

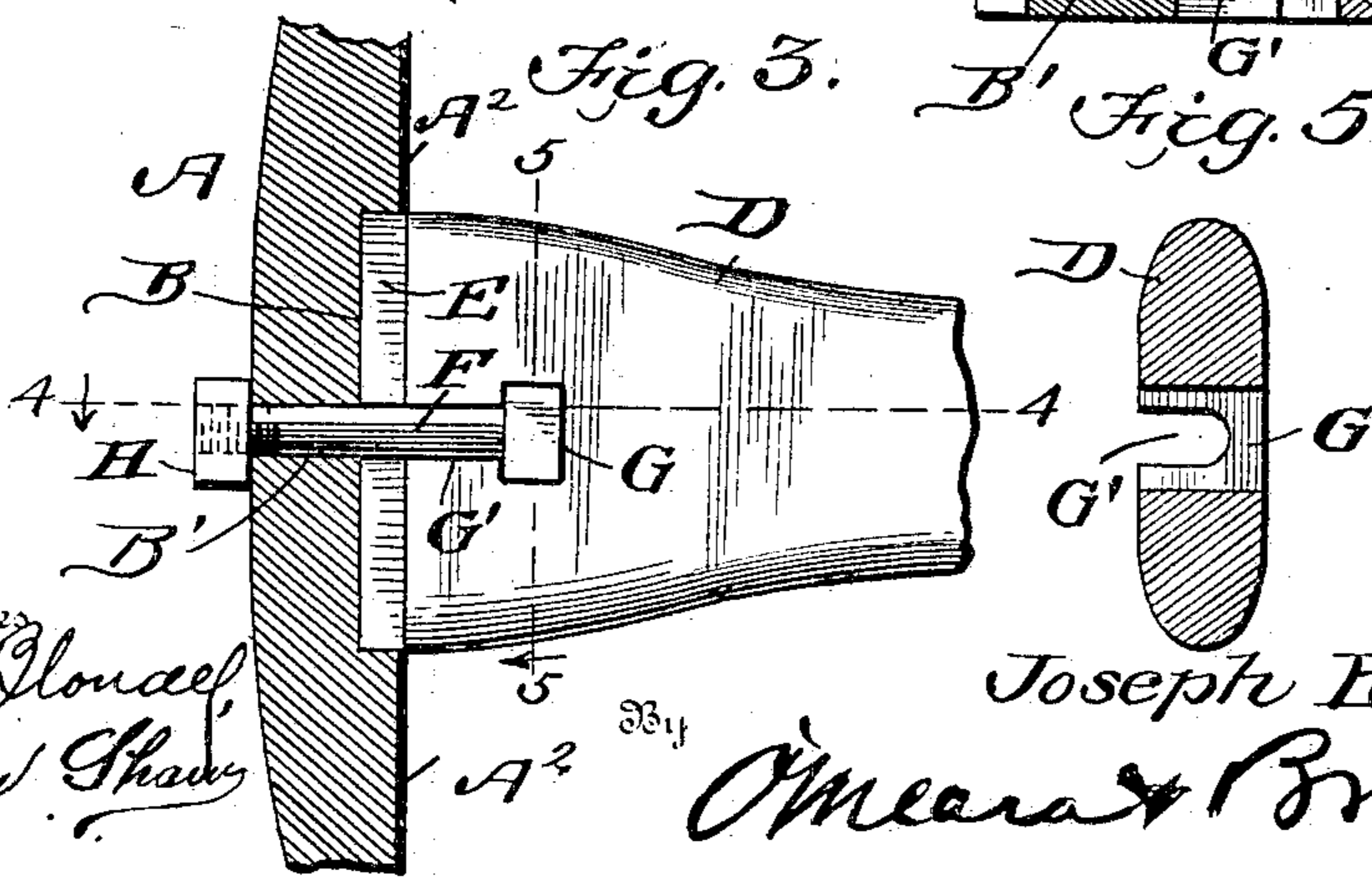
