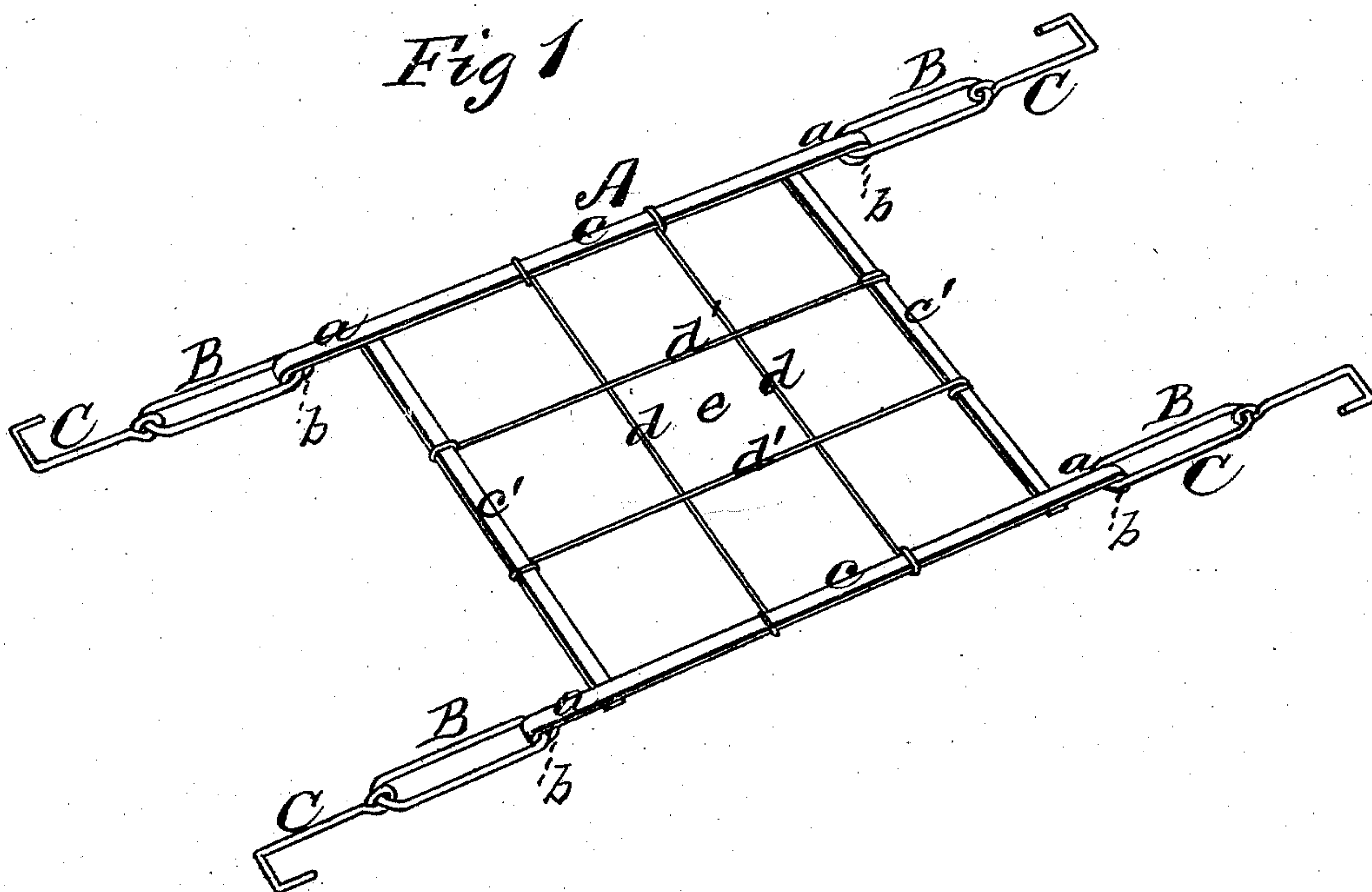


W. C. JOHNSON.

FRISKET FOR TYPE-WRITING MACHINE.

No. 171,139.

Patented Dec. 14, 1875.



WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM C. JOHNSON, OF NEWBURYPORT, MASSACHUSETTS.

## IMPROVEMENT IN FRISKETS FOR TYPE-WRITING MACHINES.

Specification forming part of Letters Patent No. **171,139**, dated December 14, 1875; application filed October 23, 1875.

*To all whom it may concern:*

Be it known that I, W. C. JOHNSON, of Newburyport, in the county of Essex and State of Massachusetts, have invented a new and valuable Improvement in Protectors for Type-Writers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my protector.

This invention has relation to improvements in attachments to "type-writers."

The object of the invention is to prevent the ink ribbon or tape from flapping against and smudging the paper and rubber guides or friction-bands which hold the paper against the printing-cylinder, thus preventing an accumulation of the ink upon the said friction-bands, and its consequent transference to the paper. To this end the nature of the invention consists in a reticulated frame interposed between the printing-cylinder and the ink-ribbon, whereby, while sufficient mobility is retained for the necessary play of the ink-ribbon, it is prevented from flapping up against and smudging the guides or the paper, as will be hereinafter more fully explained.

In the annexed drawings the letter A designates a rectangular metallic frame, the corners of which are provided with extensions *a*, terminating in an eye, *b*, by means of which elastic bands B are connected thereto. The lateral bars *c* of this frame are connected by two or more spaced metallic wires, *d*, and the end bars *c'* by similar wires *d'*, both of which are adjustable to or from each other, for the purpose of increasing or diminishing the size of the interior square *e* of the frame, for a purpose hereinafter explained. Elastic bands B are provided with hooks C, by means of

which the protector-frame A is interposed between the printing-cylinder and the ink-ribbon, the said hooks being in the machines now in use hooked into the corners of the slots through which the ink-ribbon passes. When thus secured the type will strike upward through the central square *e*, marked out by the transverse wires *d d'*.

In practice these wires will be respectively adjustable to or from each other, for the purpose of decreasing or increasing the size of these squares, the effect of the increase being to make a stronger and clearer impression on the paper, and of the decrease to allow the type, as when a freshly-marked ribbon is in use, to strike with less force upon the ribbon, and consequently to print a clear impression, but not to spread too much of the ink upon the paper, whereby the impression on the paper would be liable to smear.

The value of this construction will be readily appreciated by those skilled in the art of type-writing, if it be taken into consideration that in all machines wherein an ink-ribbon is used for spreading ink over type the first impressions are generally too heavy, while the later ones are generally indistinct, and at times barely legible. By the use of my machine the first and last impressions are equalized.

What I claim as new, and desire to secure by Letters Patent, is—

The hooks C, elastic band B, and reticulated frame A, combined and adapted for use substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM C. JOHNSON.

Witnesses:

GEORGE W. TREFETHEN,  
LESTER G. NOYES.