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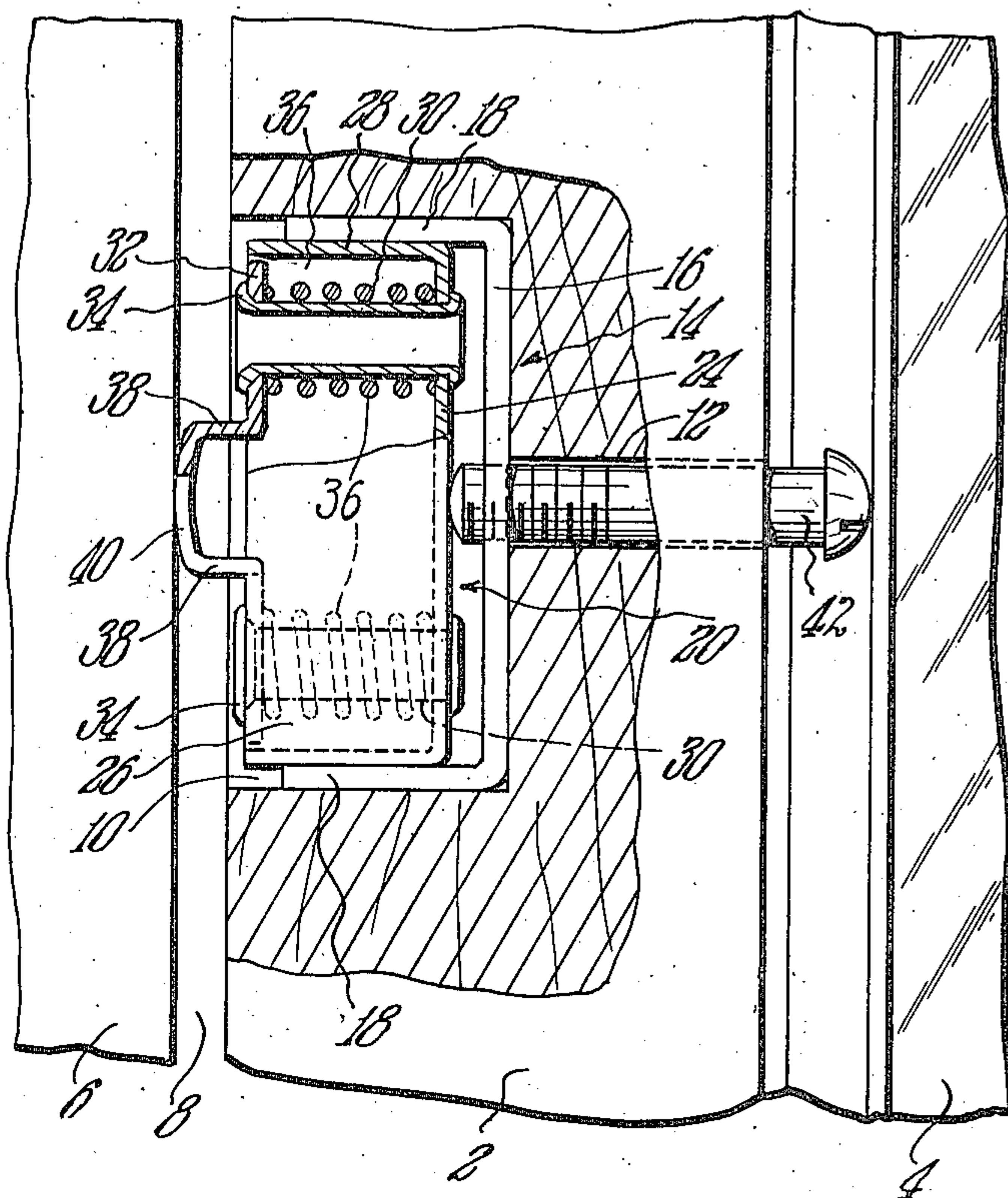
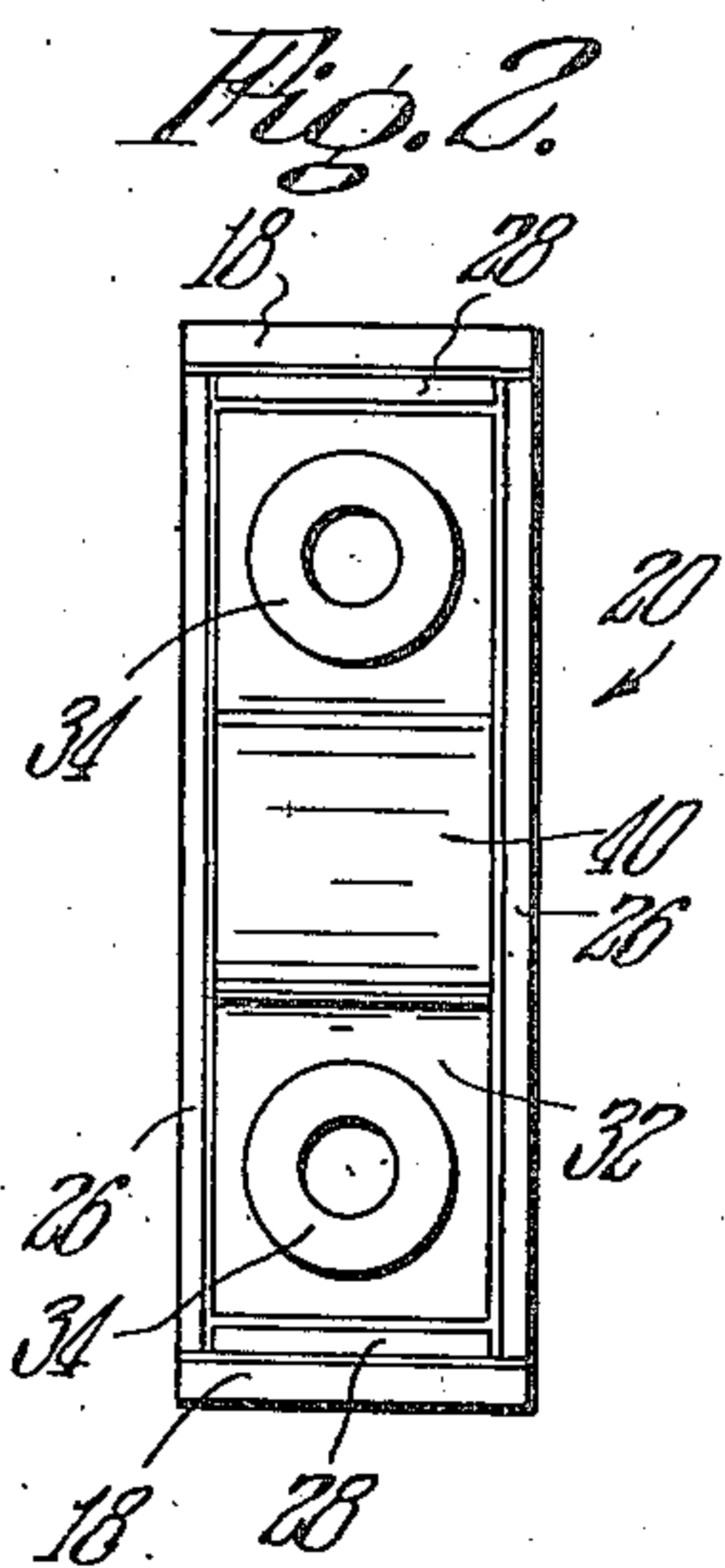
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ANTIRATTLE DEVICE FOR WINDOWS AND THE LIKE

