

H. R. HULING.
TOOL HOLDER.
APPLICATION FILED APR. 20, 1910.

995,603.

Patented June 20, 1911.

Fig. 1.

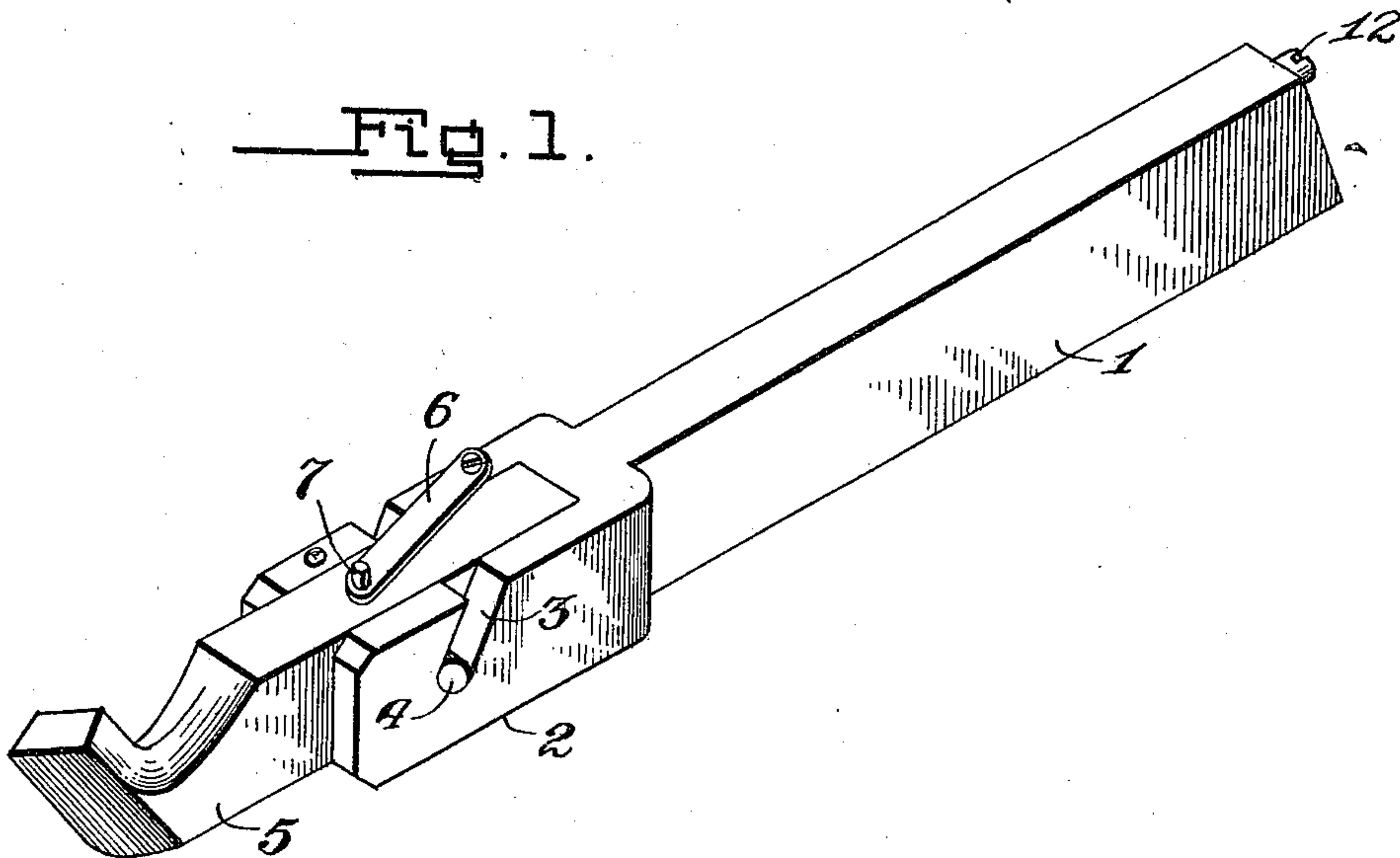
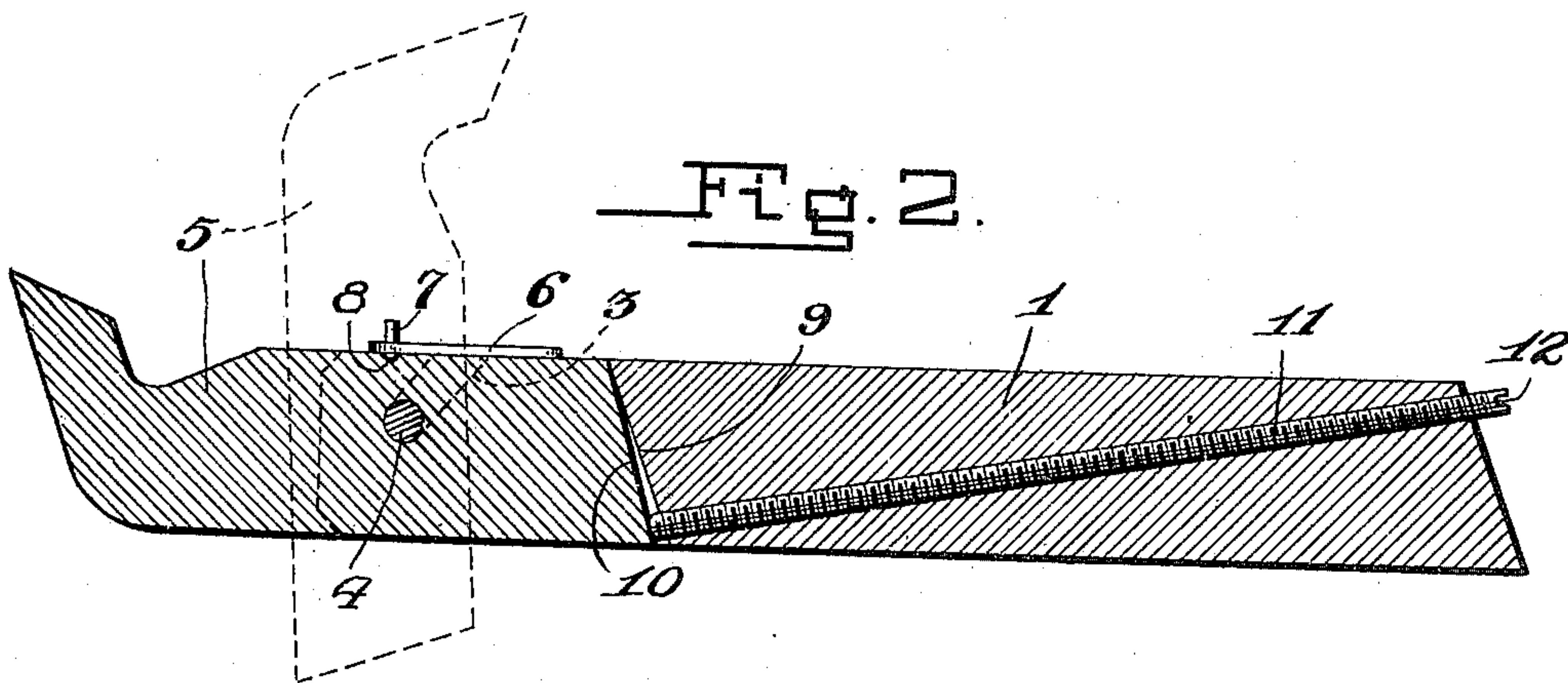


