

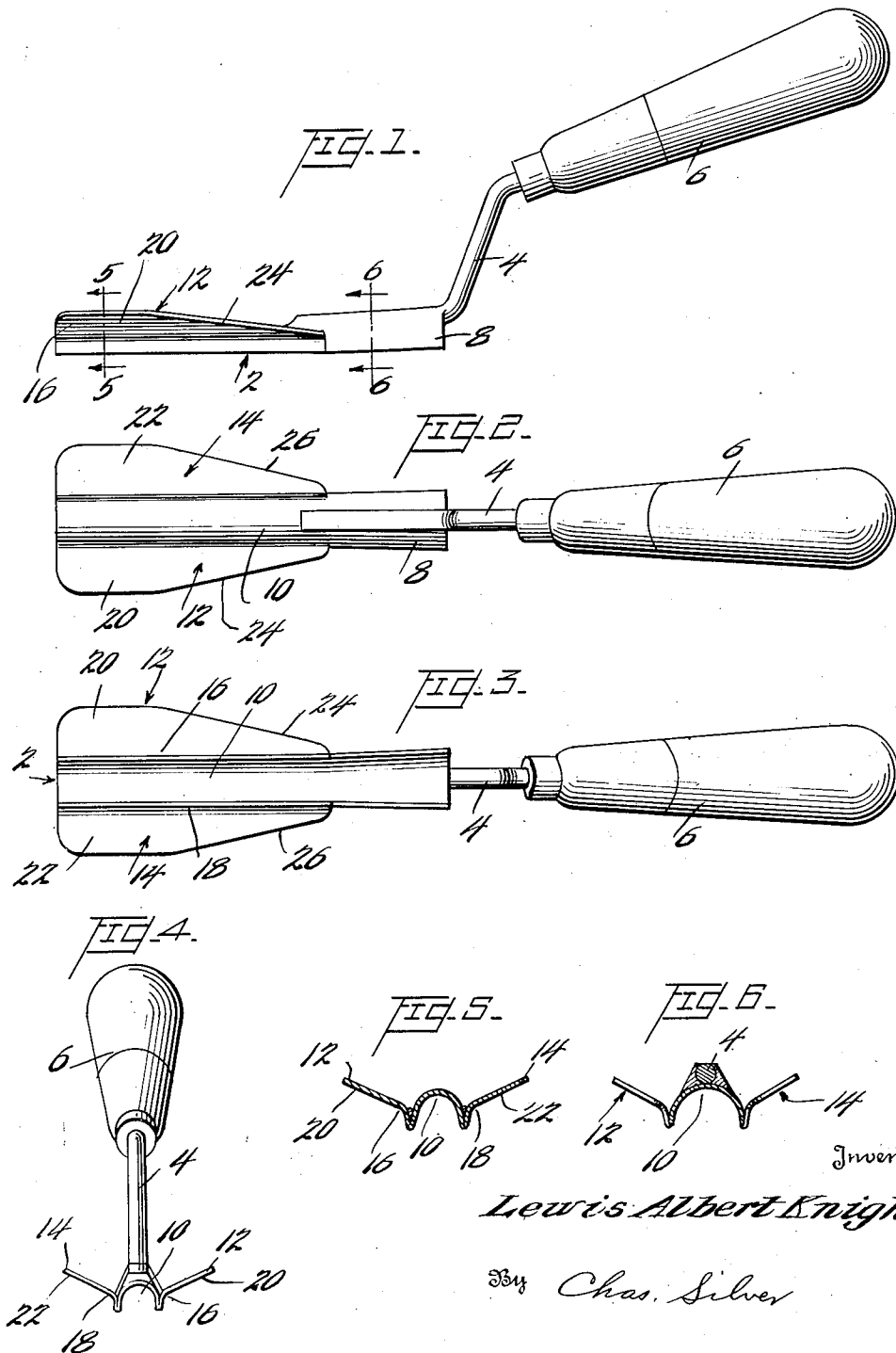
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2,539,629

TOOL FOR DRESSING CEMENT SURFACES

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2,539,629

TOOL FOR DRESSING CEMENT SURFACES

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4 Claims. (Cl. 72—138)

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This invention relates to tools for dressing cement surfaces and has particular reference to devices of this character for dressing and smoothing artificial stone wall facings.

