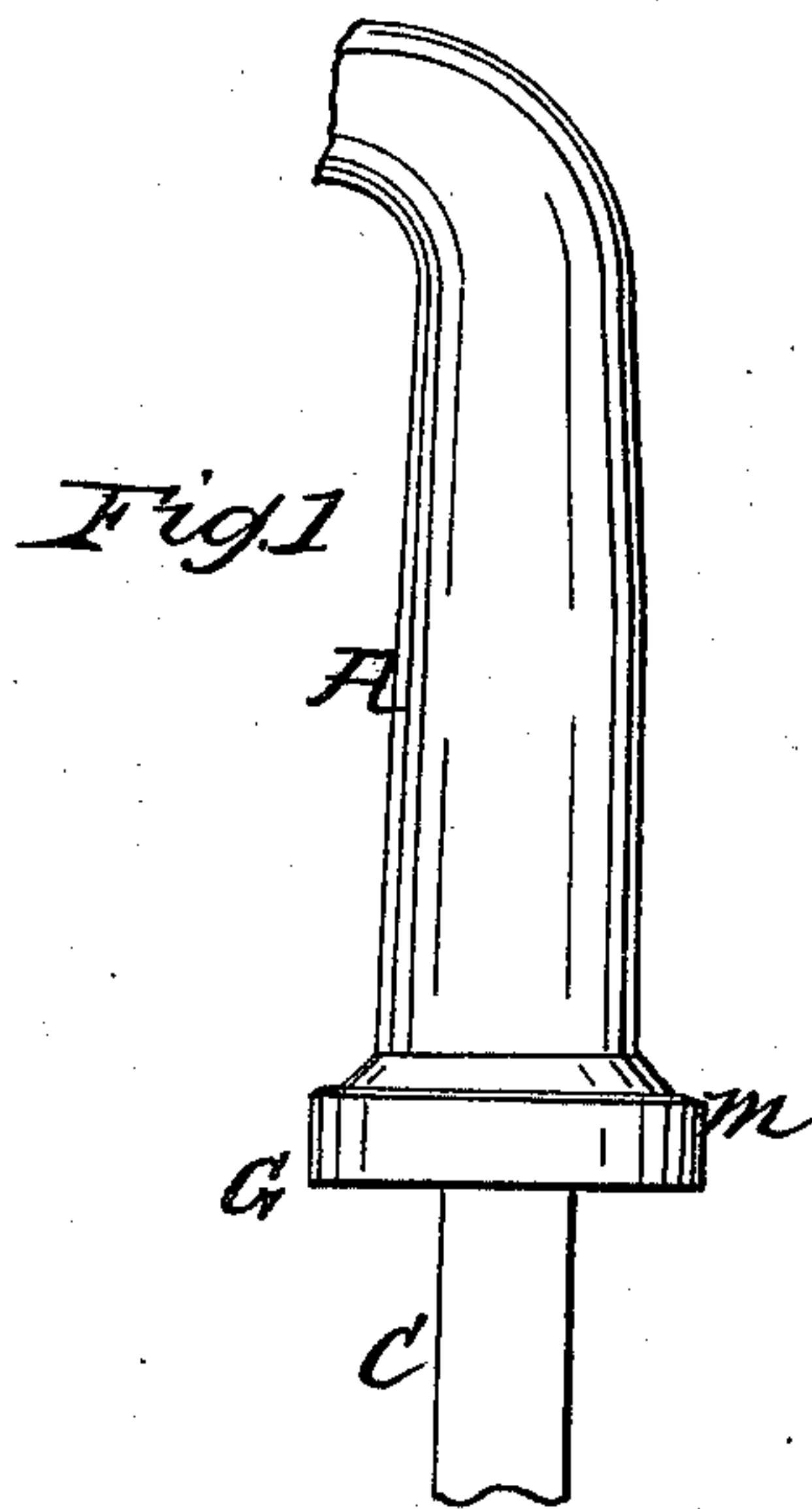
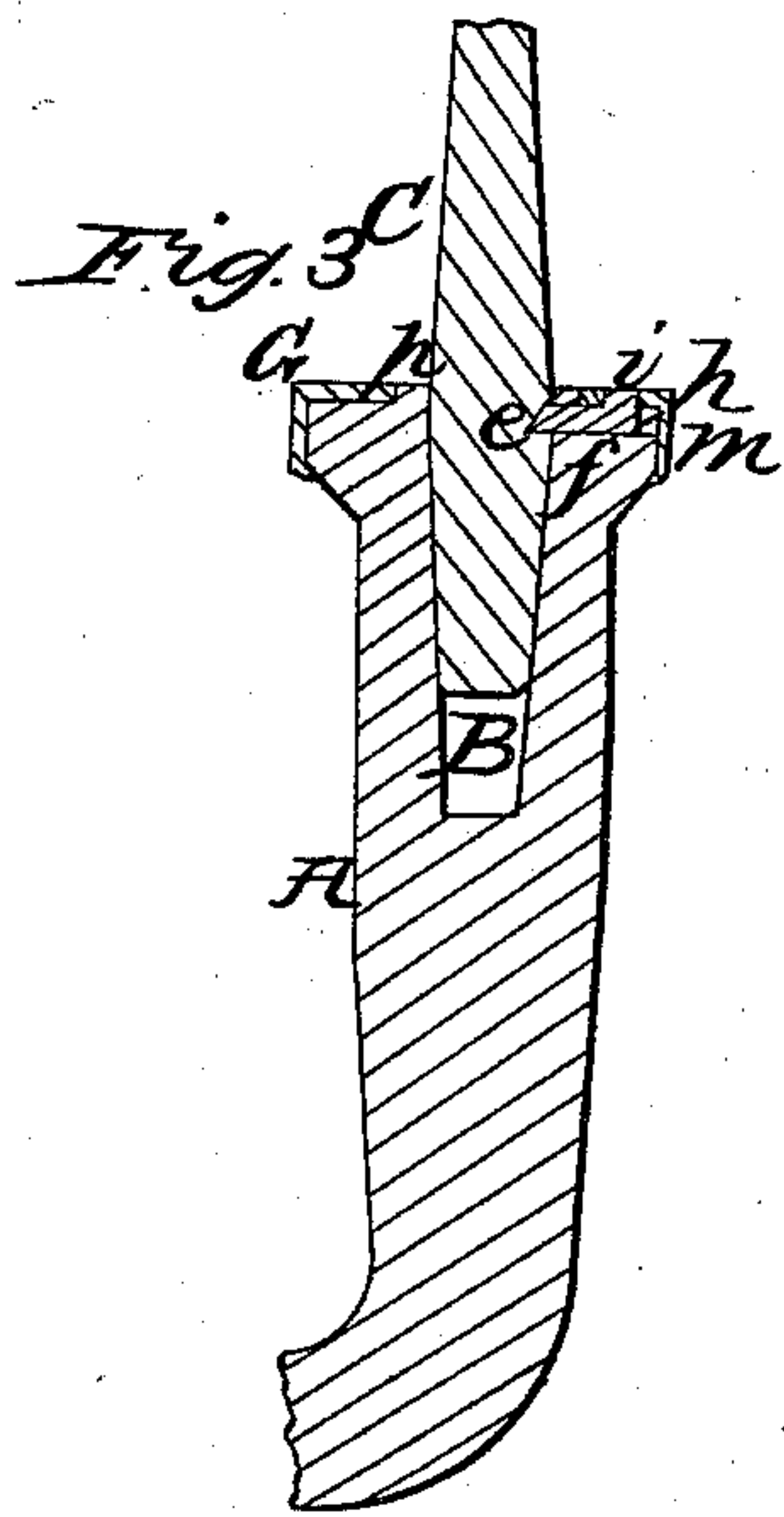
