

W. Wells.

Hinge Pintle.

Nº 87,739.

Patented Mar. 9, 1869.

Fig: 1.

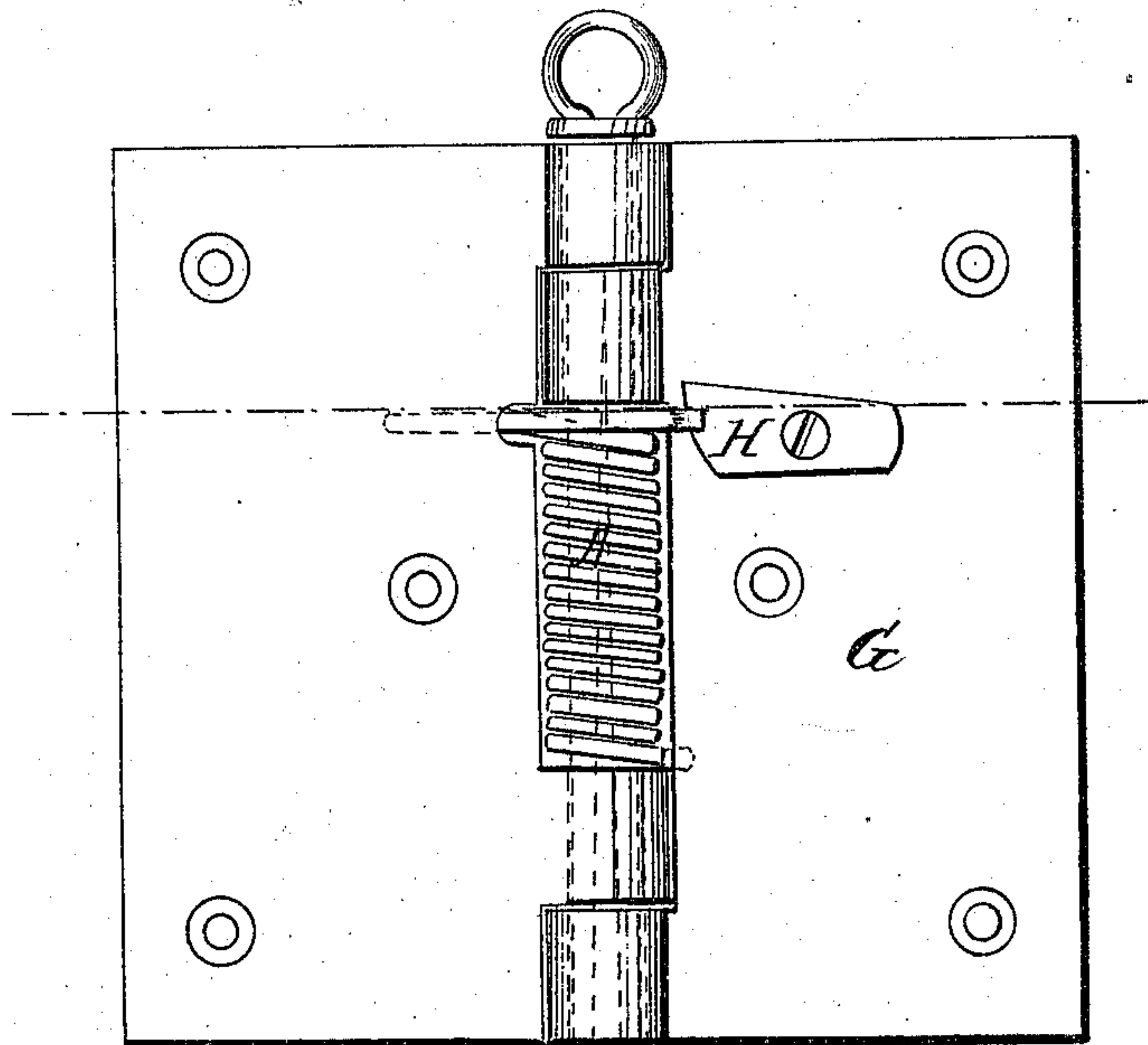
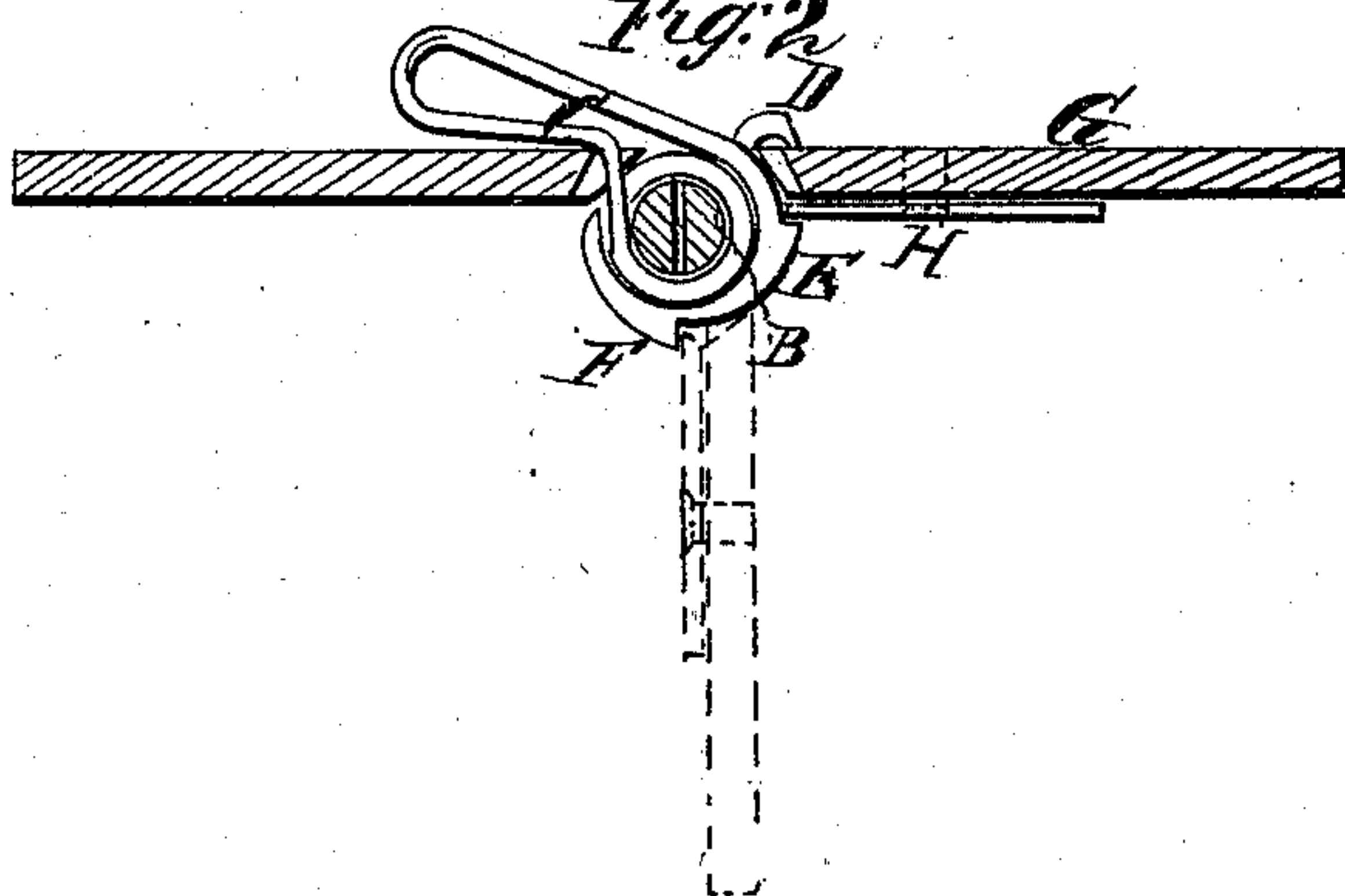