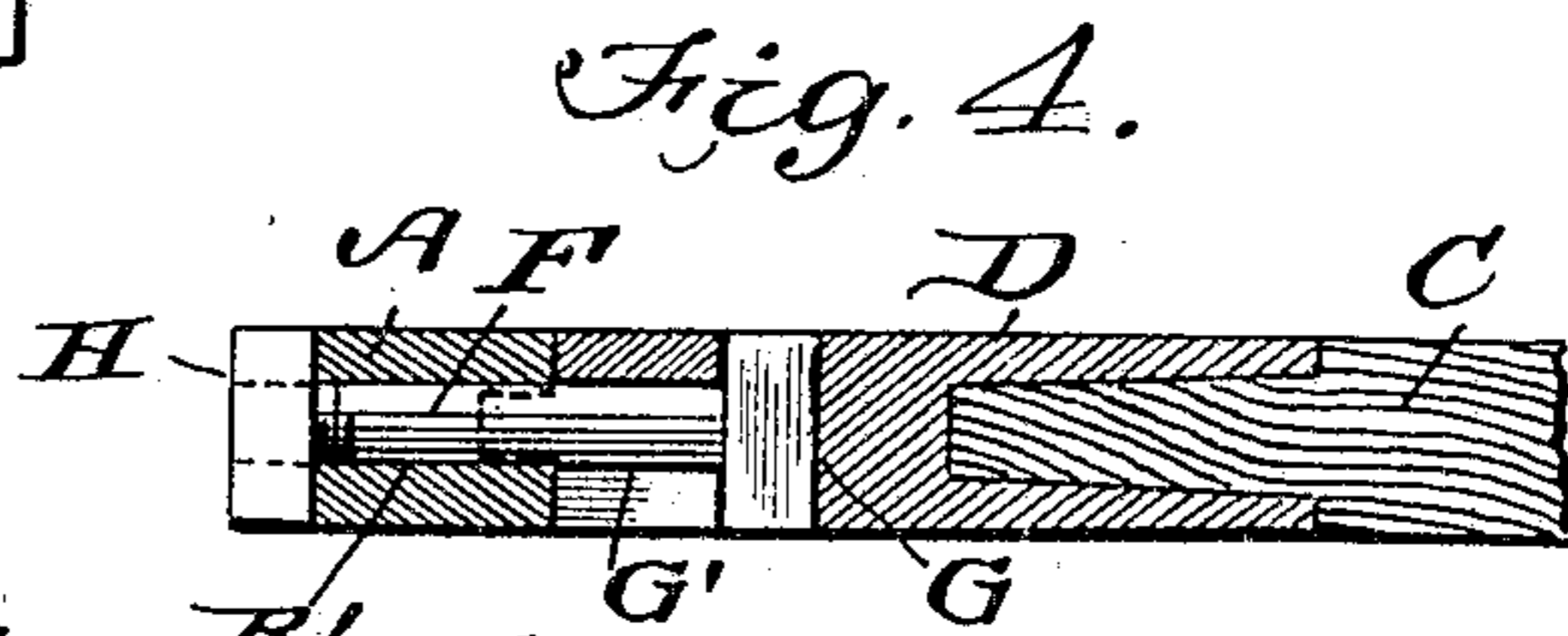
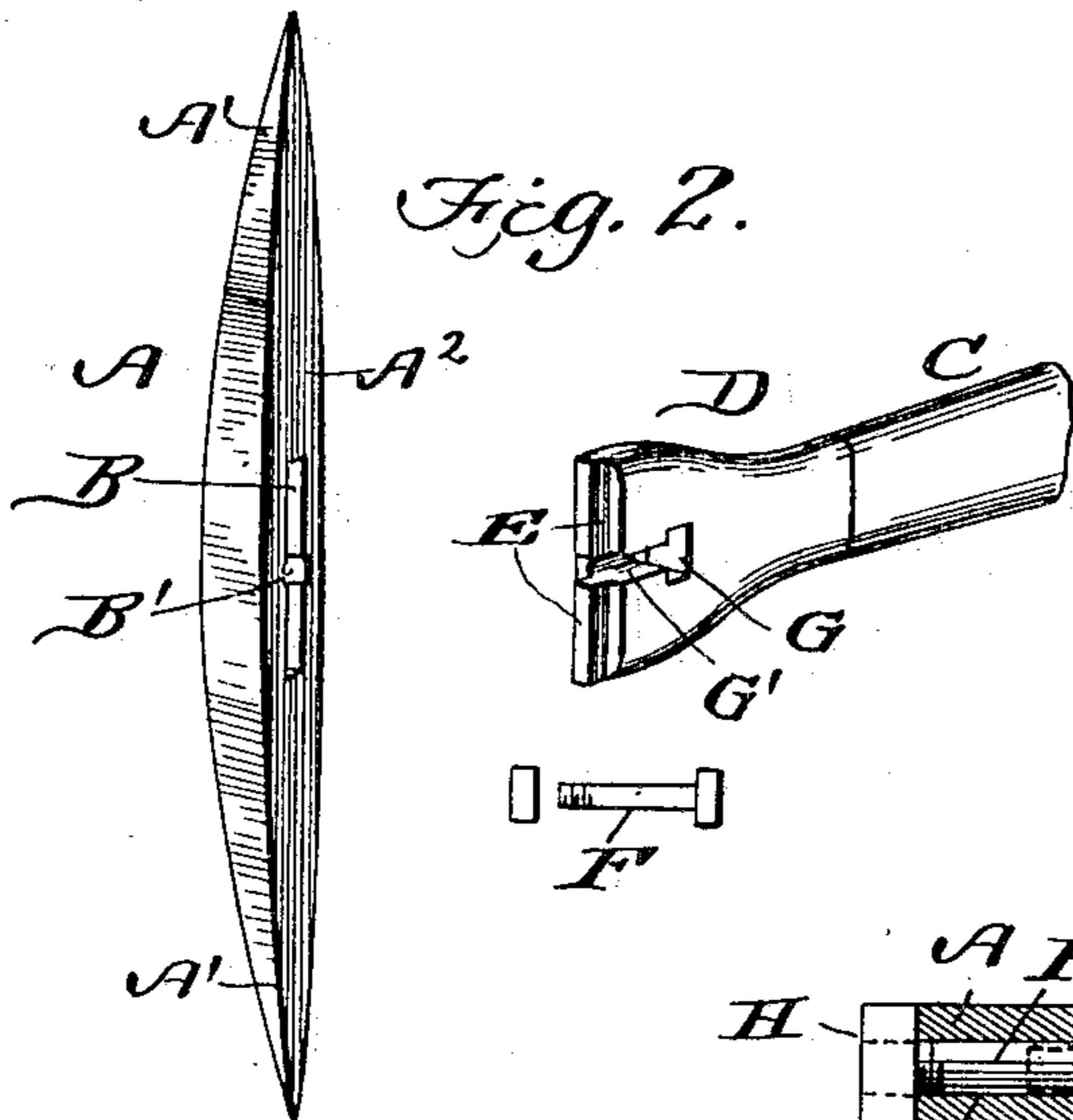
