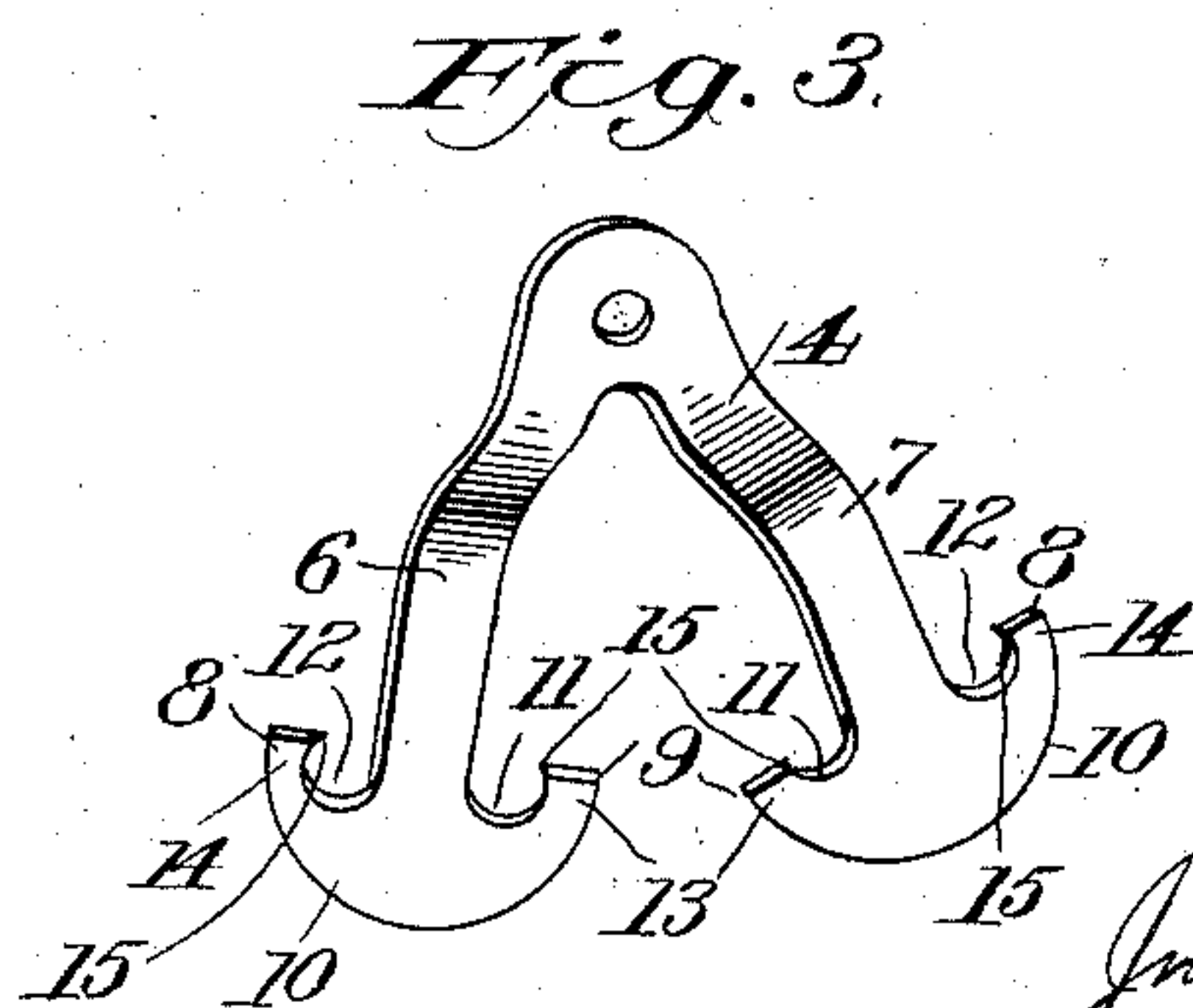
