J. I. BARON.

SPIRAL TOOL DRIVER.

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924,878.

Patented June 15, 1909.

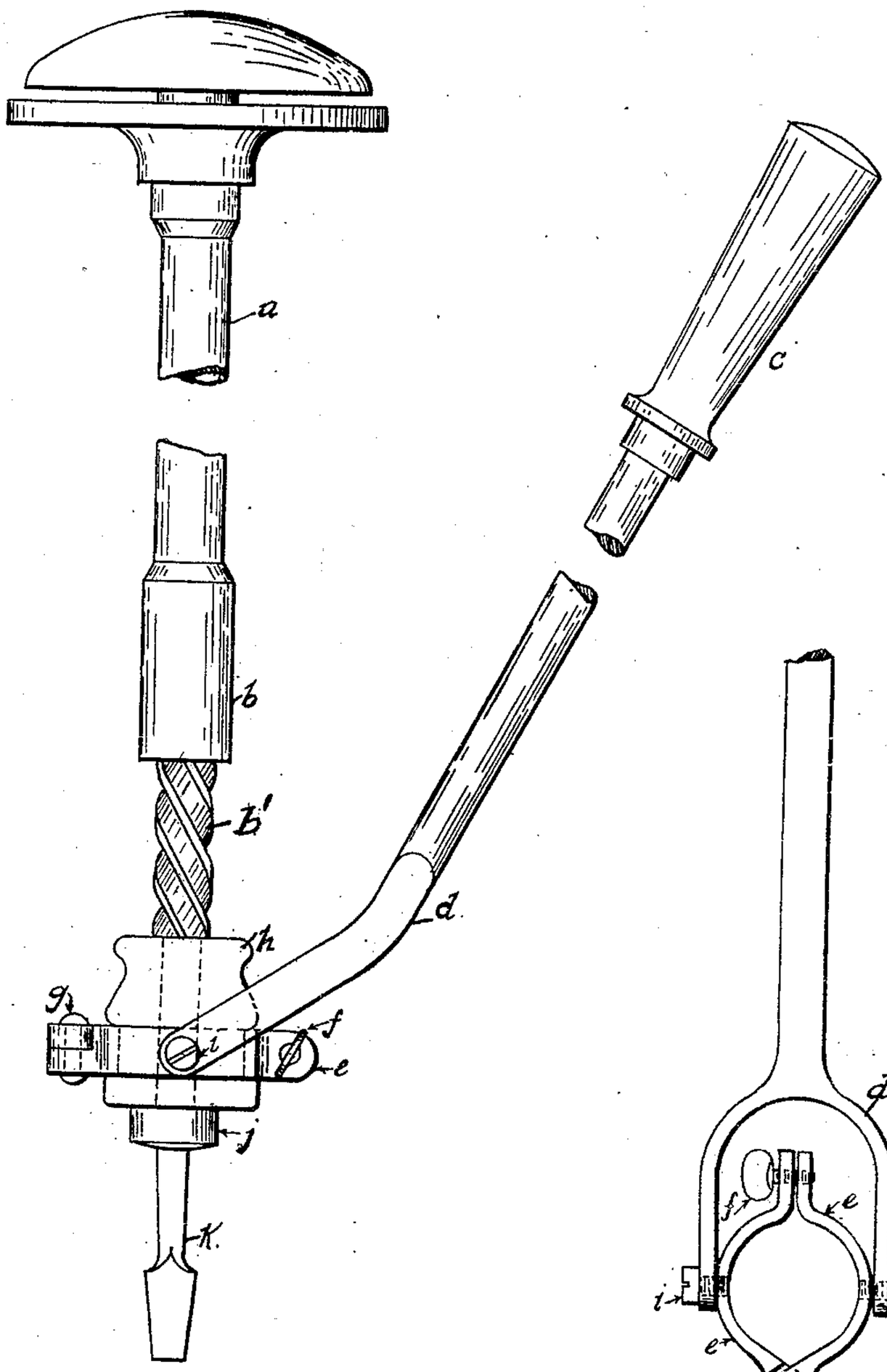

Fig. 1.

Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JEROME I. BARON, OF ERIE, PENNSYLVANIA.

SPIRAL TOOL-DRIVER.

No. 924,878. Specification of Letters Patent. Patented June 15, 1909.

Application filed October 15, 1908. Serial No. 457,791.

To all whom it may concern:

Be it known that I, JEROME I. BARON, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented new and useful Improvements in Spiral Tool-Drivers, of which the following is a specification.

This invention relates to spiral tool drivers, and consists in certain improvements in the construction thereof as will be hereinafter fully described and pointed out in the claims.

The invention is particularly adapted to that type of spiral tool drivers which are used for driving screw drivers and similar small tools by reciprocating the handle held against rotation on a spiral driving rod, thus giving to the rod and tool rotative movement, and in each of these devices there is a bearing which may be grasped to guide the tool, and where the device is used for operating tools upon floors it is particularly inconvenient to hold this bearing, and at the same time to reciprocate the handle to rotate the tool.

The object of the invention is to provide means for making this use of the tool more convenient.

The invention is illustrated in the accompanying drawings as follows:

Figure 1 shows a side elevation of the tool. Fig. 2 a plan view of the handle detached.

a marks the reciprocating tool handle; *b* the driving mechanism of the handle; *b'* the spiral rod operated by the handle; *h* the bearing in which the rod operates; *j* the chuck in which the tool *k* is carried. A clamp is formed of the sides *e* hinged at *g*, and brought together with the screw *f*. The clamp is placed on the bearing *h*, and secured in place. A handle *c* has the crotch *d* which extends to each side of the clamp, and is pivotally secured thereto by the screws *i*.

In the operation of this device, instead of grasping the bearings *h* directly, the handle *c* is grasped and this permits of a more convenient position for operating the reciprocating handle *a* than where the bearing is grasped directly. I prefer providing the clamp, so that the handle may be universally applied, but if desired, the handle *c* may be connected directly to the bearing. I prefer to pivot the handle *c* in order that it may be moved into the most convenient position for operating it.

What I claim as new is:

1. The combination of a spiral tool driver; a guide bearing for said driver; and a handle pivotally mounted on the bearing and extending in a radial direction therefrom, and adapted to be swung toward and from the axis of the bearing.

2. The combination of a spiral tool driver; a guide bearing for said driver; a clamp for engaging the driver; and a handle pivotally mounted on the clamp extending in a radial direction therefrom, and adapted to be swung toward and from the axis of the tool.

3. A handle for the guide bearing of a spiral tool driver, comprising a clamp adapted to engage the guide bearing; and a handle pivotally mounted on the clamp extending in a radial direction therefrom, and adapted to be swung toward and from the axis of the clamp.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JEROME I. BARON.

Witnesses:
ROBERT F. ROBERTS,
BELLE BEERS.