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Fig. 1.



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ANTIRATTLE DEVICE FOR WINDOWS AND THE LIKE

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1 Claim. (Cl. 292—74)

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This invention relates to improvements in anti-rattling device for window sash and the like.

The principal object of the invention is the provision of an antirattling device which is adapted for association with a window frame and sash to prevent rattling of the sash in the frame.

In window construction the sash which are slidable up and down in the frame are fitted rather loosely so that wind and vibrations cause rattling of the sash in the frame and is very objectionable.

According to special features of the invention a member is spring pressed outwardly while means is provided to adjust the tension of the spring.

With the foregoing and various other novel features and advantages and other objects of my invention as will become more apparent as the description proceeds, the invention consists in certain novel features of construction and in the combination and arrangement of parts as will be hereinafter more particularly pointed out in the claim hereunto annexed and more fully described and referred to in connection with the accompanying drawings wherein:

Fig. 1 is a partial front elevational view of the side portion of a sash and an adjacent portion of a window frame with the device of the invention associated therewith; and

Fig. 2 is a plan view of the device shown in Fig. 1.

Referring now to the drawings more in detail, the novel features of the invention will be fully described.

A portion of a side of a window is shown in Fig. 1 wherein the side member of the sash is represented by 2 and a pane of glass carried thereby is represented by 4.

Usually the sash is made from wood and slides up and down relative to a side member 6 of a window frame. In the ordinary case there is a space such as 8 between the edge of the sash and adjacent part of the window frame so that the sash is likely to rattle in the frame.

The device of the invention may be associated with the sash or frame but for purposes of illustration it is shown associated with the sash. The device of the invention will now be described.

The edge of the sash 2 is provided with an inwardly extending recess 10 from which extends a bore 12.

A socket member 14 preferably made from metal is disposed in the recess and is of U shape having an intermediate bottom portion 16 and side arms 18 extending outwardly from opposite ends thereof.

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A receptacle 20 is slidable in and out relative to the side arms 18 and preferably is made from a single sheet of metal by a stamping operation to have a bottom wall 24 from which extend opposite and adjacent side and end walls 26 and 28.

Hollow rivets 30 have inner ends secured to the bottom wall 24 of the receptacle and extend outwardly therefrom, as shown. A plate member 32 is provided which has openings in which the rivets 30 are receivable so that the plate member is guided for in and out movements relative to the receptacle.

The outer ends of the rivets are headed over at 34 to limit outward movement of the plate member 32 and springs 36 around the rivets urge the said member outwardly.

The plate member 34 closes the space between the walls 26 and 28 of the receptacle so as to prevent foreign matter entering said receptacle.

Portions 38 of the plate member which are spaced apart intermediate opposite ends thereof extend outwardly therefrom and carry a friction portion 40 which is offset outwardly from the plane of said plate 32.

A screw 42 in threaded engagement with part 16 of the socket extends through the opening 12 of the sash and its outer end bears against the bottom wall of the receptacle. With the device associated with one side of a sash, as shown, the spring urges the plate 32 outwardly so that the friction part 40 thereof yieldingly bears against the frame 6 and urges the sash away therefrom so that the opposite side of the sash bears against the adjacent part of the frame. The screw 42 may be rotated relative to the socket part 16 thereby to vary the position of the receptacle relative to the socket and vary the action of the springs 36, the receptacle being slidable between the side arms of the socket.

The invention may be embodied in other specific forms without departing from the essential characteristics thereof. Hence, the present embodiments are therefore to be considered in all respects merely as being illustrative and not as being restrictive, the scope of the invention being indicated by the appended claim rather than by the foregoing description, and all modifications and variations as fall within the meaning and purview and range of equivalency of the appended claim are therefore intended to be embraced therein.

What it is desired to claim and secure by Letters Patent of the United States is:

A unitary device of the class described comprising a socket and a receptacle slidable rela-

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tive thereto, said socket having an intermediate portion and side arms extending outwardly therefrom in spaced relation, said receptacle including a bottom wall adjacent the intermediate wall of the socket and opposite side and adjacent end walls extending outwardly therefrom and having a plate between said walls slidable on guides extending from said bottom wall with springs therearound urging said plate away from said bottom wall, said end walls slidably engaging said side arms, and a screw threadedly engaging said intermediate portions of the socket having its end in abutment with the bottom wall of the

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receptacle to move said receptacle away from said intermediate portion when rotated in one direction.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
635,339	Myrick	Oct. 24, 1899
1,684,636	Mendenhall	Sept. 18, 1928
2,017,299	Vikre	Oct. 15, 1935