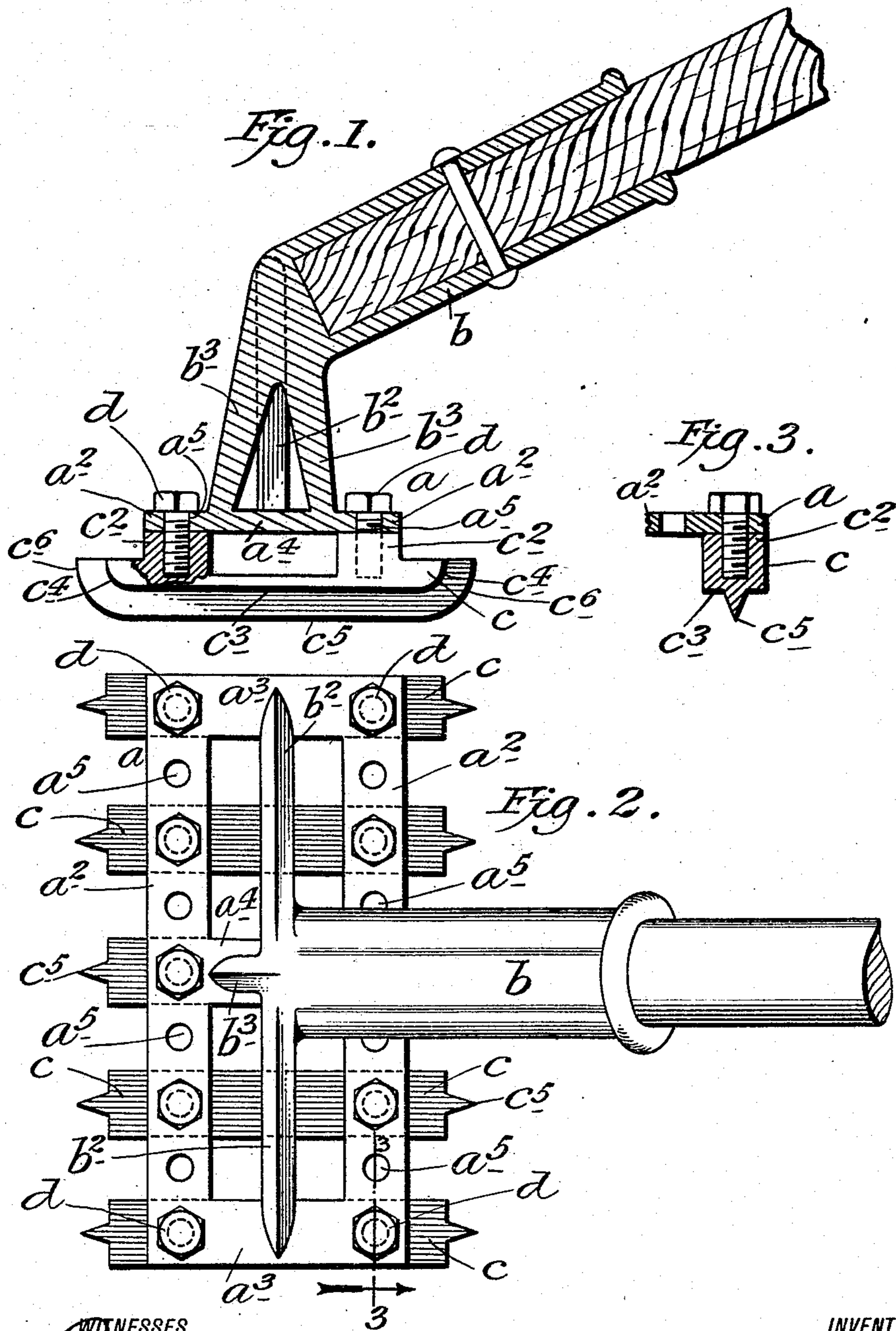


J. T. HARROP.  
CEMENT WORKER'S TOOL.  
APPLICATION FILED JULY 24, 1908.

923,834.

