No. 692,028. Patented Jan. 28, 1902.

T. C. PAGE.

SURFACE CHECKING DEVICE.

(Application filed Aug. 14, 1901.)

(No Model.)

Fig. 1.

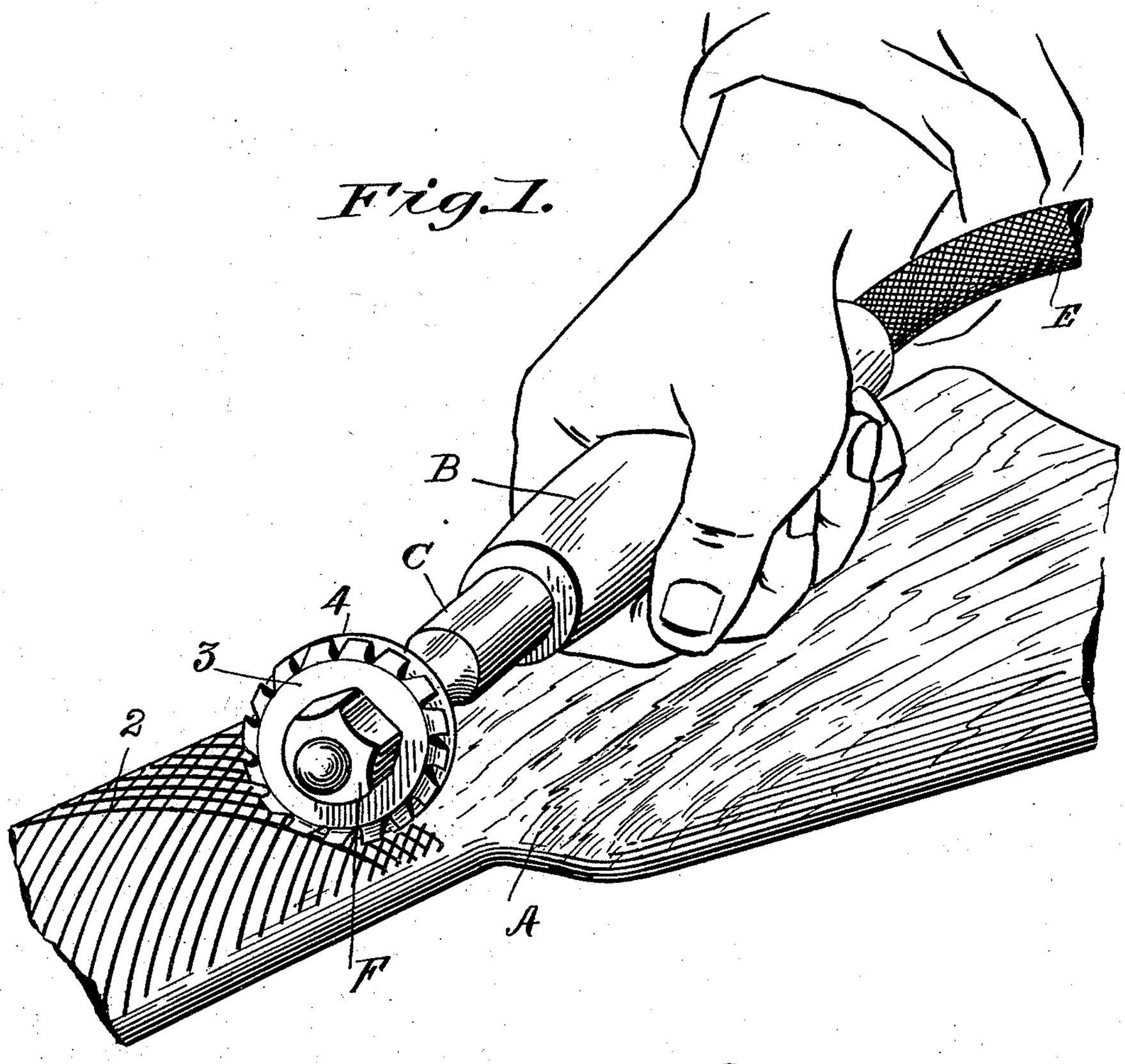
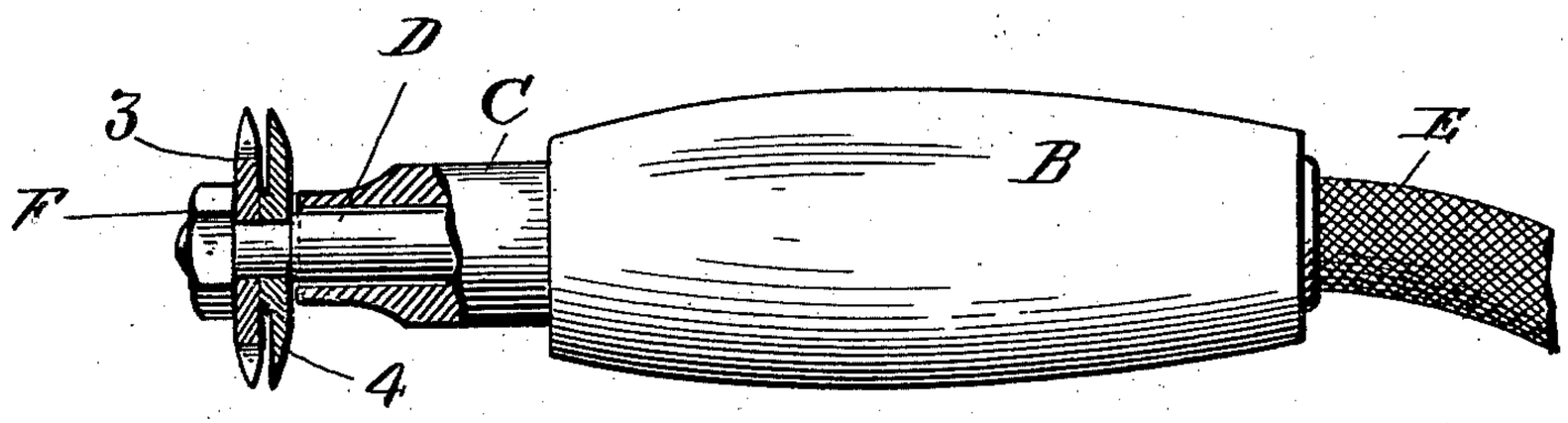


