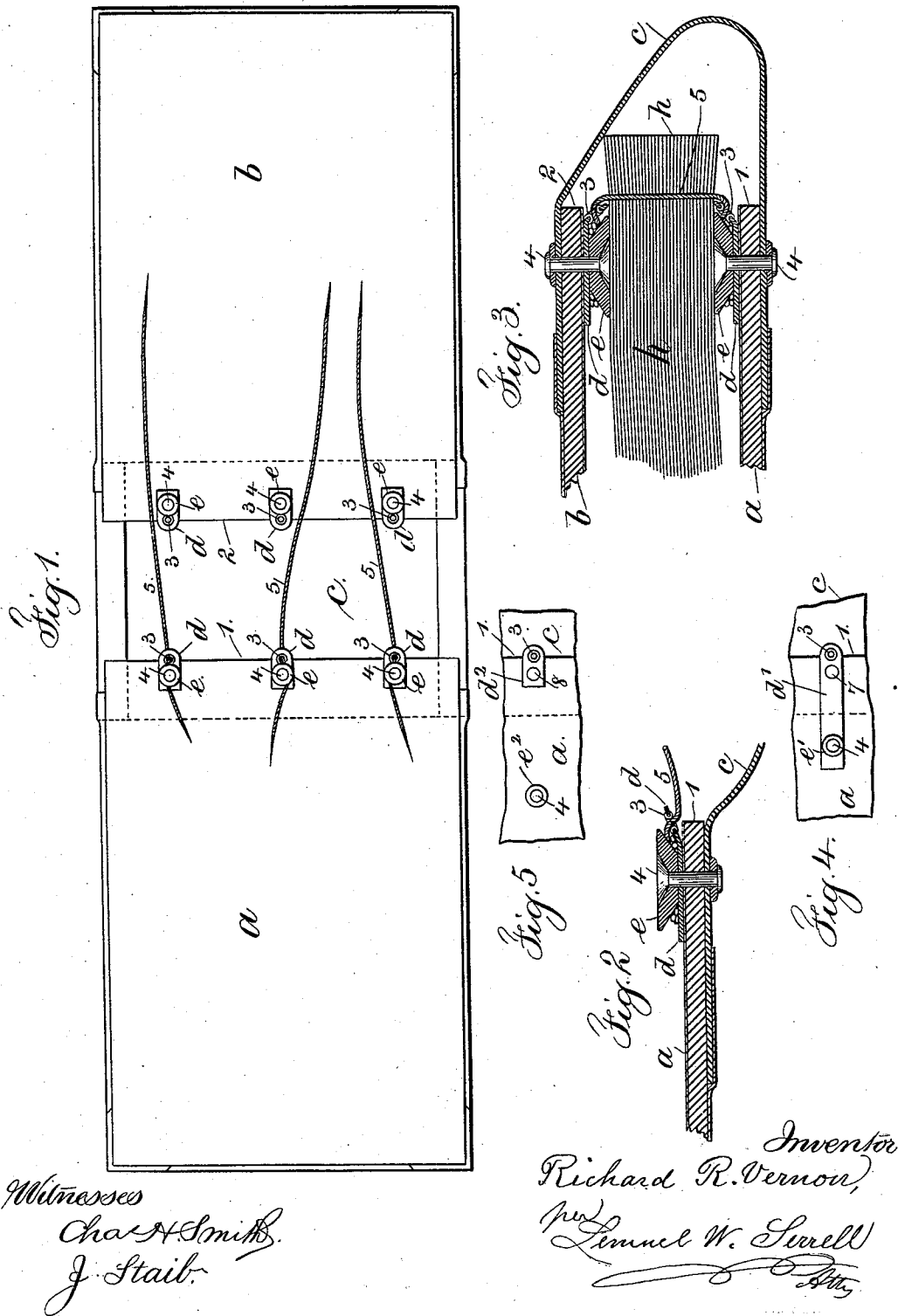


(No Model.)

R. R. VERNON.
TEMPORARY BINDER.

No. 534,090.

Patented Feb. 12, 1895.



UNITED STATES PATENT OFFICE.

RICHARD RADLEY VERNON, OF BROOKLYN, NEW YORK.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 534,090, dated February 12, 1895.

Application filed January 15, 1894. Serial No. 496,901. (No model.)

To all whom it may concern:

Be it known that I, RICHARD RADLEY VERNON, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Temporary Binders, of which the following is a specification.

