

E. B. Fish.

Nicking Screw Heads.

N^o 64,089.

Patented Apr. 23, 1867.

Fig. 1



Fig. 3.

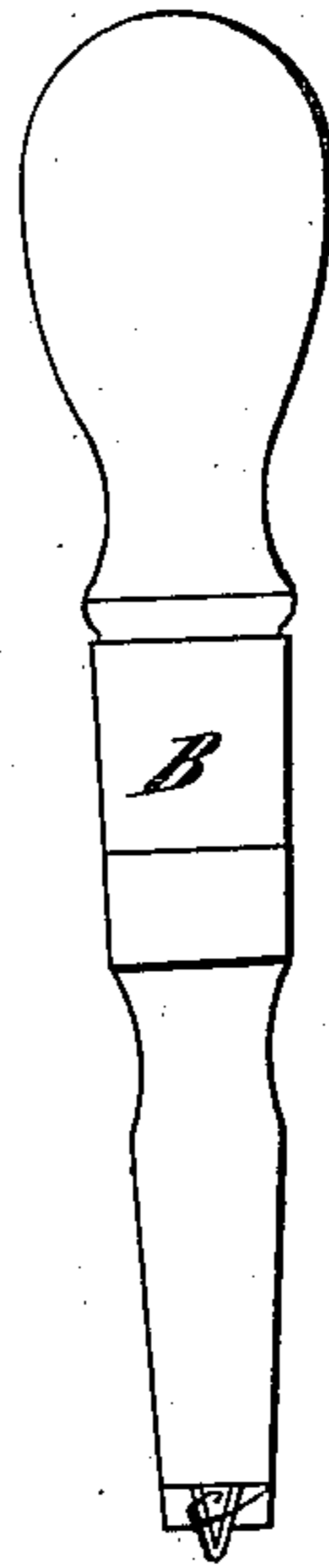
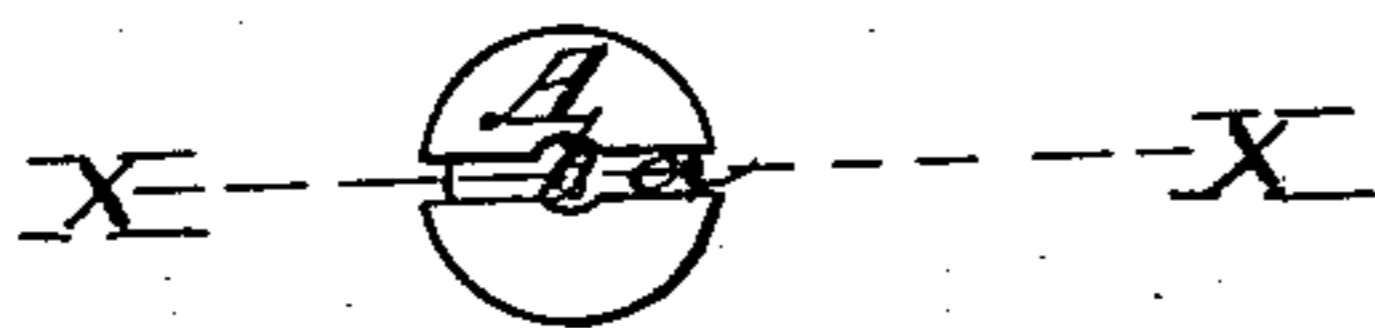


Fig. 2



Witnesses

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EDWARD B. FISH, OF GLENN'S FALLS, NEW YORK.

Letters Patent No. 64,089, dated April 23, 1867.

IMPROVEMENT IN NICKING SCREW-HEADS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWARD B. FISH, of Glenn's Falls, in the county of Warren, and State of New York, have invented a new and useful Improvement in Screws; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

A great deal of annoyance and inconvenience is occasioned when inserting screws into joiners' and coach makers' work, by the screw-driver slipping out of the countersink in the screw-head; and this often occurs, however careful the workman may be, to an extent to greatly mar the job or work. The object, therefore, of my invention is to so construct a screw and adapt to it the end of the driving-tool, as to preclude the contingency of the driving-tool slipping. My invention consists in constructing screws with a cavity or indentation at about the middle of the countersink in the head of the screw, and the same being intended for receiving a projecting piece on the end of a screw-driver, whereby there will be but little if any liability of the driving-tool slipping out of the countersink in the screw whilst in the act of driving the screw. In the accompanying drawing—

Figure 1 is a central longitudinal section of screw made according to my invention, taken on the plane of the line *x x*, fig. 2.

Figure 2 is a top view of the screw.

Figure 3 is a side elevation of a driving-tool adapted to said screw.

Similar letters of reference indicate like parts.

A designates an ordinary screw, the countersink on its head being indicated by the letter *a*, fig. 2. At about the centre diametrically of the head, and at about the centre longitudinally of the countersink in the screw, I form a cavity, *b*, the said cavity being such that it can be made at the time the countersink is cut in the screw, so as not to increase the expense of the screw in any material degree. In fig. 4 I have illustrated a screw-driver which may be used for driving my screw. *B* designates the driver, which has on its end or edge a projecting piece, *c*, which latter is intended to sink into the cavity *b* of the screw. By thus constructing a screw it will not be so changed that it cannot be operated as an ordinary screw, and in addition to this it possesses the great advantage that by using in connection with it a properly-constructed screw-driver *B*, it can be driven in and drawn out without any liability of the driver slipping out of the countersink. I am aware that nuts with notches cut in opposite edges, and a screw-driver to match, have been used, but I do not claim any such devices.

What I claim as new, and desire to secure by Letters Patent, is—

A nicked screw, provided with a cavity, *b*, in its head, substantially as specified.

EDWARD B. FISH.

Witnesses:

C. R. CAMERON,

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