Fig. 2.



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UNITED STATES PATENT OFFICE.

THOMAS CLARK PAGE, OF CHICOPEE FALLS, MASSACHUSETTS.

SURFACE-CHECKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 692,028, dated January 28, 1902.

Application filed August 14, 1901. Serial No. 71,983. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CLARK PAGE, a citizen of the United States of America, residing at Chicopee Falls, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Surface-Checking Devices, of which the following is a specification.

This invention relates to devices for checking the surface of gun-stocks or of other substances capable of being cut by a revolving cutter supported by hand or otherwise, the object being to provide improved devices for said work which are conveniently held and guided by the hand of the operator and whereby perfect uniformity of checking-grooves is effected and with greater rapidity than heretofore. I attain this object by the mechanisms illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view illustrating a part of a gun-stock, the hand of an operator, and checking devices shown as held in said hand constructed according to my invention, said stock showing on the surface thereof certain check-lines as produced by the use of said devices. Fig. 2 is a side elevation of said checking devices, partly in section.

Referring to the drawings, A indicates a part of a gun-stock and illustrates by the crossing lines 2 thereon the character of the "checking" above referred to.

The checking devices comprise a hollow handle B, which is grasped by the hand of the operator, as shown in Fig. 1, a tubular cutter-arbor support C, carried in said handle, a cutter-arbor D, supported for rotary movement in said cutter-arbor support C, a flexible driving-shaft E, connected to the rear extremity of said arbor, and a combined circular check-line cutter and cutter-guide, (indicated, respectively, by 3 and 4,) the latter two elements being secured on the outer end of said arbor by a nut F, as shown. Said cutter and cutter-guide may be adjusted to varying degrees of separation by placing a washer or washers between them or by varying the thickness of a hub formed on the inner surface of said guide, as shown in Fig. 2.

In carrying my invention into practice in checking objects the first or primary one of a series of check-grooves is formed in any suitable manner in the surface thereof, adapted to receive the periphery of said cutter-guide 4. The device is then held substantially as shown in Fig. 1, bringing said guide periphery into one end of said primary groove, (rotary motion being imparted by the driving-shaft E to that and the cutter 3,) and the operator moves the guide and the cutter across the surface to be checked, thereby cutting a second groove parallel with the first, and thus repeats the groove-cutting operations until check-forming lines shall all be cut.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A surface-checking device comprising a rotatable shaft, means for movably supporting said shaft and for rotating the same, a groove-cutter, and a cutter-guide carried on said shaft, and means for varying the separation of said guide and cutter, whereby fine or coarse checking is produced by the same tool, substantially as described.

2. A device for checking the surface of objects, comprising a rotatable shaft, means for holding said shaft by the hand, while rotating, a guide on said shaft engaging a check-groove while moved over said surface, and a groove-cutter on said shaft whose line of movement is controlled by said guide, substantially as described.

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