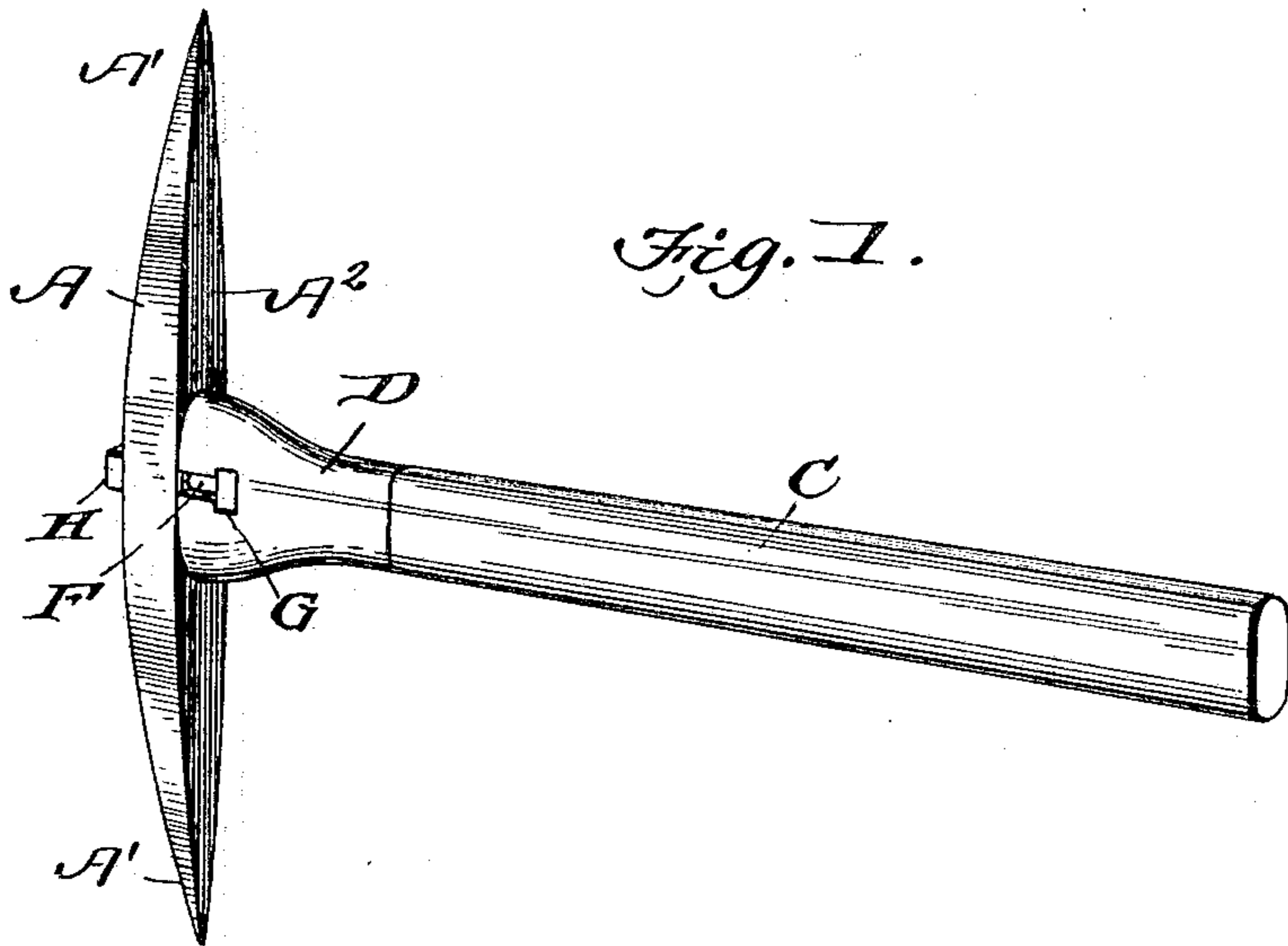
No. 758,915.