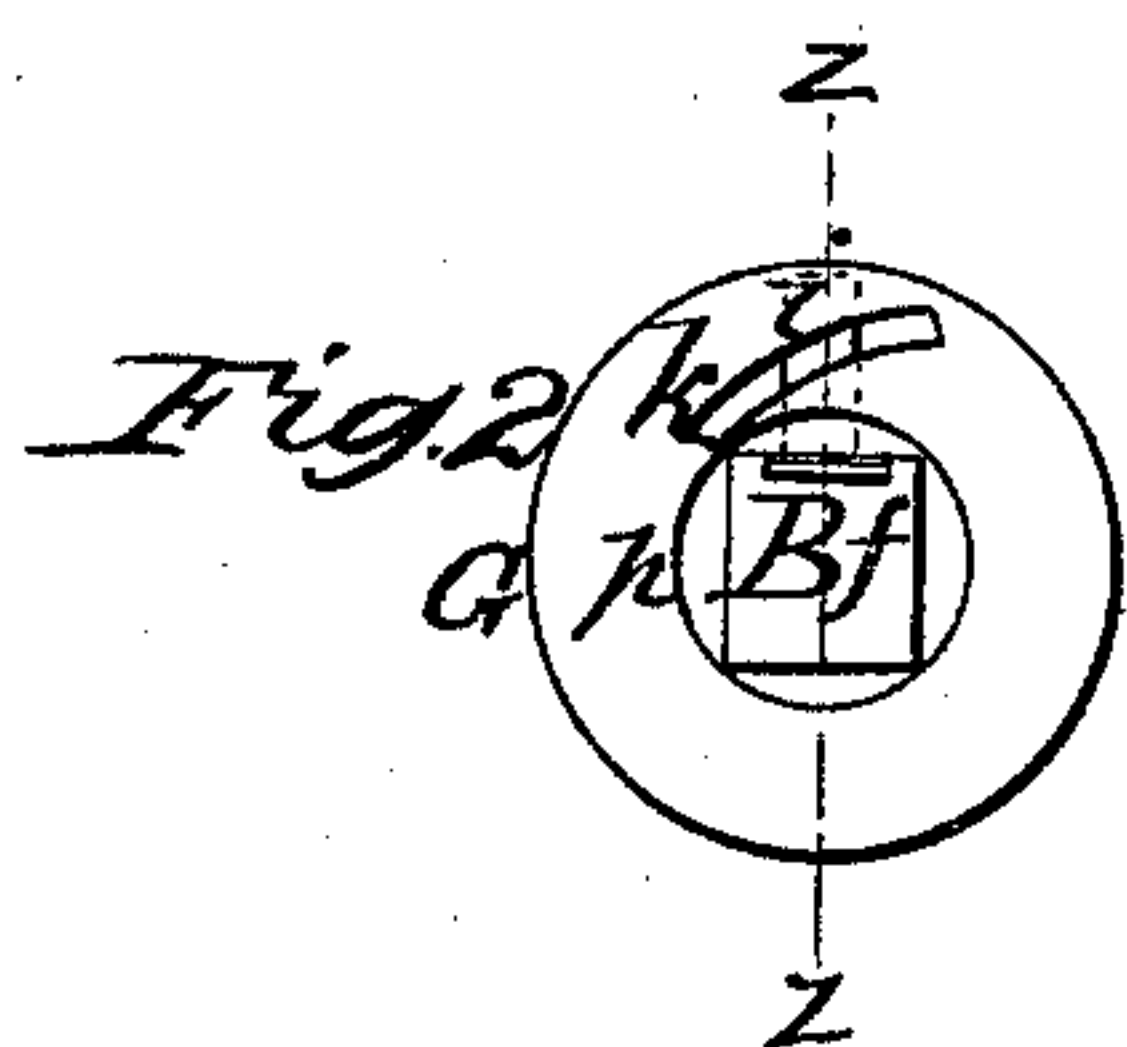


