

No. 827,974.

PATENTED AUG. 7, 1906.

G. A. HART.
STOP BLOCK FOR KNUCKLE PINS.
APPLICATION FILED APR. 25, 1906.

Fig. 1.

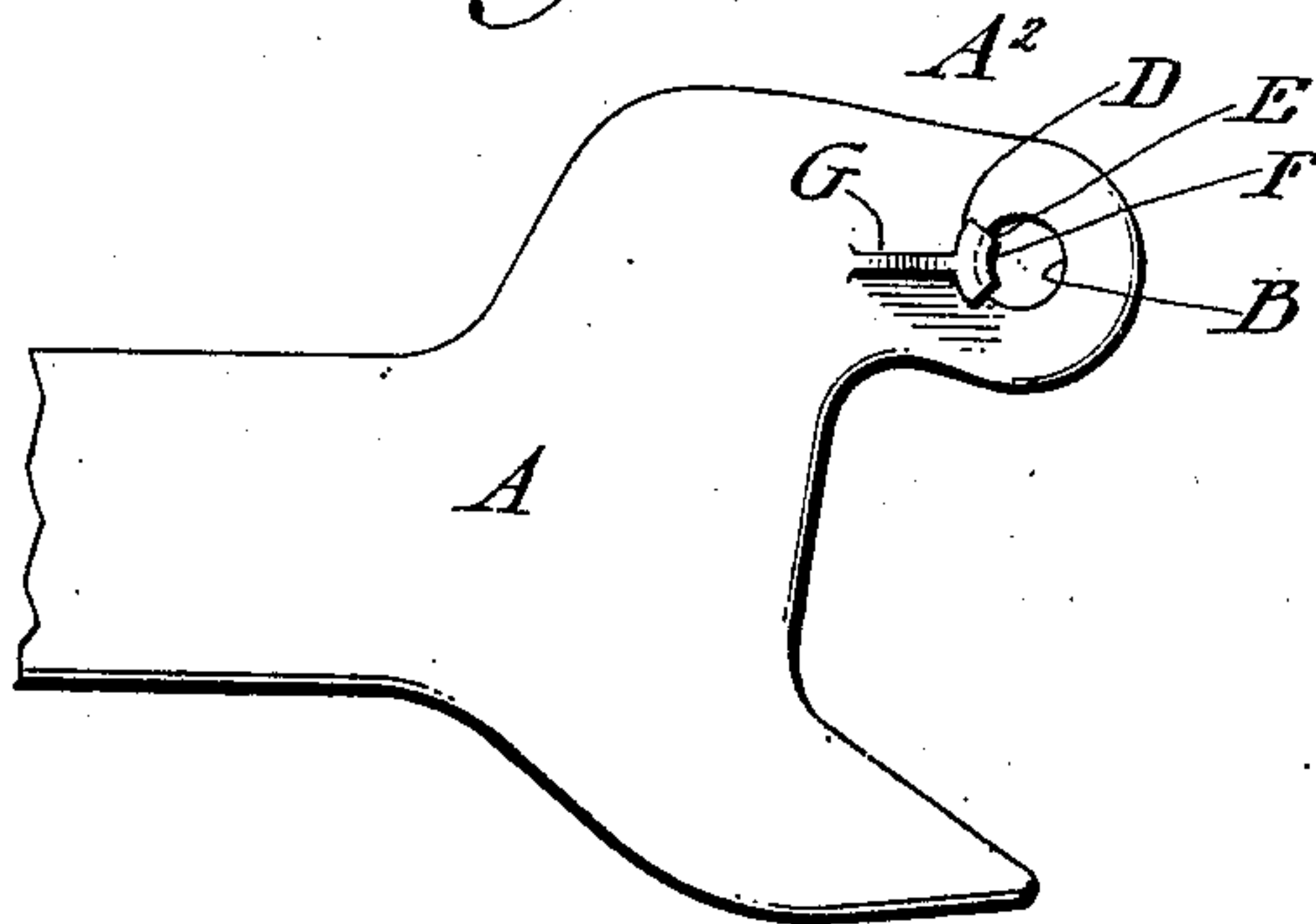


Fig. 2.

