S. J. BUEHLER.

TILE LAYER.

APPLICATION FILED FEB. 8, 1916.

1,205,852. Patented Nov. 21, 1916.

Fig. 1.

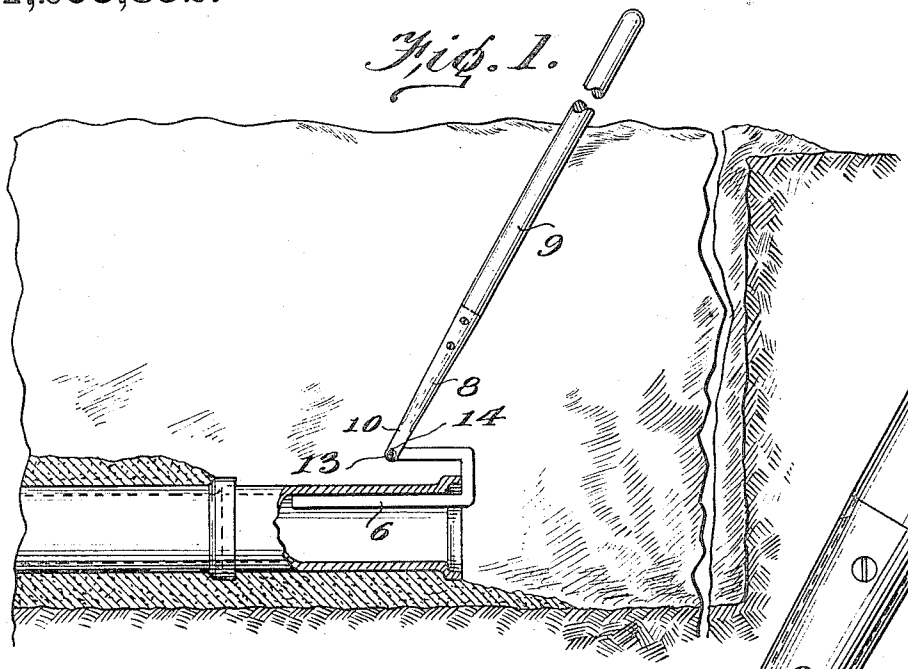


Fig. 3.

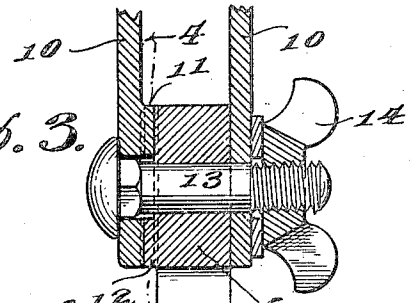


Fig. 4.

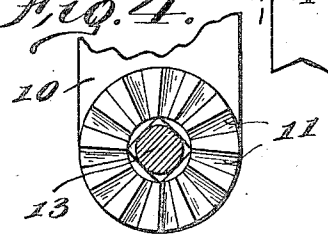
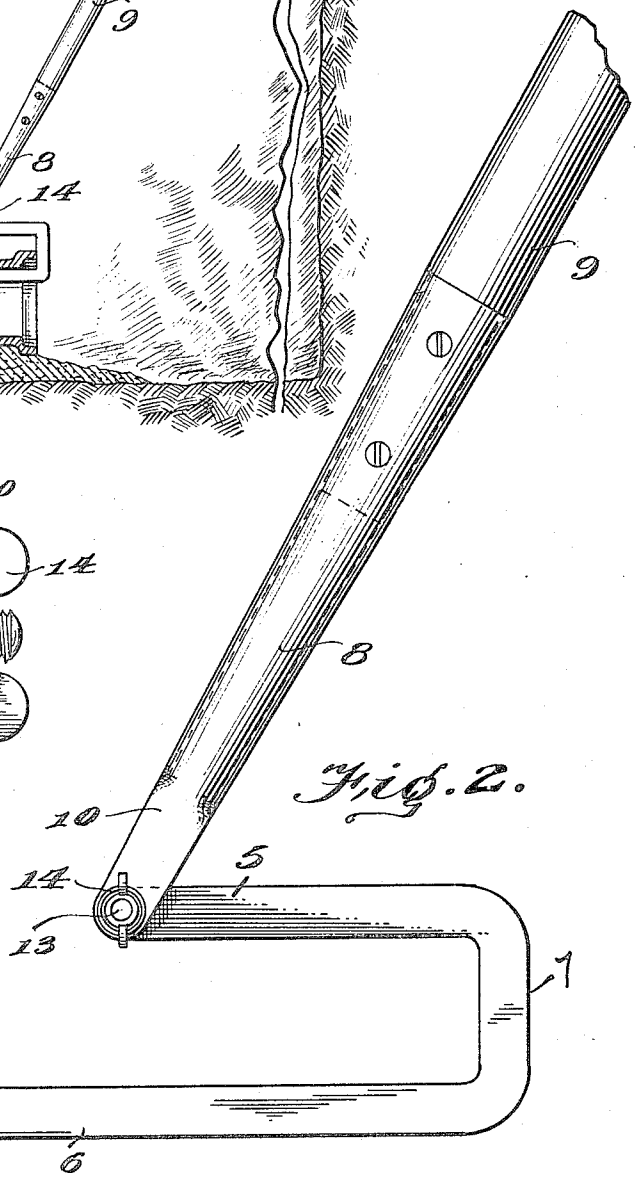


