2 Sheets—Sheet 1.

W. J. ADAMS.
Type-Clamp,

No. 224,372. **Patented Feb. 10, 1880.**

Fig. 1.

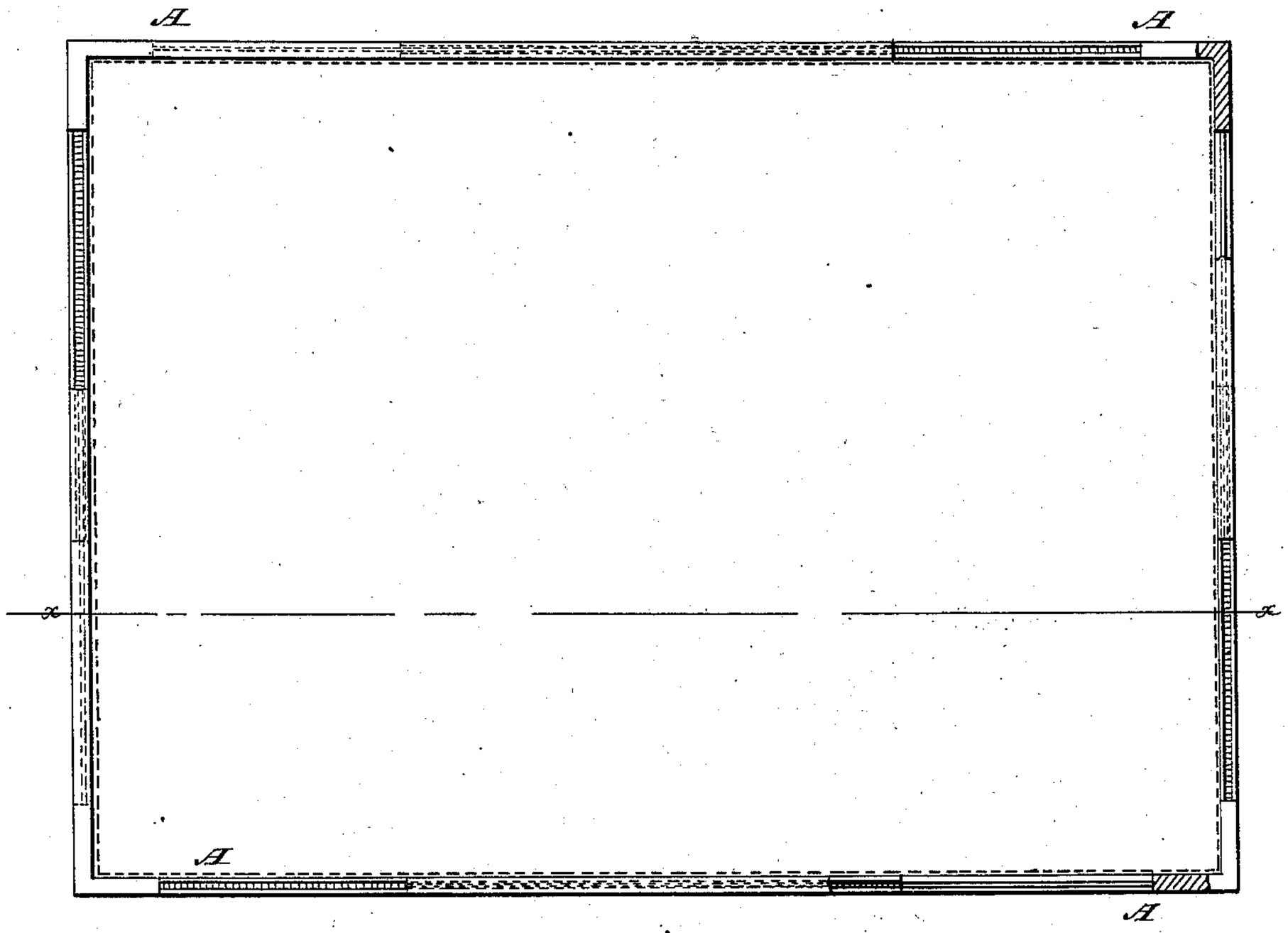


Fig. 2.