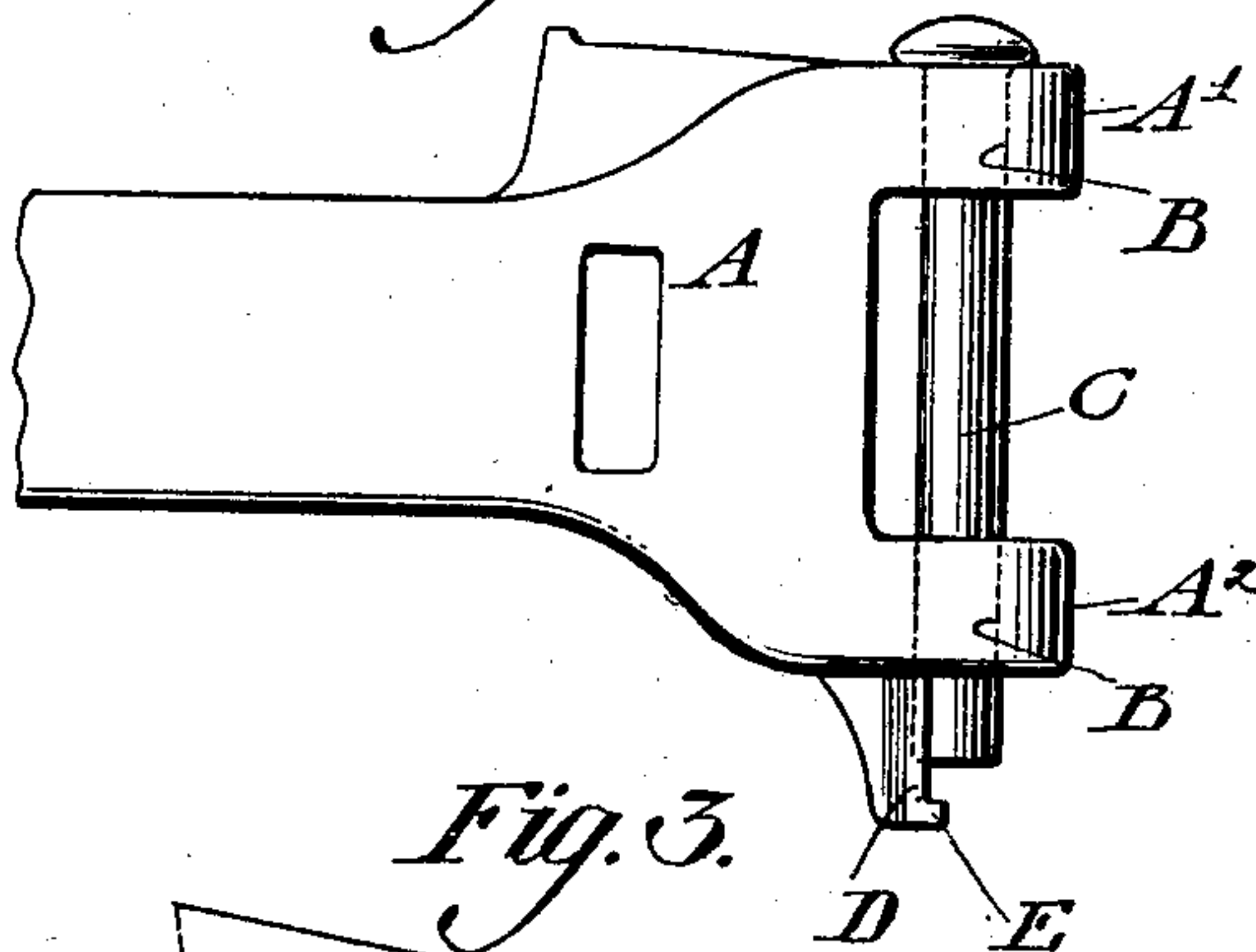


Fig. 3.