PATENTED MAY 3, 1904.

J. HARTSHORN.
PICK.

APPLICATION FILED OCT. 22, 1903.

NO MODEL.



Inventor

Joseph Hartshorn,

O'Meara & Brock
Attorneys

Witnesses
M. H. Blouet
Charles Shaw

UNITED STATES PATENT OFFICE.

JOSEPH HARTSHORN, OF STUART, IOWA.

PICK.

SPECIFICATION forming part of Letters Patent No. 758,915, dated May 3, 1904.

Application filed October 22, 1903. Serial No. 178,088. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HARTSHORN, a citizen of the United States, residing at Stuart, in the county of Guthrie and State of Iowa, have invented a new and useful Pick, of which the following is a specification.

This invention relates generally to picks, and more particularly to a miner's pick and the peculiar manner of connecting the same to the handle.

The object of the invention is to provide an exceedingly simple form of connection by means of which the pick can be quickly and easily connected to or disconnected from the handle and one which, owing to the simplicity and durability of the parts, is not likely to get out of order.

With these objects in view the invention consists in the novel features of construction, combination, and arrangement, all of which will be fully described hereinafter and pointed out in the claim.

In the drawings forming part of this specification, Figure 1 is a perspective view of a pick constructed in accordance with my invention. Fig. 2 is a detail perspective view showing the inner face of the pick, the end of the ferrule, and the nut and bolt for connecting the pick and ferrule. Fig. 3 is a side elevation of the ferrule and bolt, a portion of the pick being shown in section. Fig. 4 is a horizontal sectional view on the line 4 4 of Fig. 3. Fig. 5 is a vertical sectional view on the line 5 5 of Fig. 3.

In carrying out my invention I employ a pick A, which is pointed at each end, as shown at A', and the inner face of the pick is made straight, as shown at A², and is provided with a longitudinal mortise or recess B. A bolt-opening B' extends centrally through the pick, said bolt-opening communicating with the longitudinal mortise or recess. The handle C fits into a malleable-iron ferrule D, which is socketed to receive the handle. This ferrule has a longitudinal tenon E produced upon the outer end thereof, which is adapted

to fit into the longitudinal mortise or recess produced in the pick, and for the purpose of rigidly connecting the pick and ferrule together I employ a bolt F, the head of which is square and fits in a socket G, produced in the ferrule and extending entirely through the same, the shank of the bolt resting in a groove G', which communicates with the socket G and extends entirely through the end of the ferrule, said groove bisecting the longitudinal tenon E, as most clearly shown in Figs. 2 and 3. When the tenon of the ferrule is inserted in the longitudinal mortise, the bolt passes through the bolt-opening B', and a nut H is screwed upon the outer end thereof, thus securely connecting the pick and ferrule together. When it is desired to remove the pick, it is only necessary to remove the nut, and said pick can then be readily disengaged. In case the bolt should become broken or bent it can be quickly and easily removed from the ferrule after the pick has been removed and another bolt inserted and all of the parts reassembled.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of pick and means for connecting the same to the handle.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A device of the kind described, comprising a pick having a longitudinal mortise, and a bolt-opening communicating with said mortise and extending through the body of the pick, a ferrule having a longitudinal tenon, a socket extending entirely through the ferrule and having a groove communicating with said socket and extending to the end of the ferrule, a bolt having a square head adapted to fit in the socket, and the nut adapted to be screwed upon the threaded end of the bolt.

JOSEPH HARTSHORN.

Witnesses:

JAMES H. GOWDER,
JACOB YEAGER.