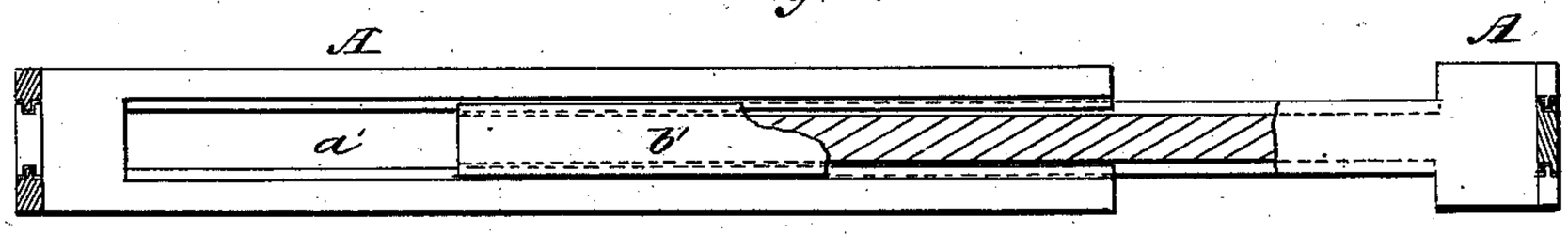
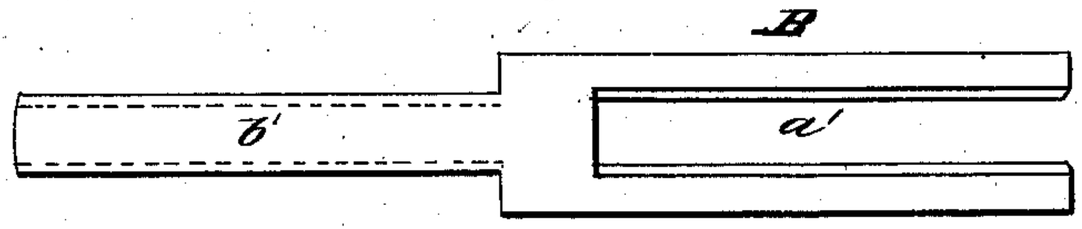


Fig. 3.



WITNESSES:
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C. Sedgwick

INVENTOR:
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ATTORNEYS.

2 Sheets—Sheet 2.

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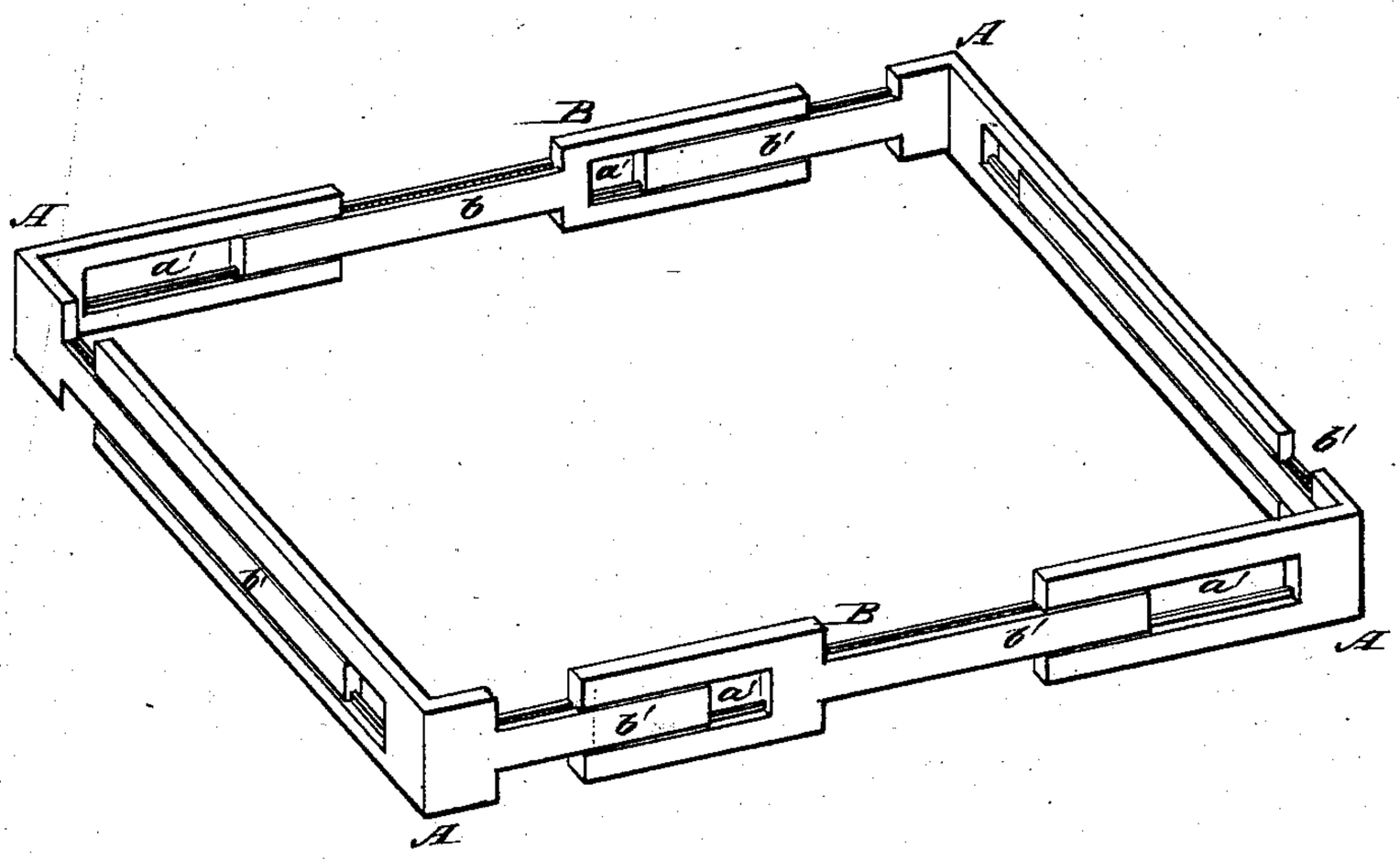
Fig. 4.