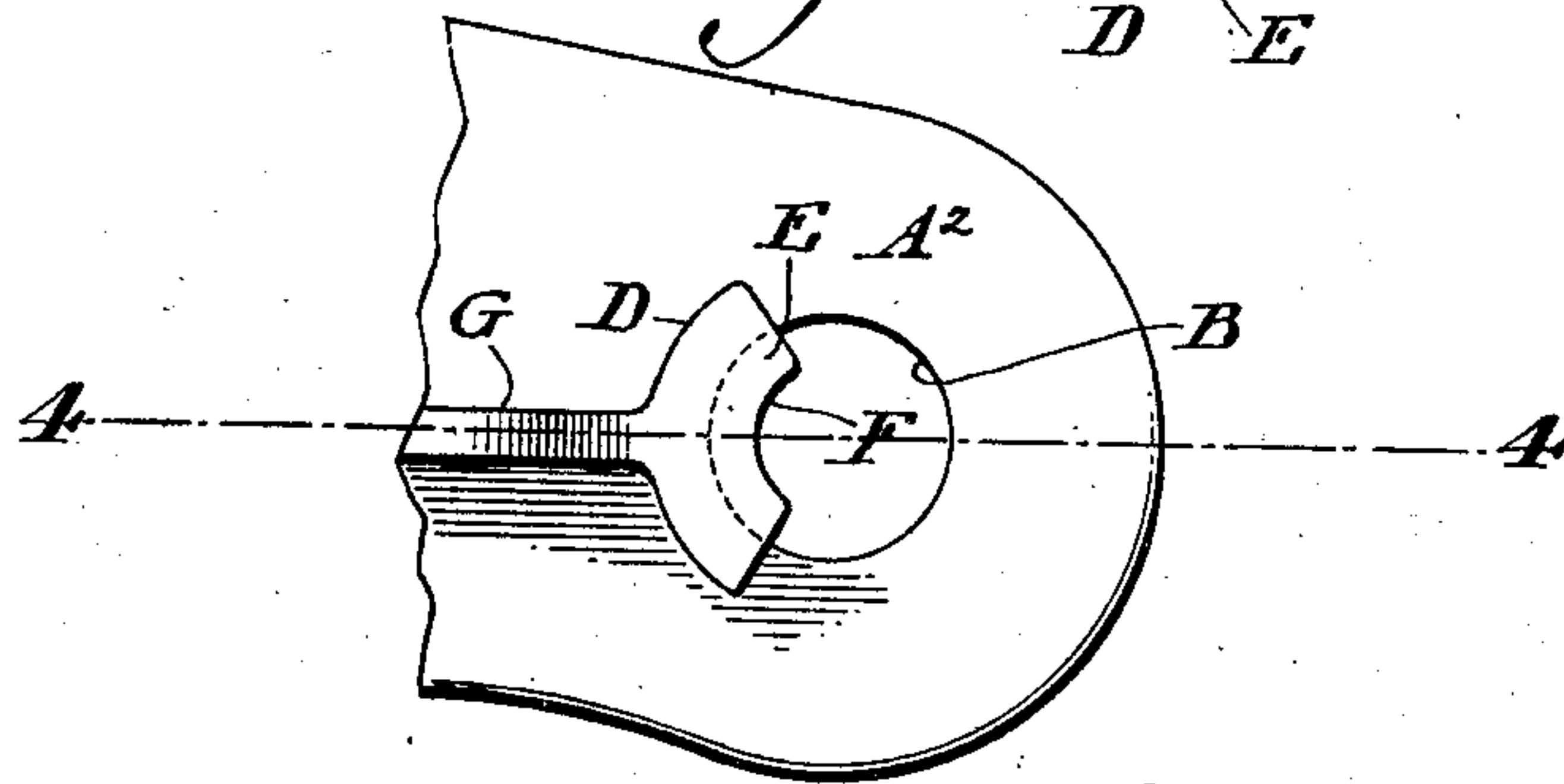