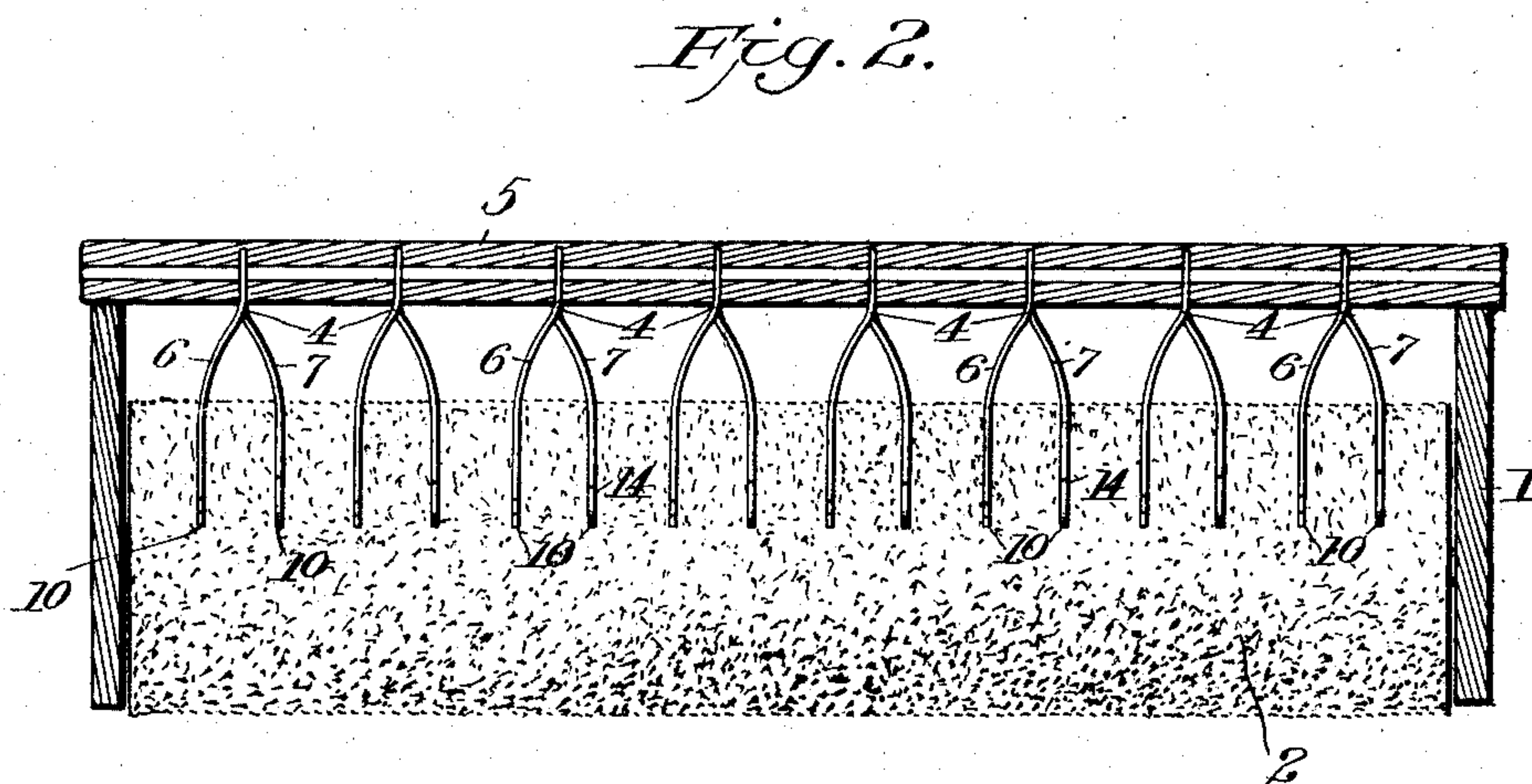