Fig: 2.



Witnesses

G. Raettig

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# United States Patent Office.

WILLIAM WELLS, OF ASHTABULA, OHIO.

Letters Patent No. 87,739, dated March 9, 1869.

## IMPROVEMENT IN HINGE-PINTLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, WILLIAM WELLS, of Ashtabula, in the county of Ashtabula, and State of Ohio, have invented a new and useful Improvement in Hinges; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to door-hinges; and

It consists in constructing the pintle, by which the two leaves of the spring are held together, with projections upon its bifurcated end, whereby shoulders are formed, to prevent said pintle from being casually withdrawn, to disconnect the leaves, as will be herein-after more fully described.

Figure 1 represents a plan view of a hinge constructed according to my improvements, and

Figure 2 represents a section of the same, taken on the line *xx* of fig. 1.

Similar letters of reference indicate corresponding parts.

The spring A, is coiled around the pintle B, in the usual manner, and the ends C and D hooked behind the leaves, to force them together; the spring being applied under the necessary tension.

I continue the spring beyond the part C, which engages with the pintle, and bend it back around the pintle again, as represented at E, and provide, in the said part E, one or more notches, F.

I also attach, to the leaf G, a button or pawl, H, (preferably a button, with an eccentric edge,) which may be turned into or out of the notches of the spring when the door is opened.

The said pawl, engaging with the spring, will prevent the latter from closing the door, and, before closing, it must be moved out of engagement with the spring.

This construction of the spring and pawl is substantially the same as shown in my patent of November 17, 1868.

My present invention consists in the provision of a split spring-pintle, B, with enlargements, I, on the split lower end, projecting through the bottom of the hinge, and expanding, to prevent the withdrawal of the pintle, except when the parts are forced together, which may be readily done by the fingers, and the pintle withdrawn, to permit the separation of the two leaves of the hinge, when required.

I am aware that split pintles have heretofore been used; but the split ends were unprovided with enlargements, and could not therefore be applied to reversible hinges, where it is sometimes necessary to introduce the pintle from the lower edge, with the split ends uppermost. The enlargements obviate this difficulty fully, as they form a secure lock, and prevent the pintle from being casually displaced and lost.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The split spring-pintle B, for hinges, when its split end is provided with the enlargements or shoulders I, as herein described, for the purpose specified.

WILLIAM WELLS.

Witnesses:

J. B. CROSBY,  
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