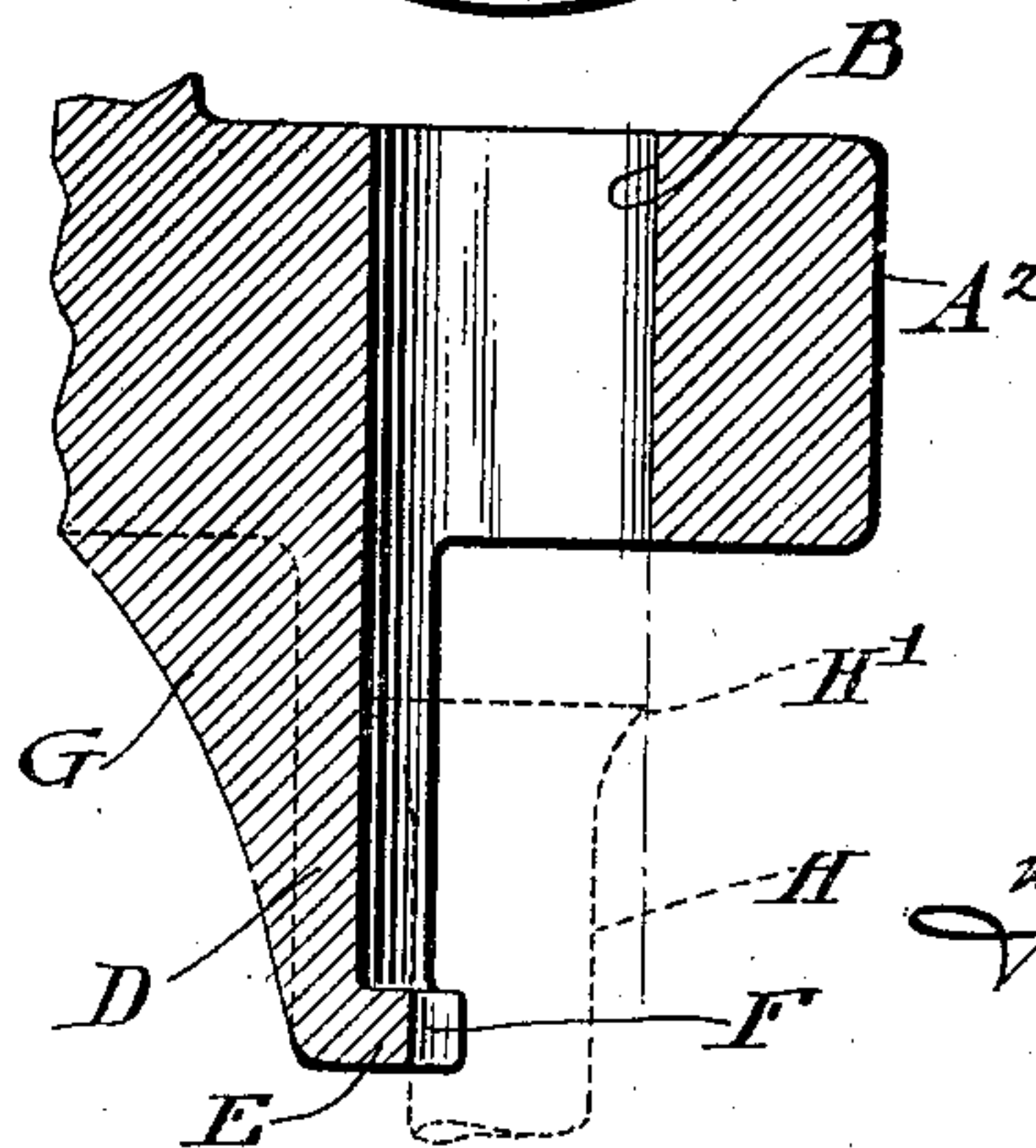