My invention is adapted for all classes of temporary binders, but the same relates particularly to such temporary binders as are employed by railway, express and shipping companies for holding sheets upon which are copied bills of lading and similar papers which are thereafter removed from the binders and preserved for future reference.

In carrying out my invention and in combination with the covers and flexible back connecting the covers, I employ independent flexible tongues with eyes or eyelets therein, and buttons around which the respective ends of the attaching cords are wound in securing the sheets or leaves together in the covers. These independent flexible tongues are secured at intervals upon the inner faces of the covers adjacent to their inner back edges. The tongues and buttons are preferably arranged together and are secured by rivets to the covers. They may be secured separately, but I prefer to secure one tongue and one button together and to the cover by a single rivet and to arrange the same at points opposite to each other upon the inner back edges of the covers. This simplifies the construction and effects the most convenient arrangement of the parts.

In the drawings, Figure 1 is a plan of the inner faces of the covers laid out flat. Fig. 2 is a section in enlarged size through the back edge of one cover and through one tongue and button. Fig. 3 is a section in enlarged size through the covers and sheets at the line of the tongues and buttons, and Figs. 4 and 5 represent modifications in the relation of the tongues and buttons.

a and *b* are the two covers of the temporary binder and *c* the flexible back connecting said covers. These parts may be made in any desired manner and of any suitable material.

1 and 2 are the inner back edges of the covers *a* *b* adjacent to the flexible back *c*, and at intervals and near these edges the tongues *d* are secured to the covers preferably by rivets,

and in the outer free ends of said tongues are eyelets 3 through which pass the cords 5 employed to connect or bind together the sheets or leaves *h*. These tongues *d* are of flexible material such as leather or vellum so that they can bend and conform in position to the closed and open condition of the covers *a* *b* and sheets or leaves *h*.

I employ buttons *e* secured by rivets 4 to the inner faces of the covers adjacent to the back edges and contiguous to the flexible tongues *d*, so that one tongue and one button form a device by which each end of the respective strings or cords is secured to the covers in binding the leaves or sheets in place. These are arranged at points opposite to each other upon the inner back edges of the covers. The buttons *e* are conical or tapering upon their under face so as to grasp or nip the cords as the same are wound around said buttons, and they are preferably made of leather, rawhide or similar material.

In Fig. 1, I have shown each tongue *d* and its button *e* secured by single rivets 4, and I prefer this construction because of its simplicity and economy in construction, but I have shown in Figs. 4 and 5 slight modifications as follows: In Fig. 4 the tongue *d'* is shown as of increased length with an attaching rivet 7 near the eyelet 3 and with the button *e'* and its rivet 4 at the extreme end of the tongue; and in Fig. 5 the tongue *d''* corresponds in length to those shown in Fig. 1 and the same is held to the cover by a rivet 8, and the button *e''* is secured to the cover at a distance from but preferably in line with the said tongue.

In securing the sheets or leaves in my improved temporary binder, the strings or cords 5 are passed through the back portions of the sheets or leaves in any convenient manner and the respective ends of said cords 5 are passed through the eyelets 3 of the independent flexible tongues *d* and are wound around the buttons *e* beneath whose under tapering surface they are nipped or frictionally held in place. This forms a secure mode of fastening, yet one from which the collected sheets or leaves and the cords passing through the same are easily removed together to be filed away for future reference.

By loosening the strings or cords at one end

and withdrawing them from the sheets, any desired number of sheets may be removed and others substituted or interposed or other changes made.

5 I am aware that in temporary binders, cords having needles at one end have been employed, with flaps connected to and extending along the inner back edges of the covers, said flaps consisting of flexible material with a
10 stiffening or flat wire and having holes through the flaps for the cords and fastening devices on one flap for the cords.

I claim as my invention—

15 The combination with the covers the flexible back and the separate cords for connect-

ing the sheets or leaves, of two independent flexible tongues for each cord having holes for the respective ends of the cord to be passed through and buttons one for each tongue and around which the ends of said cord are wound, 20 each tongue and its button being connected together and to the inner face of the cover adjacent to the opposite back edge thereof by a rivet, substantially as specified.

Signed by me this 6th day of January, A. 25
D. 1894.

RICHARD RADLEY VERNON.

Witnesses:

GEO. T. PINCKNEY,
HAROLD SERRELL.