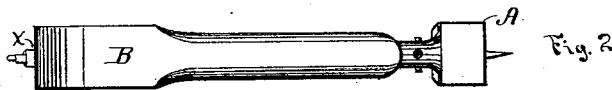
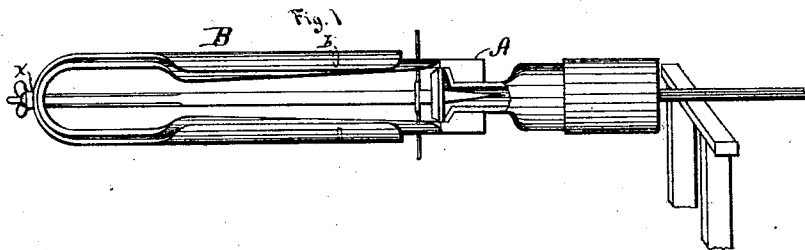


B. F. TURNER.

Machine for Holding Glass-Blowers.

No. 127,530.

Patented June 4, 1872.



Witnesses.

R. W. Steele
Harry C. Clark

Inventor.

B. F. Turner by
Dyer, Beadle, attys.

UNITED STATES PATENT OFFICE.

BENJAMIN F. TURNER, OF BRIDGETON, NEW JERSEY.

IMPROVEMENT IN MACHINES FOR HOLDING GLASS-BLOWERS' TOOLS.

Specification forming part of Letters Patent No. 127,530, dated June 4, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, BENJAMIN F. TURNER, of Bridgeton, in the county of Cumberland and State of New Jersey, have invented a new and useful Improvement in Machines for Holding Glass-Blower Tools; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention is designed for use in connection with glass-blower tools for finishing bottles or vials, for the purpose of protecting the hand of the workman from being burned; and consists of a metallic shield adapted to cover the sides of the tool, and so arranged as to permit the circulation of air between it and the hot tool in order that it may not become unduly heated, as will be fully described hereinafter.

In the drawing, Figure 1 represents a side elevation of a glass-blower's tool having my improved shield applied thereto. Fig. 2 also represents an elevation, the position being changed. Fig. 3 represents a partial view of the tool with the shield removed; and Fig. 4, a cross-section, showing the shield with its stud *b*, by means of which it is prevented from coming into direct contact with the hot tool.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and operation.

A represents the finishing-tool, which is constructed in the usual manner, with the exception that it is provided at the point *d* with a threaded rod and hand-nut, as shown. B represents the shield, which is made of any suitable

metal, of such shape and size as to conform to the general outline of the tool which it is designed to cover. It is attached to the tool A by means of an opening in its rear end, through which is passed the threaded-rod *d*, as shown, the hand-nut being employed to attach the two securely together. *b b* represent pins or studs projecting from the inner face of the shield, which studs are designed to prevent the shield from coming into close contact with the hot tool. By means of this construction a space is left between the tool and the shield for the free circulation of air, and consequently the latter is not liable to become overheated. It will be observed, also, that the only parts of contact between the shield and the hot tool are at the rear end when the tool is coolest, and at the studs *b* when the surfaces in contact are of small extent, consequently but little heat is communicated by conduction.

This tool is designed to supersede the wrapping of rags, which is usually employed to protect the hands. When it becomes necessary to dress the tool, the shield is quickly removed by unscrewing the hand-nut.

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

1. The combination of the removable shield B with the tool A, substantially as described.
2. The shield B, constructed as described, with its studs *b*, for the purpose set forth.

This specification signed and witnessed this 1st day of April, 1872.

B. F. TURNER.

Witnesses:

ENOCH B. WALLEN,
J. O. ROCKWELL.