Fig. 2.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

SAMUEL J. BUEHLER, OF PORT WASHINGTON, OHIO.

TILE-LAYER.

1,205,852. Specification of Letters Patent. Patented Nov. 21, 1916.

Application filed February 8, 1916. Serial No. 77,044.

To all whom it may concern:

Be it known that I, SAMUEL J. BUEHLER, a citizen of the United States, residing at Port Washington, in the county of Tuscarawas and State of Ohio, have invented new and useful Improvements in Tile-Layers, of which the following is a specification.

This invention contemplates the provision of a tool adapted for use in laying drain tile or conduits in ditches, and by means of which the user of the tool can stand on the bank of the ditch and lower the conduits therein, thus protecting the workman from wetting his feet and subjecting himself to resultant sickness when having to perform this work in the ditch.

The invention aims to provide a device of this character which is simple in construction, having associated therewith an adjustable handle to permit the different sections of the conduit to be conveniently arranged in their proper position in the ditch.

The nature and advantages of the invention will be better understood from the following description when considered in connection with the accompanying drawing, wherein like numerals of reference indicate similar parts in the several views and in which:—

Figure 1 is a view of the device showing the manner of using the same. Fig. 2 is a side elevation of the device. Fig. 3 is a sectional view showing the adjustable connection between the device and handle therefor. Fig. 4 is a sectional view taken on line 4—4 of Fig. 3.

Before proceeding with a detail description of the invention, I desire to have it understood that the device herein shown and described is merely illustrative of one embodiment of the invention, and that I do not limit myself to this construction and arrangement, as various changes may be resorted to when desired as fall within the scope of what is claimed. In this specific instance however the tool consists of a substantially U-shaped bar which may be constructed from any suitable material, preferably iron and of any desired cross sectional configuration. The tool is preferably constructed from flat iron and by reason of its formation comprises the parallel limbs 5 and 6 respectively, the latter being of a considerably greater length than the limb 5 and connected to the latter by means of the end piece 7.

Pivotally mounted upon the short limb 5 is a socket member 8, adapted to receive a handle 9 of any suitable length, the socket member having a relatively broad lower end portion 10, adapted to be arranged at one side of the limb 5, the latter and the end portion 10 of the socket member having cooperating clutch faces 11 and 12 respectively for holding the handle in different adjusted positions. The pivot bolt 13 has adjustably mounted thereon a thumb nut 14 which coöperates with the clutch faces for holding the handle in fixed relation with the member 5 subsequent to its adjustment.

As hereinabove stated the tool is designed to permit the user to stand upon the bank of the ditch while laying drain conduits or the like in the ditch, and in use a conduit section is arranged upon the longer limb 6 of the tool, and the latter subsequently lowered into the ditch. The tool can then be readily and quickly withdrawn from the conduit for the laying of another section, and so on until the required number of conduits have been properly positioned in the ditch. By reason of the adjustable connection between the handle and the shorter limb 5, the said handle can be arranged at different inclinations with respect to the tool to permit certain sections of the conduit to be conveniently arranged in proper position in the ditch. It might further be stated that the relative dimensions of the various parts are of minor importance and can be varied if desired.

What is claimed is:—

A tool of the class described comprising a substantially U-shaped member having a relatively long limb and a relatively short limb, a handle having a bifurcated end portion between the separated portions of which the terminal of said short limb is received, said terminal and separated portions

having alined openings, a bolt passed through said openings to pivotally support the U-shaped member upon the handle, and a nut mounted upon the bolt and adapted to hold the handle fixed relatively to the U-shaped member in different adjusted positions.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL J. BUEHLER.

Witnesses:
HENRY SCHUG,
HENRY STOFER.