Fig. 2.



Witnesses

Everett Lancaster

Irv. L. McBethan,

Inventor
Harry R. Huling,

By E. C. Crooman,
Attorney.

UNITED STATES PATENT OFFICE.

HARRY R. HULING, OF SCHUYLKILL HAVEN, PENNSYLVANIA.

TOOL-HOLDER.

995,603.

Specification of Letters Patent. Patented June 20, 1911.

Application filed April 20, 1910. Serial No. 556,615.

To all whom it may concern:

Be it known that I, HARRY R. HULING, a citizen of the United States of America, residing at Schuylkill Haven, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Tool-Holders, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to tool holders, and has for its object to provide a handle adapted to detachably and interchangeably hold cutting tools, such as bits.

The invention further has for its object to provide a tool-holder, by means of which a bit or other cutting tool may be readily secured to and detached from the holder, and when secured in place, will be firmly held thereby without danger of being misplaced.

20 Referring to the accompanying drawings,—Figure 1 is a view in perspective of a tool-holder constructed in accordance with this invention, and showing a bit secured therein. Fig. 2 is a side view in longitudinal section of the device shown in Fig. 1.

In carrying out the invention, a suitable handle, 1, is provided which is formed with a forked end, 2, having diagonal slots, 3, in its sides adapted to receive the trunnions 4, projecting from the side of a tool, such as a bit, 5, the trunnions 4 resting in the lower end of the diagonal slots 3, and by means of which the bit 5 may be swung into and out of position. When the bit or other cutting tool is placed in the tool holder, it is in the position shown in dotted lines in Fig. 2, and is then swung to a horizontal position. The adjacent diagonal side 9 of the tool-holder, at the rear end of the forked portion 2 and the diagonal end 10, holding the rear end of the bit from swinging upward. When the bit is placed in position in the holder, it is fastened therein by any suitable means, as for example, by latch, 6, pivoted to the forked end 2 of the holder, and adapted to swing over the bit 5, the end of the latch 6 having a pin, 7, the lower end of which is

adapted to engage a recess, 8, in the bit 5, and lock the latter in the forked end 2. As a further means for securely fastening the bit in the holder, a suitable locking wedge is provided, and as shown in Fig. 2, consisting of a threaded rod 11, extending diagonally through a threaded hole in the handle 1, and having its forward end adapted to be moved against the lower rear end of the bit and its rear end provided with a notch, 12, adapted to receive a tool for turning the rod 11 and advancing it against the bit 5. It will be seen that by means of this wedging lock, the upper portion of the rear end of the bit 5 will be forced tightly against the upper end of the inner portion of the forked portion 2, by the rod 11 pressing against the rear end of the bit.

It will be seen that by means of this invention, a bit or other cutting tool may be quickly and readily secured to and detached from the tool-holder, and will be firmly locked therein so as to prevent the tool from becoming loosened when in use.

Having described the invention, I claim:

1. In a device of the character described, a tool holder consisting of a handle having a forked end with a rearwardly extending open ended diagonal slot in each arm of said forked end, the rear wall of said forked end being vertically inclined, a tool detachably mounted in said forked end and having trunnions located in said diagonal slots, and an inclined vertical end bearing against the inclined wall of the forked end, means for locking said tool from tilting in said forked end and a screw threaded rod extending diagonally through the handle of the tool and having its rear end projecting beyond the end of the handle and its forward end bearing against the lower portion of the inclined end of the tool, and serving to wedge the tool in said forked end.

2. In a device of the character described, a handle having a forked end with a diagonal slot in each arm of said fork, and an inclined rear wall, a cutting tool mounted

in said forked end, and having trunnions
resting in said inclined slots, and an inclined
rear end bearing against the inclined rear
wall of the forked end, a latch pivoted to
5 said forked end and adapted to swing over
and engage said tool in advance of its trun-
nions and lock the same, and a screw-
threaded rod extending lengthwise through

said handle and abutting against the lower
end of said tool. 10

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

HARRY R. HULING.

Witnesses:

JOHN L. PHILLIPS,

JOHN H. SAYLOR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