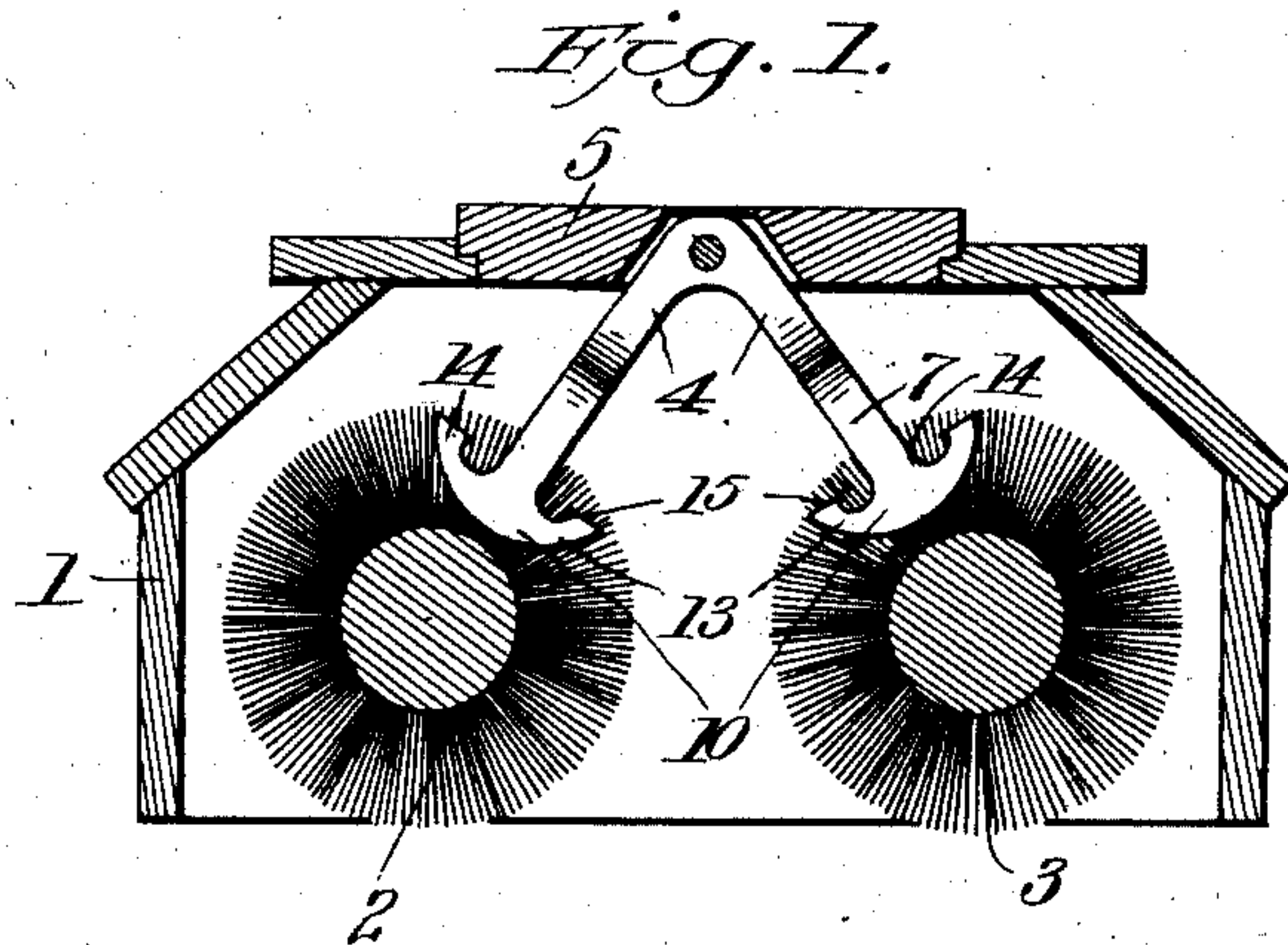


