April 29, 1941. C. C. CASEY 2,239,840

METAL TAB ATTACHMENT

Filed Feb. 13, 1939

Fig. 1.

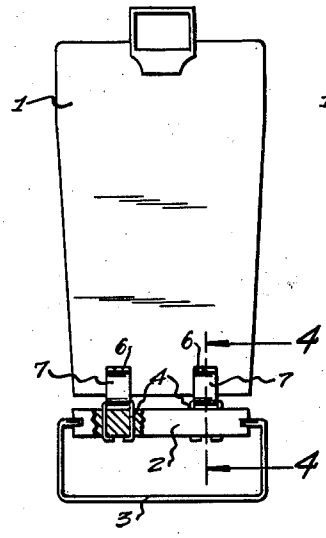


Fig. 2.

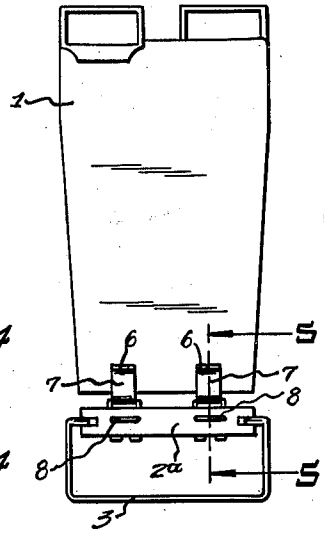


Fig. 3.

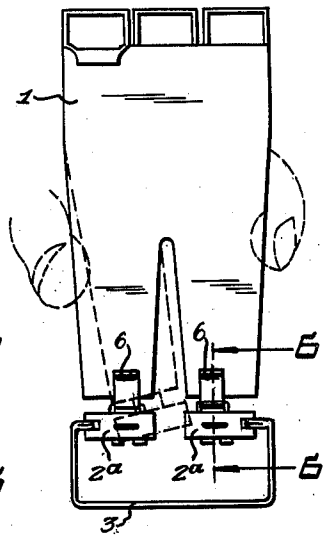


Fig. 4

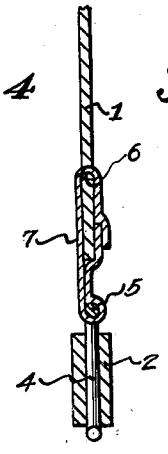


Fig. 5.

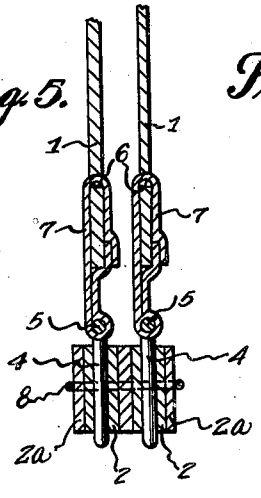
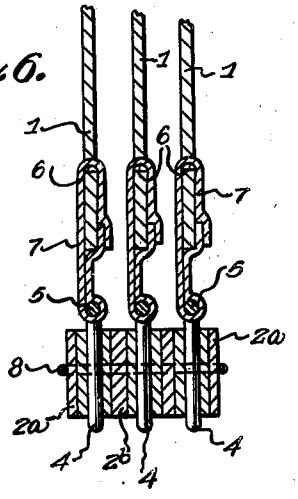


Fig. 6.



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METAL TAB ATTACHMENT

Charles C. Casey, Detroit, Mich.

Application February 13, 1939, Serial No. 256,127

2 Claims. (Cl. 129—15)

My invention relates to sorting devices and especially to the attaching means for the units, where a series of superimposed swinging separating tabs are attached to blocks engaging a base member or tray such as is shown, for instance, in the patent granted to me March 27, 1934, Number 1,952,118.

It has for an object a flexible connection that is simple, strong and easily constructed of conventional parts.

A further object of my invention is to provide a readily attachable and detachable tab for use in sorting devices where a large number of tabs are detachably placed in a tray and a series of such trays are placed in a machine such as shown in my Patent No. 1,952,117, dated March 27, 1934, said tab having a very thin base and being of light weight.

In the accompanying drawing:

Fig. 1 is a view of a tab 1 with the attaching means embodying my invention;

Fig. 2 is a view similar to Fig. 1 showing a modification;

Fig. 3 is a view similar to Fig. 1 showing the application of my invention to a bifurcated tab;

Fig. 4 is a section on the line 4—4, Fig. 1;

Fig. 5 is a section on the line 5—5, Fig. 2, and

Fig. 6 is a section on the line 6—6, Fig. 3.

1 is the tab proper and 2, Fig. 1, is the wooden block having notches in its ends adapted to engage the inturned edges of the base or tray 3. 4 indicates staples having horizontal cross-pieces 5—5 at their tops and parallel prongs extending vertically through the blocks 2 and clenched toward each other at their lower ends. Suitably located slots 6—6 are formed through the tab 1, adjacent, parallel to and spaced from its lower edge. 7—7 indicate sheet metal strips passing around the cross-pieces intermediate the ends of said cross-pieces and shaped closely to said cross-pieces so as to form cylindrical bearings therefor. They then extend upward in parallel and contiguous portions, said portions passing along opposite surfaces of the tab 1, one of said portions passing through a slot then downward along the surface of the tab 1, then bending outward and downward over the end of the other portion of said strip.

In the construction of Figs. 2 and 5, there are two blocks 2 which may be enclosed between thin strips 2a of suitable material, preferably wood for lightness, and the whole secured together by horizontal staples 8.

In Fig. 3 the tab is shown as being similar to that of Fig. 2 but divided into two branches at its lower end and a half block 2b with its engaging notch at its outer end is secured to each branch. This enables the branches to be bent inward as indicated in broken lines to free the tab from the base. Three blocks 2b secured as in Fig. 5 are indicated in Fig. 6, with tabs secured to them as above described.

I claim:

1. A tab for use in sorting machines comprising a card having a bifurcated lower portion, a thin two part block for said card made of light material, a thin hinge construction pivotally connecting each portion of the bifurcated card with one part of the block and means on the outer end of each block part for ready attachment to and detachment from a tray in which the tab blocks are adapted to be engaged.

2. A tab for use in sorting machines comprising, a card having a bifurcated lower portion, a thin two part block of a light material, a thin hinge construction pivotally connecting each portion of the bifurcated card with one part of the block, and notches in the outer ends of the two parts of the block for receiving the inturned edges of a tray in which the tab blocks are to be mounted.

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