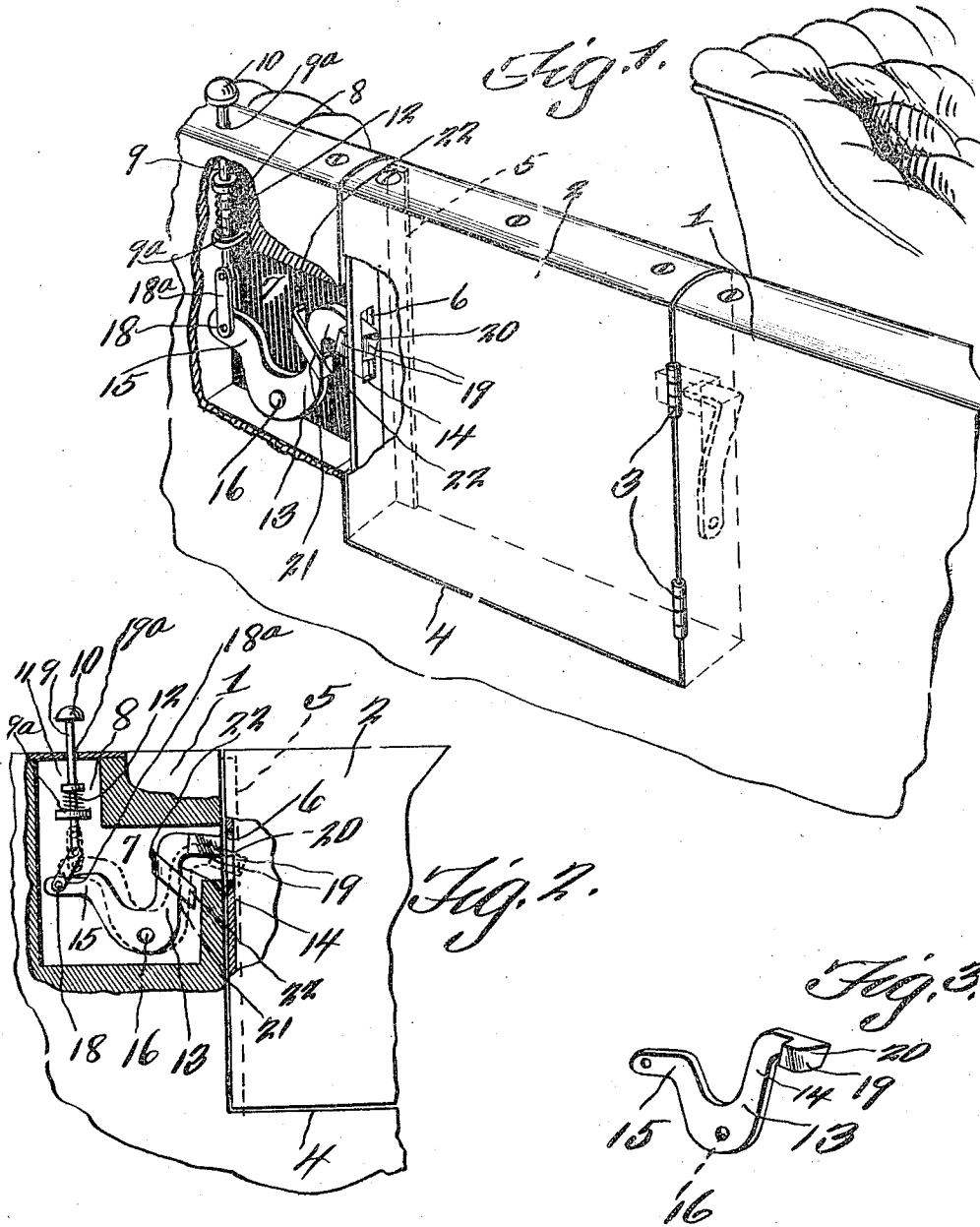


W. F. HAMPTON.
COACH LATCH.
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1,147,322.



Inventor
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Witnesses

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UNITED STATES PATENT OFFICE.

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COACH-LATCH.

1,147,322.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLARD F. HAMPTON, a citizen of the United States, residing at Lyons, in the county of Rice and State of Kansas, have invented a new and useful Coach-Latch; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

This invention relates to an improved latch for coach, automobile, or other vehicle doors, and an object of the invention is to provide a latch of this nature comprising
15 improved features of construction.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features
20 and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective showing a portion of a coach, automobile, or vehicle body, showing parts
25 broken away and in section illustrating the latch used in connection with the door thereof. Fig. 2 is a view in elevation and partly in section showing the latch member as having been thrown against the tension of the spring. Fig. 3 is an enlarged detail view of
30 the latch member.

Referring more especially to the drawing, 1 designates a portion of a coach, automobile, or other vehicle body, provided with a suitable door 2 hinged at 3 and designed to swing in the door opening 4 of the body, and being limited in its closed position by the flange 5 adjacent the door opening. The free edge portion of the door is provided
40 with a suitable keeper slot 6. The wall of the body is supplied with a pocket 7, and an extension pocket 8, and mounted in guides 9^a is a plunger 9 having a knob 10, and mounted on the plunger between one of the guides and a collar 11 of the plunger is a coil spring 12, acting to hold the plunger in its uppermost position as shown in Fig. 1. A latch member 13 is provided having two
45 upwardly and laterally extending arms 14 and 15, and is pivoted at 16 in said pocket 7. The lower end or extremity of the plunger has pivoted to it a pair of links 18^a, which in turn are pivoted at 18 to the extremity of

the arm 15. The pivot 16 is considerably below said arm, so that by pressure upon
55 the arm 15, the other arm 14 will be thrown upwardly, in order to disengage the enlargement from the keeper slot to permit the door to swing open. The lateral portion of the arm 14 has an enlargement 19, which is
60 beveled at 20, so that a portion of the coach door will slip by the same, so that the enlargement can enter the keeper slot 6. Arranged in the pocket 7 is a bar 21 arching over the arm 14. This bar not only guides
65 the arm 14, but is disposed angularly as shown, and shaped as illustrated at 22, so that the rear portion of the vertical part of the arm 14 will engage at 22 to limit the latch member in its pivotal movement rear-
70 wardly. The forward edge of the arm 14 contacts with the forward part of the bar 21, thereby limiting the latch member in its pivotal movement forwardly.

The invention having been set forth, what 75 is claimed as new and useful is:—

1. In combination with a coach body having a pocket and provided with a hinged door having a keeper slot, a latch member comprising a body being shaped to form
80 two upwardly and opposite laterally extending arms, means for pivoting the latch member considerably below said arms and in said pocket, one of said arms having at its free end a beveled enlargement to engage
85 the keeper slot to latch the door, and means arching over one of said arms to limit the latch member in its pivotal movement in either direction, and a spring tensioned plunger connected to the other arm for op-
90 erating the latch member.

2. In combination with a coach body having a pocket and provided with a hinged door having a keeper slot, a latch member comprising a body being shaped to form two
95 upwardly and opposite laterally extending arms, means for pivoting the latch member considerably below said arms and in said pocket, one of said arms having at its free end a beveled enlargement to engage the
100 keeper slot to latch the door, and means arching over one of said arms to limit the latch member in its pivotal movement in either direction, and a spring tensioned plunger connected to the other arm for op-
105 erating the latch member, said guiding and

limiting means comprising a strap arching over the arm with the enlargement and being angularly disposed and being shaped so as to be contacted with by the rear portion of the vertical part of said arm with the enlargement to limit the latch member in its movement rearwardly.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLARD F. HAMPTON.

Witnesses:

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O. A. ADAMS.