

G. D. DEAN.
Screw-Plates.

No. 151,010.

Patented May 19, 1874.

Fig. 1

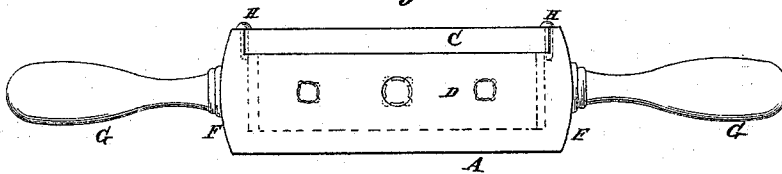


Fig. 2

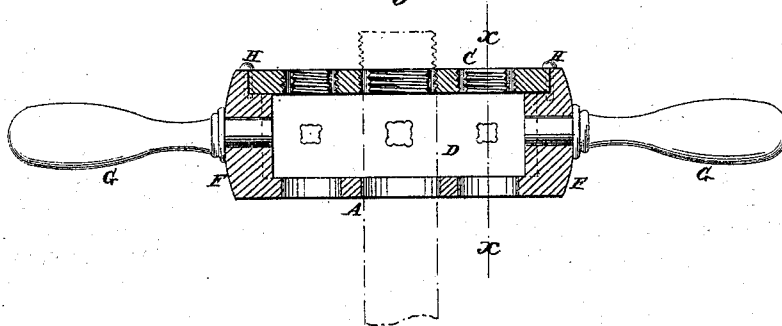
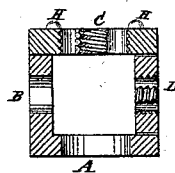


Fig. 3



WITNESSES:

A. W. Amqvist
Chulquick

INVENTOR:

G. D. Dean

BY

Munnell

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE D. DEAN, OF NEW YORK, N. Y., ASSIGNOR TO FRANK G. GREEN,
OF SAME PLACE.

IMPROVEMENT IN SCREW-PLATES.

Specification forming part of Letters Patent No. **151,010**, dated May 19, 1874; application filed
April 25, 1874.

To all whom it may concern:

Be it known that I, GEORGE D. DEAN, of the city, county, and State of New York, have invented a new and useful Improvement in Combined Screw and Guide Plates, of which the following is a specification:

The object of this invention is to furnish more convenient and efficient means for cutting screw-threads on gas-pipes, in the operation of putting such pipes into buildings, than has hitherto been known.

In furnishing buildings with gas-pipes and fixtures, the pipes are necessarily frequently cut to adapt them to the required length, and screw-threads have to be cut thereon. This has hitherto been done with the ordinary screw-plate, two or three plates being used to suit the various sizes of pipe, and those not well adapted for the purpose.

My invention consists in a screw or die plate, in which is combined all the standard sizes and threads used for the purpose, with a guide for each die, the dies and guide-holes being arranged in a convenient and compact form.

In the accompanying drawing, Figure 1 is a side view. Fig. 2 is a longitudinal section. Fig. 3 is a cross-section of Fig. 2, taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

This screw-plate is a rectangular-shaped square box, composed of two guide-plates, A and B, two die-plates, C and D, two heads, F F, and handles G G, which latter are screwed into or otherwise attached to the heads. The

two guide-plates A and B are cast, of any suitable metal, with the heads, but they may be made of wrought-iron or steel, and be put together with screws or rivets, if desired. The die-plates C D are made of steel, and confined to the heads with screws H, so that they can be readily removed, in case repairs or removal is necessary.

The guide-holes I, it will be seen, are directly opposite the dies, so that in applying the plate to a pipe it is held steady, and in the proper position for cutting the thread.

In Fig. 2 the plate is seen applied to a pipe as when in use.

J represents the pipe.

The plate is applied in the same manner for each of the several dies and guides.

Having this screw-plate, the gas-fitter is provided for cutting screws on any-sized pipes without change or annoyance, thus saving much valuable time, while being enabled to perform the work in a superior manner.

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

A screw-plate or die-stock, constructed as shown and described—that is, with the die-plates and guide-plates combined to form a rectangular-shaped box, square in cross-section, with the dies and guide-holes arranged as and for the purposes described.

GEORGE D. DEAN.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.