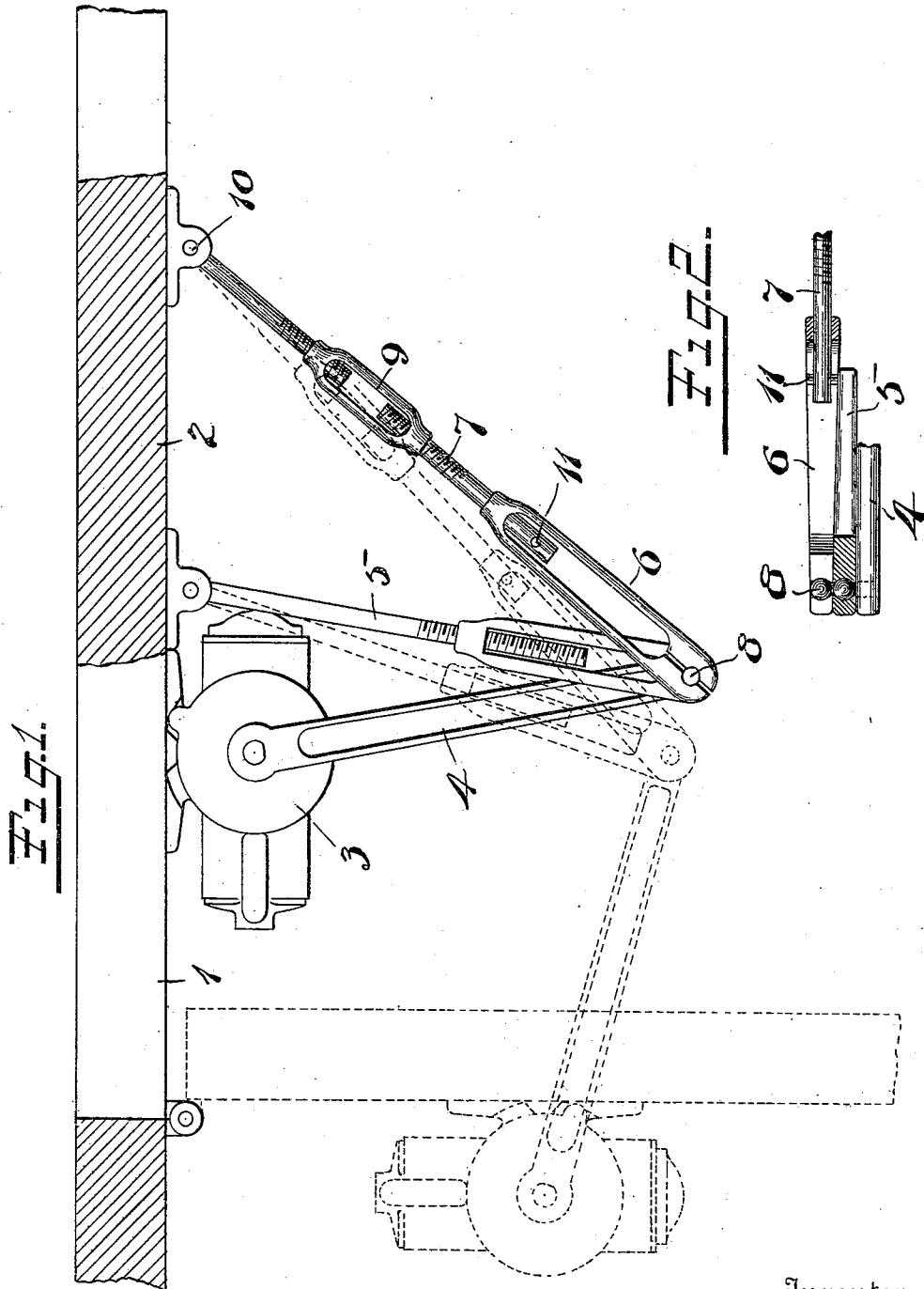


H. G. VOIGHT.
DOOR STOP.
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991,674.

Patented May 9, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY G. VOIGHT, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO RUSSELL & ERWIN MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

DOOR-STOP.

991,674.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY G. VOIGHT, a citizen of the United States, residing at New Britain, county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Door-Stops, of which the following is a full, clear, and exact description.

My invention relates to an improved stop device for door checks or closers, the purpose of said stop device being to prevent the opening of the door to which it may be attached beyond a predetermined point.

In the accompanying drawings, Figure 1 is a plan view of a portion of a door and door casing, in section, showing my improved device in position. Fig. 2 is a detail view partly in section.

1 represents a portion of a door; 2 represents a portion of the overhead casing for said door; 3 conventionally represents a door check or door closer which is secured to the door 1 in the usual manner.

4 is the lever arm of said door check or closer, the same being connected by a link 5 to the overhead casing 2.

The parts thus far described may be of the usual well-known construction.

The stop feature comprises a stop link leading from a movable part of the door check or closer mechanism to the overhead casing. In this particular instance, the stop link comprises the two parts 6 and 7. The part 6 is swiveled at 8 to the outer end of the arm 4, while the part 7 is in the form of a rod preferably adjustable as to length, as by a turn buckle 9. One end of the said rod 7 has a telescopic or sliding connection with the part 6, its outer end being pivotally connected at 10 to the overhead casing.

11 is a stop abutment carried by the rod 7 and so arranged that when the rod is moved in one direction to a sufficient extent in the part 6, it will engage therewith and be stopped.

In the particular adjustment of the parts herein shown, the stop link is adapted to check the door 1 when it has been opened to 90°, the open position being indicated in dotted lines, Fig. 1, wherein it will be

seen that a further opening movement of the door is checked by the stop link connection described.

While I have herein shown my improvement in an improved form, it should be understood that the various adjustments and connections may be modified without departing from the spirit or scope of this invention.

What I claim is:

1. In a door controlling device, a lever arm arranged to be pivoted to a door, two links connected to said lever arm, said links being arranged to be connected to a door casing at different distances from the pivotal point of said lever arm, one of said links, namely, the one connected to the door casing most remote from the lever arm, being freely telescopic, and a stop abutment to limit the degree of telescopic movement thereof.

2. In a door controlling device, a lever arm arranged to be pivoted to a door, two links connected to said lever arm, said links being arranged to be connected to a door casing at different distances from the pivotal point of said lever arm, one of said links, namely, the one connected to the door casing most remote from the lever arm, being freely telescopic, and a stop abutment to limit the degree of telescopic movement thereof, and means for varying the length of said telescopic link.

3. In a door controlling device, a lever arm arranged to be pivotally connected to a door, a link connected to said lever arm at one end and arranged to be secured to a door casing at the other end, and stop mechanism comprising a connection between the aforesaid parts and another part of said door casing, said stop mechanism being arranged to check the swinging movement of said link in one direction relatively to said door casing to thereby check the opening movement of the door at the desired angle relatively to the door casing.

HENRY G. VOIGHT.

Witnesses:

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