*J. Allender,*

*Bit Stock.*

*N<sup>o</sup> 10,853.*

*Patented May 2, 1854.*



# UNITED STATES PATENT OFFICE.

JOHN ALLENDER, OF NEW LONDON, CONNECTICUT.

OPERATING CATCH IN TOOL-HOLDERS.

Specification of Letters Patent No. 10,853, dated May 2, 1854.

*To all whom it may concern:*

Be it known that I, JOHN ALLENDER, of New London, in the county of New London and State of Connecticut, have invented  
5 certain new and useful Improvements in Sockets to Hold Tools; and I do hereby declare that the same are described and represented in the following specifications and drawings.

10 To enable others skilled in the art to make and use my improvements I will proceed to describe their construction and use referring to the drawings in which the same letters indicate like parts in each of the figures.

15 Figure 1, is an elevation of the socket with the shank of a tool in it. Fig. 2 is an elevation of the end of the socket. Fig. 3, is a section of Fig. 2, cut through the line *z z*.

20 In these drawings A is a socket or a portion of a bit stock, with a hole B in the end to which the shank C of a tool or bit is fitted; which shank is provided with a score *e* for the end of the catch *f* which traverses  
25 in the slot and score *h* in the end of the socket A. The catch *f* is provided with a projection *i* fitted to the eccentric score *k* in the face plate G which plate is fitted to the end of the socket A and provided with a  
30 rim or flange *m* which surrounds the end of the socket and is burnished over the rim or flange of the socket as represented in Fig. 3, to hold it on, and at the same time allow it  
35 to move freely on the socket when it is desirable to draw back the catch *f*, and release the shank C or force it forward and fasten the shank C in the socket A; the eccentric groove or score *k* acting upon the projection  
40 *i* of the catch *f*, as the face plate G is turned by seizing it with the hand; and the edge of the plate and the outside of the flange may

be milled or scored to prevent the hand from slipping upon it.

I contemplate that the face plate G may be held against the end of the socket by  
45 countersinking the hole in it and riveting over the end of the socket A which projects through it at *p*. Or there may be some circular slots in the face plate for screws to be put through and screwed into the end of the  
50 socket to hold it on, so as to dispense with burnishing over the edge of the flange *m*, and the flange also if desirable.

I am aware numerous sockets have been devised to hold tools, and also many devices  
55 to hold the tools in the sockets, most of them are either expensive to make, inconvenient to use, are complicated, consisting of many pieces, or do not hold the tools well after they are inserted, so that something simple,  
60 cheap, convenient to use and that would hold the tools well and firmly has long been wanting.

The object of my invention is to supply this want, by furnishing a more simple  
65 socket consisting of but few pieces, that is convenient to use and will hold the tools firmly, besides being far cheaper and a much better article than those heretofore made.

What I claim as my invention and desire  
70 to secure by Letters Patent in the above described socket is—

The face plate with an eccentric groove or slot in combination with the sliding catch,  
75 with a projection fitted to said groove and so arranged as to traverse the catch by turning the plate substantially as described.

JOHN ALLENDER.

Witnesses:

THOMAS PIMER,  
THOMAS HAWORTH.