Patented June 8, 1909.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

JOHN T. HARROP, OF GARFIELD, NEW JERSEY.

## CEMENT-WORKER'S TOOL.

No. 923,834.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed July 24, 1908. Serial No. 445,096.

*To all whom it may concern:*

Be it known that I, JOHN T. HARROP, a citizen of the United States, and residing at Garfield, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Cement-Workers' Tools, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to tools for use in "jointing" or creasing cement pavements, and the object thereof is to provide an improved tool of this class provided with a plurality of "jointing" or creasing devices which may be adjusted so as to make "joints" or creases close together or far apart as may be desired; and with this and other objects in view the invention consists in a tool of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a sectional side view of my improved tool complete, Fig. 2 a plan view thereof, and;—Fig. 3 a partial section on the line 3—3 of Fig. 2.

In the practice of my invention, I provide an oblong rectangular frame or head *a* composed, in the form of construction shown, of side members *a*<sup>2</sup>, end members *a*<sup>3</sup> and a transverse central member *a*<sup>4</sup>, and the side members *a*<sup>2</sup> are provided with spaced holes or apertures *a*<sup>5</sup>. The frame or head *a* is also provided with a handle socket *b* which ranges transversely of said frame or head and is supported, in the construction shown, at an acute angle thereto, and which is connected therewith, in the form of construction shown, by diverging side arms *b*<sup>2</sup> and diverging front and back arms *b*<sup>3</sup>, and the frame or head *a*, the handle socket *b* and the arms *b*<sup>2</sup> and *b*<sup>3</sup> are preferably cast integrally. I also provide, in the form of construction shown, a plurality of transverse "jointing", creasing or scoring devices *c*, five of which are shown, and the body portions of said devices are

preferably provided with raised lugs *c*<sup>2</sup> and are connected with the frame or head *a* by screws *d* passed through the holes or apertures *a*<sup>5</sup> and into said raised lugs.

The body portions of the "jointing", creasing or scoring devices *c* may be of any desired transverse width or thickness, and are flat on their under sides as shown at *c*<sup>3</sup> in Fig. 3 and the ends thereof are rounded or curved upwardly as shown at *c*<sup>4</sup> in Fig. 1, and the bottom portions thereof are provided with longitudinally ranging "jointing", creasing or scoring blades *c*<sup>5</sup> which are V-shaped in cross section and the ends of which are curved upwardly or rounded as shown at *c*<sup>6</sup>. A handle *d* is also connected with the handle socket *b*, and with my improved tool an operator may stand erect or substantially so, and by moving the tool over the surface of a cement or similar pavement may form a plurality of "joints", scores or creases therein at one operation of the tool, the said tool being moved back and forth over the surface of the cement in the usual manner. By means of my improvement the "jointing", creasing or scoring devices *c* may also be adjusted longitudinally of the frame or head *a*, and the distance between the "joints", creases or scores made in the cement may thus be regulated as desired, and it will be apparent that any preferred number of said "jointing", creasing or scoring devices may be employed.

My invention is not limited to the use of a plurality of the "jointing", creasing or scoring devices *c*, as a single device of this class may be employed and the bottom thereof provided with a plurality of the blades *c*<sup>5</sup>, the advantage of improvement, when a single "jointing", creasing or scoring device is employed, being in the fact that a number of "jointing", creasing or scoring devices having a greater or less number of blades *c*<sup>5</sup> thereon may be provided, and one of said devices substituted for another whenever desired.

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

In a tool of the class described, a frame or head having a handle socket connected with

the top thereof, said frame or head being also provided with spaced holes or apertures which range transversely thereof in separate lines, and jointing devices detachably connected with the bottom of said frame by bolts passed through said holes or apertures.

In testimony that I claim the foregoing as

my invention I have signed my name in presence of the subscribing witnesses this 22nd day of July 1908.

JOHN T. HARROP.

Witnesses:

A. R. APPLEMAN,

C. E. MULBEANY.