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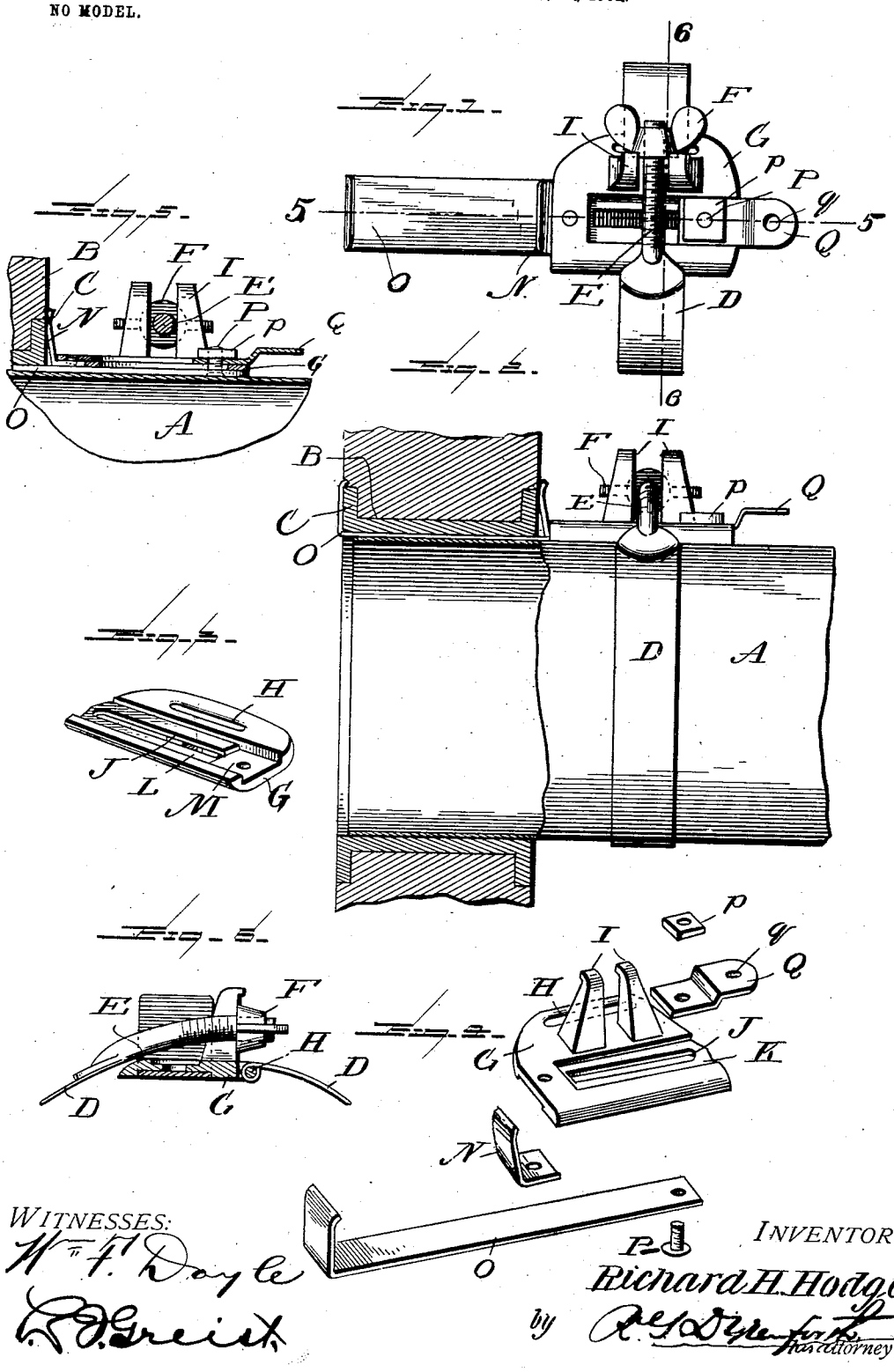
R. H. HODGE.

STOVEPIPE FASTENER.

APPLICATION FILED FEB. 14, 1902.

NO MODEL.



WITNESSES:

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No. 738,038. Patented September 1, 1903.

UNITED STATES PATENT OFFICE.

RICHARD H. HODGE, OF CENTRALPOINT, OREGON.

STOVEPIPE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 738,038, dated September 1, 1903.

Application filed February 14, 1902. Serial No. 94,137. (No model.)

To all whom it may concern:

Be it known that I, RICHARD H. HODGE, a citizen of the United States, residing at Centralpoint, in the county of Jackson and State of Oregon, have invented certain new and useful Improvements in Stovepipe-Fasteners; 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 appertains to make and use the same.

