

(Model.)

W. KAIL.
NUT LOCK.

No. 388,051.

Patented Aug. 21, 1888.

fig. 1.

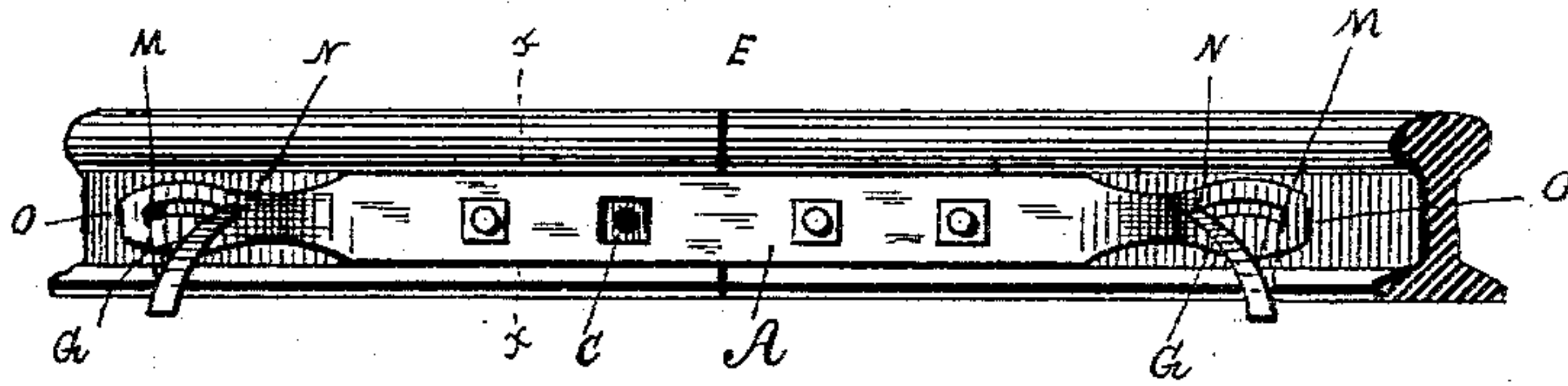


fig. 2.

