasing the pressure on the lever E the spring will press the papers over the upright pins.

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

1. The levers E H, combined and operating in connection with the covers A B, substantially as and for the purpose set forth.

2. The metallic plates C G provided with pins *c* and openings *e* and secured upon the cover A, and operated upon by the pivoted levers D E, as described, in combination with the lever H of the cover B, and the reacting spring *g*, substantially as and for the purpose set forth.

G. ROWE.

Witnesses:

BENJ'N BROWNE,  
A. BROWNE,

85 Gracechurch street, London.