The objects of my invention are to provide means whereby the stovepipe will be held securely in position within the flue-opening or thimble and means whereby the same may be readily disengaged from said opening and at the same time to render said fastening means adjustable, so as to be readily fitted to an opening in flues of varying thicknesses.

With these objects in view I have devised apparatus, a preferred form of which I have illustrated in the accompanying drawings, in which like letters of reference indicate corresponding parts throughout, and in which—

Figure 1 is a plan view of my improved fastening device removed from the pipe. Fig. 2 is a view in elevation, partly in section, of a stovepipe held in position within the flue-opening by means of my improved device. Fig. 3 is a bottom view in perspective of the block upon which the other portions of the device are adapted to be assembled. Fig. 4 is a view in perspective of the various portions detached, showing their individual configuration and method of assembling. Fig. 5 is a vertical detail sectional view on the line 5 5 of Fig. 1; and Fig. 6 is a detail sectional view on the line 6 6 of Fig. 1.

Referring to the drawings more in detail, A represents a stovepipe; B, the chimney-opening, having the interior lining or thimble C.

D is a band of sheet steel or iron or other suitable material encompassing the pipe and carrying at one end a screw-threaded extension E, adapted to be engaged by the thumb-nut F and secured at the other end by a rivet or other suitable means to the block G, as at H. The block G has an upward-extending slotted shoulder I, adapted to receive between the two portions thereof the screw-threaded extension E and to serve as a bearing for the thumb-nut F, whereby the band D may be firmly and securely tightened about the pipe A. The block G is provided with a longitudinal slot J and upon its upper side with a longitudinal recess K. Upon its lower side is the longitudinal recess L and a deeper recess M. In the deeper recess on the lower side of the block G is immovably riveted the spring-steel stop N, which when in position projects upward above the block G and is inclined outward therefrom at an angle, as shown in Figs. 2, 4, and 5. A metal strip O, having one end bent upwardly, is slidably mounted in the recess L. A bolt P, carried by the strip O, extends up through the slot J and is provided at its upper end with a nut *p*, whereby the strip O can be locked to the block G.

Mounted in the recess on the upper side of the block G is a washer-plate Q, which is passed over the bolt P and serves as a bearing for the nut *p* upon said bolt and also as a means whereby the strip O may be readily moved back and forth longitudinally in the slot upon the said block G. This washer-plate may extend upward and outward, as shown in Figs. 1, 2, and 4, and be provided with a small opening in the end thereof to be used as an anchorage.

In practice when it is desired to secure a stovepipe within the opening of the flue the fastening device is assembled as shown in Fig. 1 and the two upturned ends of the two parts O and N slipped into engagement over the inner and outer edges of the flue-opening, respectively, the end of the part O being first hooked over the interior and then the spring-piece N forced into engagement with the outer edge of the opening, the spring thereto serving to hold the two securely in engagement with the thimble and to prevent the same from being easily dislodged. The draw-band D having been sufficiently enlarged by adjustment of the thumb-nut F, the pipe A is slipped within the same and into the chimney-opening the desired distance, when the draw-band is tightened about the same and the pipe held securely in engagement with reference to the flue-opening. By means of the thumb-nut *p* the strip O may be moved

longitudinally in the recess L to accommodate a flue of greater or less width and then upon the tightening of the nut held securely in such position. Having once been adjusted to a particular flue, the device needs no further adjustment or manipulation of the nut *p*, in order to be inserted or removed from the flue-opening, depending upon the spring in the part N to grip the same securely, while at the same time giving sufficiently to permit the same to be withdrawn or inserted. Further, by means of the spring-grip upon the thimble or flue the device does not need to be removed when it is desired to remove the pipe, all that is necessary being that the draw-band D should be loosened by means of the thumb-nut F and the pipe then easily slipped out and again inserted when desired without disturbing the connection of the device with reference to the flue.

It will be obvious that many changes in the details of the respective portions of my device may suggest themselves which would still be well within the spirit of my invention. Therefore I do not desire to be limited to the specific structure shown.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a stovepipe-fastener, the combination of a spring-clamp, comprising a slotted block, a spring-jaw secured thereto, a relatively movable jaw guided in said block, a bolt carried by said movable jaw and extending through the slot in said block, a washer-plate fitted over said bolt and against said block, a nut on said bolt and engaging said washer-plate, a slotted shoulder on the block, a supporting-strip secured at one end to the block, a bolt carried at the free end of said supporting-strip and arranged to extend through said slotted shoulder, and a winged nut engaging the last bolt and bearing against said slotted shoulder, substantially as described.

RICHARD H. HODGE.

Witnesses:
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