WITNESSES:

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INVENTOR:

W. J. Adams

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UNITED STATES PATENT OFFICE.

WILLIAM J. ADAMS, OF PHILADELPHIA, PENNSYLVANIA.

TYPE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 224,372, dated February 10, 1880.

Application filed September 13, 1879.

To all whom it may concern:

Be it known that I, WILLIAM J. ADAMS, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and Improved Adjustable Type Clamp or Chase, of which the following is a specification.

Figure 1 is a plan of the device. Fig. 2 is a sectional elevation on line *x x*, Fig. 1. Fig. 3 is a side elevation of a section of the clamp or chase. Fig. 4 is a perspective view of the same about a form of types.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a simple and effective device for holding types in place when set up.

The invention consists of four tongued and grooved flat metal bands, each bent at a right angle, so that when fitted together they form an adjustable rectangular frame that may be extended or contracted as required to fit a form of types.

In the drawings, A A represent the bands, fitted together and forming a rectangular frame, each band having a tongued slot, *a'*, in one end and a grooved tongue, *b'*, at the other, and the tongue of each band will fit into and slide in the slot of any of the others, so that the bands may be put together and adjusted to accommodate themselves to the dimensions of the form of types.

In Fig. 3 is shown a straight section, B, slotted, tongued, and grooved in the same manner. Sections like this may be fitted into the frame to extend it in either direction.

The frame is preferably made of brass or copper, that it may not rust when the types within it are being cleaned, and it is of nearly or quite the height of the types below the face, thereby forming a firm and complete binder for the whole side surface of the types. Its compact form and light weight make it a most desirable article for the purpose intended. It does away with the old method of "tying up," by which much time was wasted and much annoyance caused, and substitutes therefor a light and durable article and one easily handled. It is more easily applied, adjusted, and removed than the cord in use, is not liable to get out of order, nor does its use require any special skill. It removes all danger of the types falling out or "going to pi." It need not be removed from the form, after once being put on, until the types are to be distributed, and whenever it is used types can be removed from jobs that are standing without the present attending danger of the remaining types falling. It is adapted to any work where types are used, for pages of book-work, circulars, cards, blank-book headings, sectional borders, &c., and, being adjustable, will fit any size of page. It can also be used for other purposes than those above set forth—as, for instance, a paper-box-maker's gage.

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

The within-described type-clamp, consisting of bent, tongued, and grooved and slotted flat metal bands A A, in combination with slotted tongued and grooved straight bands B B, substantially as herein shown and described.

WILLIAM JOHN ADAMS.

Witnesses:

GEORGE RAEMMELE,

JOHN SPLANE.