J. T. GRZYBOWSKI.
CARPET SWEEPER.
APPLICATION FILED OCT. 2, 1907.

905,695.

Patented Dec. 1, 1908.



Witnesses
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UNITED STATES PATENT OFFICE.

JULIAN T. GRZYBOWSKI, OF GRAND RAPIDS, MICHIGAN.

CARPET-SWEEPER.

No. 905,695.

Specification of Letters Patent.

Patented Dec. 1, 1908.

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To all whom it may concern:

Be it known that I, JULIAN T. GRZYBOWSKI, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Carpet-Sweepers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in carpet sweepers.

It has for its object to provide simple and inexpensive devices for cleaning the brushes in the sweeper.

The invention consists in the features of construction and combinations of parts hereinafter described and specified in the claims.

In the accompanying drawing, illustrating the preferred embodiment of my invention: Figure 1 is a cross section of a carpet sweeper showing one of the cleaning devices in place. Fig. 2 is a broken longitudinal vertical section with one of the brushes removed, showing a series of said cleaning devices in edge view, and Fig. 3 is a detailed perspective view of one of said cleaning devices.

Referring more particularly to the drawings, 1 designates the casing of the carpet sweeper, in which brushes 2 and 3 are mounted in the usual manner. The brush cleaning devices 4 are secured at intervals of about one half an inch to a removable strip 5 forming the middle portion of the top of the casing.

Each of the cleaning devices comprises a forked piece of sheet metal or other suitable material, each of the prongs 6 and 7 of which is provided with extensions 8 and 9. The lower edge of each of said extensions is rounded or convex, as at 10, while their upper edges are concave as shown at 11 and 12, thereby forming oppositely extending hooks 13 and 14 on the end of each prong of each cleaning device. The ends of said hooks are barbed or bearded as at 15 very much the same as a fish hook, to prevent the accumulated refuse being pulled off when the motion of the brushes is reversed.

The two prongs of each cleaning device are preferably bent laterally in opposite directions as shown, so that the inner hooks will not interfere with each other. When in position as shown in Fig. 1, the ends of the prongs and the hooks carried thereby are

buried in the brushes with the points of said hooks extending approximately to the surface thereof. It will be noted that said hooks will operate to collect and hold all thread, long hair and other impediments to the perfect working of the brushes either way said brushes are revolved. The strip may be taken off with the cleaning devices whenever it is desired to remove the extraneous matter lodged upon them. It should be understood, of course, that the series of cleaning devices extends substantially the entire lengths of the brushes.

I claim:

1. In a carpet sweeper, the combination, with a brush, of a series of cleaning devices having their ends buried in said brush, said ends provided with oppositely extending hooks formed thereon.

2. In a carpet sweeper, the combination, with a casing comprising a main portion and a removable section, and a brush mounted on the main portion, of a series of cleaning devices having their ends buried in said brush, said cleaning devices being secured to the removable section whereby they may be removed from the brush for cleaning.

3. In a carpet sweeper, the combination, with a pair of brushes, of a series of forked cleaning devices having the ends of their opposite forks buried in separate brushes.

4. In a carpet sweeper, the combination, with a pair of brushes, of a series of forked cleaning devices having the ends of their opposite forks buried in separate brushes, said ends provided with oppositely extending hooks formed thereon.

5. In a carpet sweeper, the combination, with a pair of brushes and a casing therefor, of a series of forked cleaning devices having the ends of their opposite forks buried in separate brushes, said cleaning devices being secured to a removable section of said casing.

6. In a carpet sweeper, the combination, with a pair of brushes, of a series of forked cleaning devices having the ends of their opposite forks buried in separate brushes, the forks of each cleaning device being bent laterally in opposite directions for the purpose specified.

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

JULIAN T. GRZYBOWSKI.

Witnesses:

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