In my U. S. Patents Nos. 2,095,641 and 2,095,642 and in my Reissue Patent No. 20,985, there are described the methods for making artificial stone facings from cementitious material in plastic form and the formation of furrows or grooves in the outer plastic cementitious material, in simulation of mortar joints on the surfaces of stone structures.

Among the objects of this invention is the provision of a dressing tool for specific use at the simulated mortar joints of the artificial stone walls facings so that the desired dressing and smoothing of these simulated mortar joints may be performed with greater ease, facility and efficiency than that accomplished by the tools heretofore used for this and similar purposes.

A further object of this invention is to provide a dressing tool of such character, whereby the appearance of the simulated mortar joints of the artificial stone wall facings may be enhanced, thus yielding a more valuable job of construction.

Other, further and more specific objects of this invention will become readily apparent to persons skilled in the art from a consideration of the following description when taken in conjunction with the accompanying drawing wherein:

Fig. 1 is a side elevation of a specific embodiment of my invention.

Fig. 2 is a top plan view of the device shown in Fig. 1.

Fig. 3 is a bottom plan view of the device shown in Fig. 1.

Fig. 4 is a front end elevation of the device shown in Fig. 1.

Fig. 5 is a section along line 5—5 of Fig. 1.

Fig. 6 is a section along line 6—6 of Fig. 1.

My new device comprises the head 2 connected by its shank 4 to the handle 6. The shank 4 is preferably soldered to the rear 8 of the head 2.

The tool proper comprises the trisulcated head having the middle groove portion 10 and the grooved wings 12 and 14 connected to and extending from the middle portion 10. These wings 12 and 14 have curved surfaces 16 and 18, respectively, contiguous to the middle portion 10 and the remaining tangential surfaces 20 and 22, respectively, are substantially flat. The wings 12 and 14 have the raked edges 24

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and 26, respectively, extending toward the rear of the head.

I prefer to make the middle groove portion 10 substantially semi-cylindric thereby providing a wall of substantially semi-circular cross section. The surfaces 16 and 18 of the wings are curved to an extent so that the flat tangential surfaces 20 and 22 are flared away from the plane passing through the outer edges of the middle groove portion.

With a dressing tool having the foregoing novel construction and features, an operator can dress and finish the tops, bottoms and sides of grooves, furrows and simulated mortar joints on the artificial stone facings of cementitious material very readily and efficiently and can also do this work in difficultly accessible and restricted locations where prior dressing tools could not heretofore be used.

The present invention is not limited to the specific details set forth in the foregoing examples which should be construed as illustrative and not by way of limitation and, in view of the numerous modifications which may be effected therein without departing from the spirit and scope of this invention, it is desired that only such limitations be imposed as are indicated in the appended claims.

I claim as my invention:

1. A tool for dressing cement surfaces, said tool comprising a sulcated head with a smoothing face having an elongated middle groove portion and grooved wings connected to and extending from the edges of the middle groove portion, each of said wings having the surface contiguous to said middle portion concavely curved and the remaining surface tangential to the concavely curved portion and substantially flat, said wings being raked with the side edge of each wing sloping inwardly toward the rear of said head.

2. The tool claimed in claim 1, wherein the middle groove portion is substantially semi-cylindric and the substantially flat portions of the wing are flared away from the plane through the outer edges of said middle groove portion.

3. A tool for dressing cement surfaces, said tool comprising a trisulcated head with a smoothing face having an elongated middle groove portion and grooved wings connected to and extending from the edges of the middle groove portion, each of said wings having the surface contiguous to said middle portion concavely curved and the remaining surface tangential to the concavely curved portion and

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substantially flat, said wings being raked with the side edge of each wing sloping inwardly toward the rear of said head.

4. The tool claimed in claim 3, wherein the middle groove portion is substantially semi-cylindric and the substantially flat portions of the wings are flared away from the plane through the outer edges of said middle groove portion.

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Number
1,142,022
1,327,151

Name
Chappell -----
Frazier -----

Date
June 8, 1915
Jan. 6, 1920

UNITED STATES PATENTS**FOREIGN PATENTS****10**

Number
457,061

Country
Great Britain -----

Date
Nov. 20, 1936

4**REFERENCES CITED**

The following references are of record in the file of this patent: