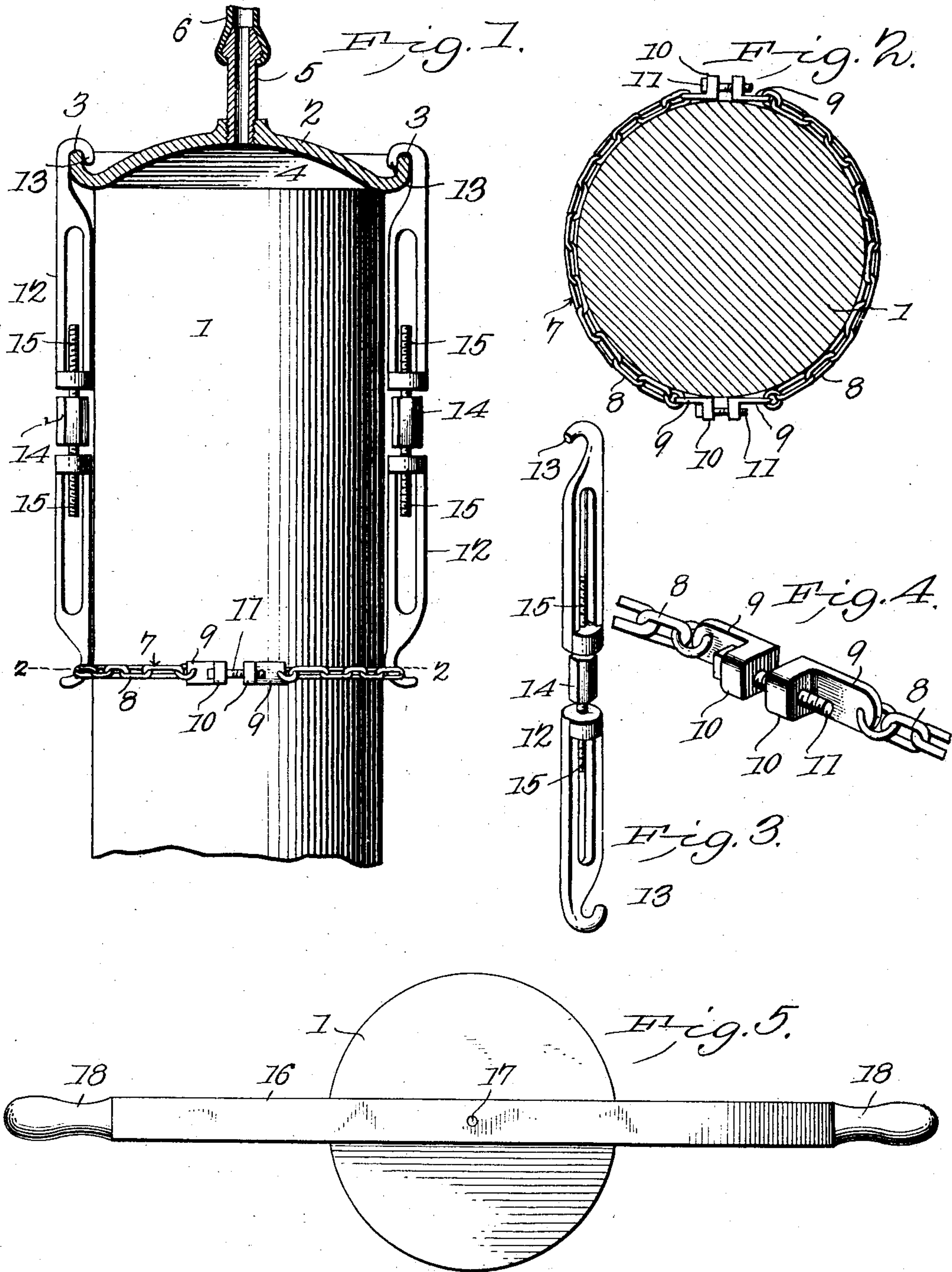


No. 765,312.

PATENTED JULY 19, 1904.

J. S. GEORGE.
INJECTING APPARATUS.
APPLICATION FILED NOV. 6, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN SIMPSON GEORGE, OF FERNDAL, WASHINGTON.

INJECTING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 765,312, dated July 19, 1904.

Application filed November 6, 1903. Serial No. 180,057. (No model.)

To all whom it may concern:

Be it known that I, JOHN SIMPSON GEORGE, a citizen of the United States, residing at Ferndale, in the county of Whatcom and State of Washington, have invented a new and useful Injecting Apparatus, of which the following is a specification.

At the present day it is the practice, as disclosed in Letters Patent No. 533,587, granted to me February 5, 1895, to impregnate timber with an antiseptic or disinfecting liquid compound for preserving the timber from destruction by insects or the like.

This invention has for its object to produce a simple and efficient apparatus which may be readily applied to the timber for injecting the preserving compound therein.

To these ends the invention comprises the novel details of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side sectional elevation showing my improved apparatus applied to a pile. Fig. 2 is a section on the line 2-2 of Fig. 1 viewed in the direction of the arrow. Figs. 3 and 4 are detail perspective views. Fig. 5 is a view of the cutter-bar or trimmer.

Referring to the drawings, 1 designates a post or pile upon the upper end of which is seated a dome-shaped cap or member 2, having a peripheral flange 3. This member, which arches or convexes slightly upward from the top of the post, forms in conjunction with the latter a chamber 4, with which communicates the lower end of a short vertical pipe or nipple 5, disposed at the center of and secured in any suitable manner to the cap, this nipple being designed for engagement by a hose or other duct 6, through which the compound is forced by a suitable pump, (not shown,) as described in my prior patent.

Surrounding the post 1 at a point beneath and suitably remote from the cap 2 is a suitable post-engaging member 7 in the form, preferably, of a tie-band or chain composed of a pair of sections 8, carrying at their meeting ends coupling-heads 9, having flanges 10, through which extend adjustable clamping-bolts 11, operable for causing the band to tightly embrace the post.

Extending between the cap 2 and band 7 is a plurality of tension elements or devices 12, each composed of a pair of sections disposed longitudinally end to end and provided at their outer ends with hooks 13, designed to engage the flange 3 and band 7, respectively, the sections of each device being connected by a turn-bolt 14, disposed between the meeting ends of the sections and having oppositely-extended reversely-threaded portions or screws 15, engaging suitable internally-threaded openings extending centrally and longitudinally of the sections. It is apparent that in practice when the parts are in operative position, as in Fig. 1, the turn-bolts may be manipulated for causing the tension devices to draw the cap 2 firmly down upon the top of the post, whereby the liquid compound entering the chamber 4 under pressure will be prevented from escaping at the edges of the cap.

In order to properly prepare the end of the post for the cap to fit smoothly and evenly thereon, I have shown in Fig. 5 a trimming device in the form of a horizontal bar 16, provided with a central post-engaging bolt 17 and with handle portions 18, the edges of the bar being suitably sharpened. In practice the bar is secured, by means of bolt 17, to the upper end of the post, which latter is properly trimmed and rendered smooth and even by rotating the bar a few times.

From the foregoing it will be seen that I produce a simple apparatus which may be readily applied to or removed from the posts, and one which in practice is admirably adapted for the attainment of the ends in view. It is to be understood, however, that I do not limit myself to the precise details herein set forth, inasmuch as minor changes may be made therein without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

1. In a device of the class described, the combination with a cap adapted to be seated on the end of a post and having a peripheral flange, of an engaging member encircling the post beneath the cap, and tension devices disposed between the cap and member, said devices each comprising a pair of sections hav-

ing hooks for engaging the member and cap-flange, respectively, and means for adjustably connecting the sections.

2. In a device of the class described, the combination with a cap adapted to be seated on the end of a post and having a peripheral flange, of an engaging member encircling the post beneath the cap, and tension devices disposed between the cap and member, said devices each comprising a pair of sections having hooks for engaging the member and cap-flange, respectively, and a turn-bolt adjustably connecting the sections.

3. In a device of the class described, the combination with a cap adapted to be seated upon

the end of a post and having a peripheral flange, of an engaging member encircling the post beneath the flange, said member comprising a plurality of sections provided at their ends with coupling-heads, and adjusting-bolts connecting said heads, and tension devices disposed between the cap and member and provided with hooks for engaging said parts.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN SIMPSON GEORGE.

Witnesses:

A. GEORGE,

PAUL HOVERSON.