Fig. 4.



WITNESSES:

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STOP-BLOCK FOR KNUCKLE-PINS.

No. 827,974.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed April 25, 1906. Serial No. 313,562.

To all whom it may concern:

Be it known that I, GEORGE A. HART, a
citizen of the United States of America, re-
siding in Maywood, in the county of Cook
5 and State of Illinois, have invented a certain
new and useful Improvement in Stop-Blocks
for Knuckle-Pins, of which the following is a
true and exact description, reference being
had to the accompanying drawings, which
10 form a part thereof.

My invention relates to car-couplers of the
usual Master Car-Builders' type and pro-
vided with vertical pivot-pin holes adapted
to receive the pivot-pin on which the knuckle
15 of the coupler turns. In couplers of this
kind it is not unusual to provide what is gen-
erally known as the "stop-block" below the
pivot-pin hole and serving as a ledge which
will prevent the pivot-pin from falling
20 through the hole either as a whole, if it is
made without a head, or in part in case the
pin is broken in service. As heretofore con-
structed, however, these stop-blocks when in
position for service have been of such a char-
25 acter as to interfere with and prevent the in-
troduction of a drifting-tool from the lower
end of the pivot-pin hole; and the main ob-
ject of my invention is to provide a stop-
block of such a character that while well
30 adapted to serve the usual purposes of a stop-
block it will not interfere with the introduc-
tion of the drifting-tool into the lower end of
the pin-hole.

Further objects of my invention are to
35 generally improve and strengthen the con-
struction of such devices; and my invention
in its broadest features consists in a coupler-
head having a stop-finger or stop-block ex-
tending below the pivot-pin hole a distance
40 short of the center thereof and of such a
character as to permit of the introduction of
the drifting-tool into the hole of the pin-hole.

By preference my stop-block is cast in-
tegral with the coupling-head and is formed
45 with a stop-ledge extending below the pin-
hole in the form of an annular flange, and by
preference also the downwardly-extending
member of the stop finger or block which
supports this annular flange is braced and
50 stiffened by a laterally-extending rib.

Reference is now had to the drawings in

which my invention is illustrated, and in
which—

Figure 1 is a plan view of a coupling-head
provided with my improvement. Fig. 2 is a 55
side elevation of a coupling-head, showing
the pivot-pin in place. Fig. 3 is a bottom
view of the rib of the head on which the stop-
block is secured, and Fig. 4 is a cross-sec-
tional view on the line 4 4 of Fig. 3. 60

A indicates the coupling-head, having the
pivot-supporting arms A' A², in which arms
are formed the pivot-pin hole or holes, (indi-
cated at B B.)

C is the usual headed pivot-pin; D, the 65
downwardly-extending arm of the stop-block
from the lower edge of which projects the
stop ledge or flange E, preferably recessed on
its front edge in segmental form, as indicated
at F, and so that the portion extending be- 70
low the pivot-pin hole is in the form of an an-
nular ledge or flange.

G is the lateral brace or flange extending
from the back of the downwardly-extending
arm D and merging into the bottom of the 75
coupler.

I have indicated in dotted lines at H H'
the usual drifting-tool, the shaft thereof be-
ing indicated at H and the cutting edge there-
of at H'. 80

It will be seen that my stop-block, while
extending below the pivot-pin hole to a suf-
ficient distance to serve as a ledge to support
the pivot-pin in case of breaking or in the ab-
sence of a head, does not extend to the center 85
of the pivot-pin hole and by its shape and
conformation gives ready access to the drift-
ing-tool H H', which can be used from the
lower end of the coupler just as efficiently as
if the stop-ledge were non-existent. 90

Having now described my invention, what
I claim as new, and desire to secure by Let-
ters Patent, is—

1. A coupler-head having a pivot-pin hole
formed in it and a stop-finger extending be- 95
low said hole to a distance short of the center
thereof and so as to afford a support for a
pivot-pin without interfering with the intro-
duction of a drifting-tool into the pin-hole
from the lower end thereof. 100

2. A coupler-head having a pivot-pin hole
formed in it and a stop-finger extending be-

low said hole in the form of a segmental flange to a distance short of the center thereof and so as to afford a support for a pivot-pin without interfering with the introduction of a drifting-tool into the pin-hole from the lower end thereof.

3. A coupler-head having a pivot-pin hole formed in it and a stop-finger cast integral with the head and consisting of a downwardly-extending arm with a laterally-ex-

tending stop-ledge projecting from its end and forming a segmental flange projecting below but not to the center of the pin-hole, said downwardly-extending arm being braced by a laterally-extending vertical flange.

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Witnesses:

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