Nov. 30, 1926. 1,609,041

E. PAUKER

LOOSE LEAF CLAMP

Filed Nov. 28, 1925

Fig. 1.

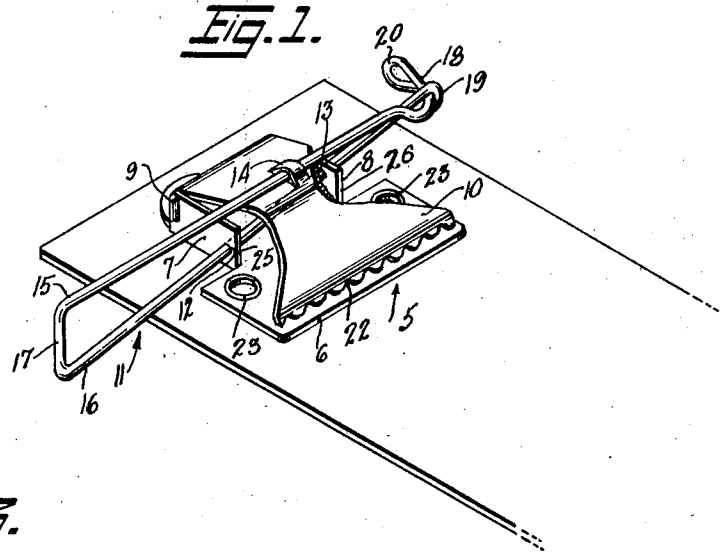


Fig. 3.

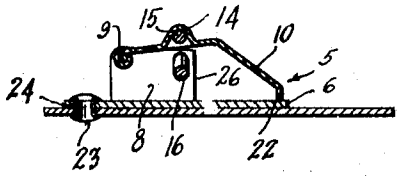


Fig. 2.

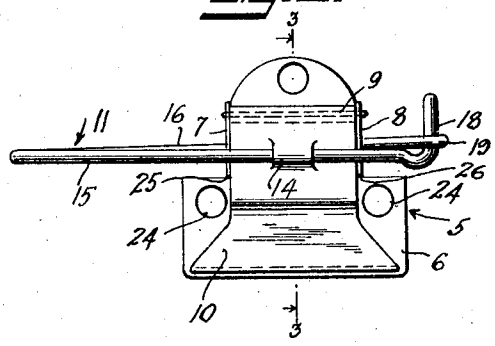
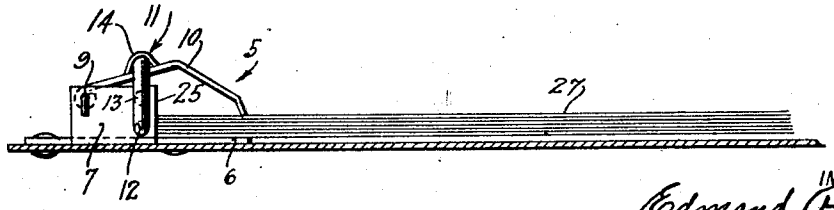


Fig. 4.



INVENTOR
Edmond Pauker.
BY
Maurice D. Koch
ATTORNEY

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UNITED STATES PATENT OFFICE.

EDMOND PAUKER, OF ASTORIA, NEW YORK.

LOOSE-LEAF CLAMP.

Application filed November 28, 1925, Serial No. 71,886, and in Hungary August —, 1925.

This invention relates to improvements in clamping devices, especially to the type of clamps adapted to be used for clamping loose sheets containing records to be kept on file. This clamp may be fastened to either a single board, or inside of a book or cover.

The main object of this invention is to provide a clamp of simple rigid construction and easy to manipulate.

Another object of this invention is to provide a clamp in which the gripping power is dependent on a cam or wedge action instead of the usual spring action.

Other objects and novel features of my invention will be apparent as the description progresses.

In the drawings, forming a part of this specification, Figure 1 is a perspective view of one embodiment of my invention.

Figure 2 is a plan view of the clamping device.

Figure 3 is a cross section of same taken on line "3—3" of Figure 2.

Figure 4 is an end view of my clamp, in clamping engagement with a number of loose sheets.

My invention consists of a clamp 5, having a base 6, said base 6, having projecting ears 7, and 8, to which there is pivotally connected as at 9, a clamping member 10. To provide clamping means I pass a sliding clamp operating member 11, made of heavy wire through openings 12 and 13, in the ears 7 and 8, of the base 6, and through an ear 14, in the clamping member 10.

It will be noted that the sliding member 11, is composed of an upper horizontal bar or rod 15, a lower angularly disposed rod 16, and an upright connecting member 17, at one end, and is connected at the opposite end by means of a projection 18, forming a part of the rod 15, passing through a loop 19, formed at the extreme end of the rod 16. A loop 20 on the extreme end of projection 18, forming a part of the upper rod 15, helps to maintain the upper and lower rods 15, and 16, in proper alignment.

The front lower edge of the clamping member 10, is serrated as at 22, to form a biting surface. The device is held in place by rivets 23, passing through openings 24 in the base 6, and through a board or a cover of a file or book.

From the foregoing it will readily be seen that I have provided a simple and effective clamp, that may be operated by merely sliding the member 11, in the direction of the arrow to open the clamp for insertion of anything to be clamped, and in the opposite direction for closing or clamping.

The lower inclined rod 16, passing through the lower hole 12, and upper hole 13, acts as a cam or wedge tending to raise or lower the clamping member 10, through the medium of the upper rod 15, engaging said clamping member 10. The forward edges 25, and 26, act to align the sheets 27 that may be inserted for clamping.

Having described my invention what I claim is:

1. A clamp, consisting of a base, projections fixed to said base, a clamping member pivotally connected with said base, a lower and an upper opening in said projections, an ear on one surface of said clamping member, and a wedge slidably mounted in the openings in the said projections and the ear of the clamping member.

2. A clamp consisting of a base having openings therein at different heights, a clamping member pivotally connected with the base and a clamp operating member having an upper horizontal bar engaging the clamping member and a lower inclined bar operably mounted in the openings in the base.

In testimony whereof I hereunto affix my signature.

EDMOND PAUKER.