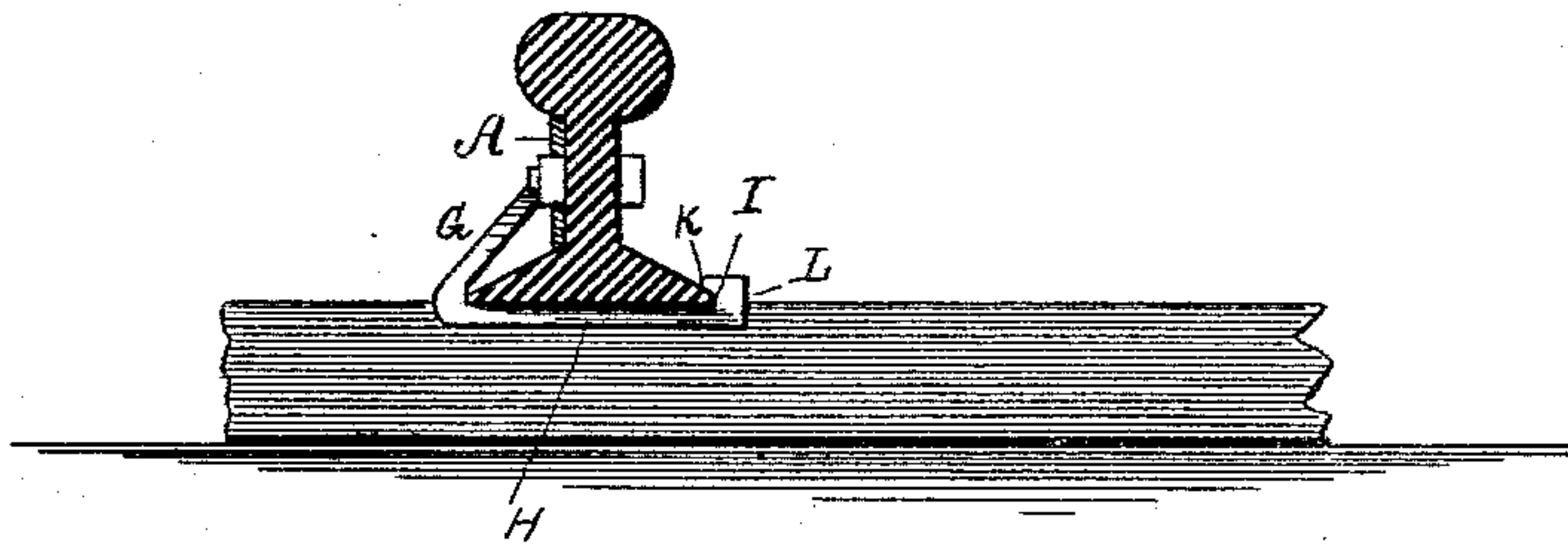
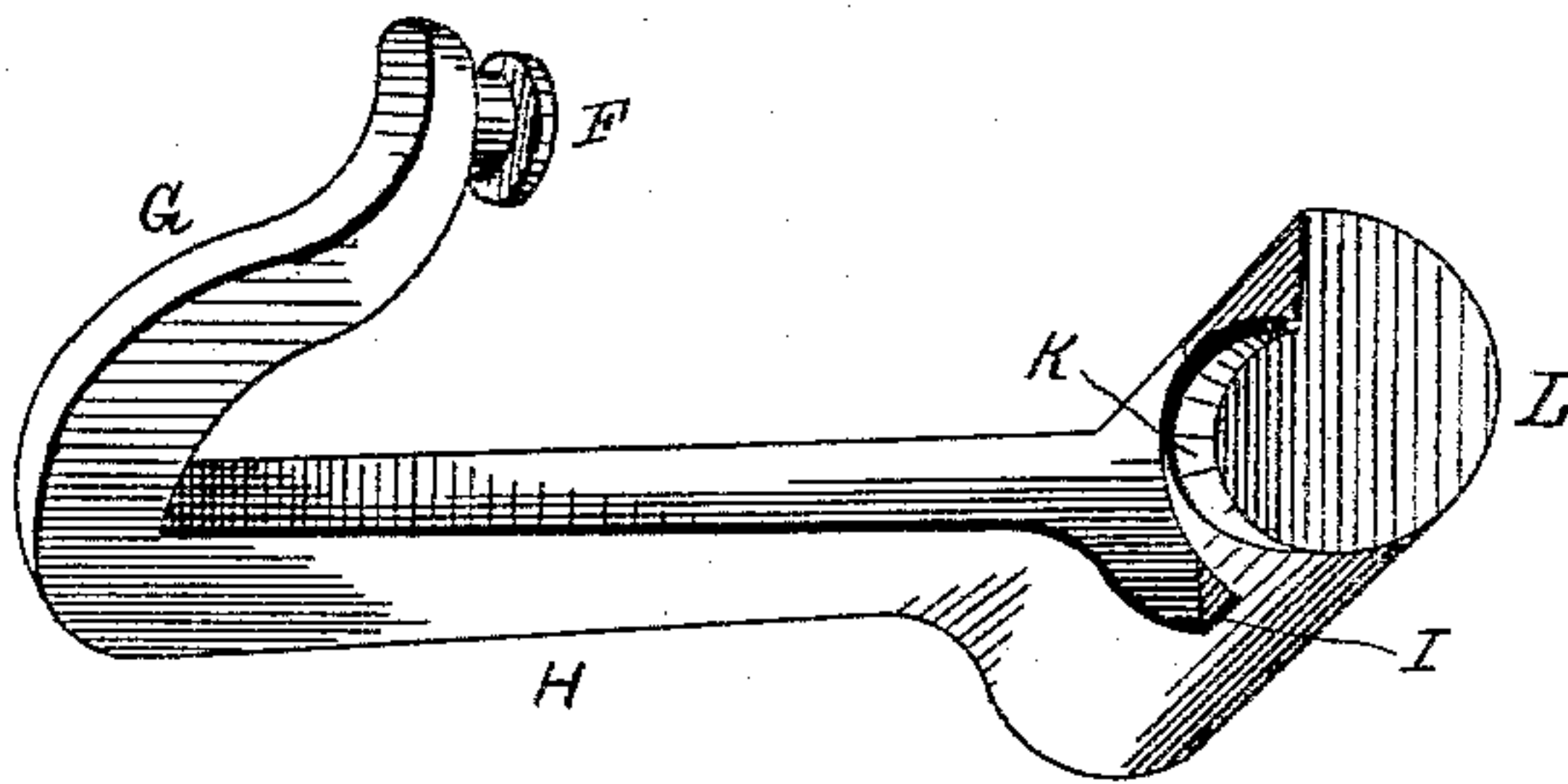


fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM KAIL, OF RUSH, OHIO.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 388,051, dated August 21, 1888.

Application filed May 1, 1888. Serial No. 272,424. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM KAIL, a citizen of the United States, residing at Rush, in the county of Tuscarawas and State of Ohio, have invented certain new and useful Improvements in Holding Nuts on Bolts that Pass Through Fish-Plates and Connect Steel Rails; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The special object of the invention is to hold rail-joints securely together, as hereinafter described.

Figure 1 of the drawings is a perspective view; Fig. 2, a transverse vertical section on line *x x* of Fig. 1, and Fig. 3 is a detail view of the chair.

In the drawings, A represents the nut-holding plate, which has the usual holes for receiving the nuts, but is provided with elastic slotted arms O O, which are sprung over the buttons F on the beak G of the chair. The latter supports the end of the rail on the part H and receives one edge of the base in the groove I under the lip K of the upward flange L. The

button F first enters at the point M of the slot, and is thence forced with a wrench along the slot to the point N, when the lock is complete. After putting on one end of the spring, insert lock in slot of the other end of spring, pressing the spring tightly against the rail; then push to the center of slot, and then apply wrench and tap gently, and it will go readily to its place. Afterward no jarring can possibly displace it. The device is intended to keep on fish-plates. A reverse action will unlock the plate A, so that it may be removed. I thus make a device which will effectually lock the nut-holding plate, and yet allow it to be quickly removed.

What I wish to protect by Letters Patent is—

A nut-locking plate for rail-joints, having slotted elastic end arms, in combination with a chair on each rail, provided with the button F on the inside of the beak G, as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM ^{his} X KAIL.
mark.

Witnesses:

J. V. McCUE,
H. C. RANKIN.