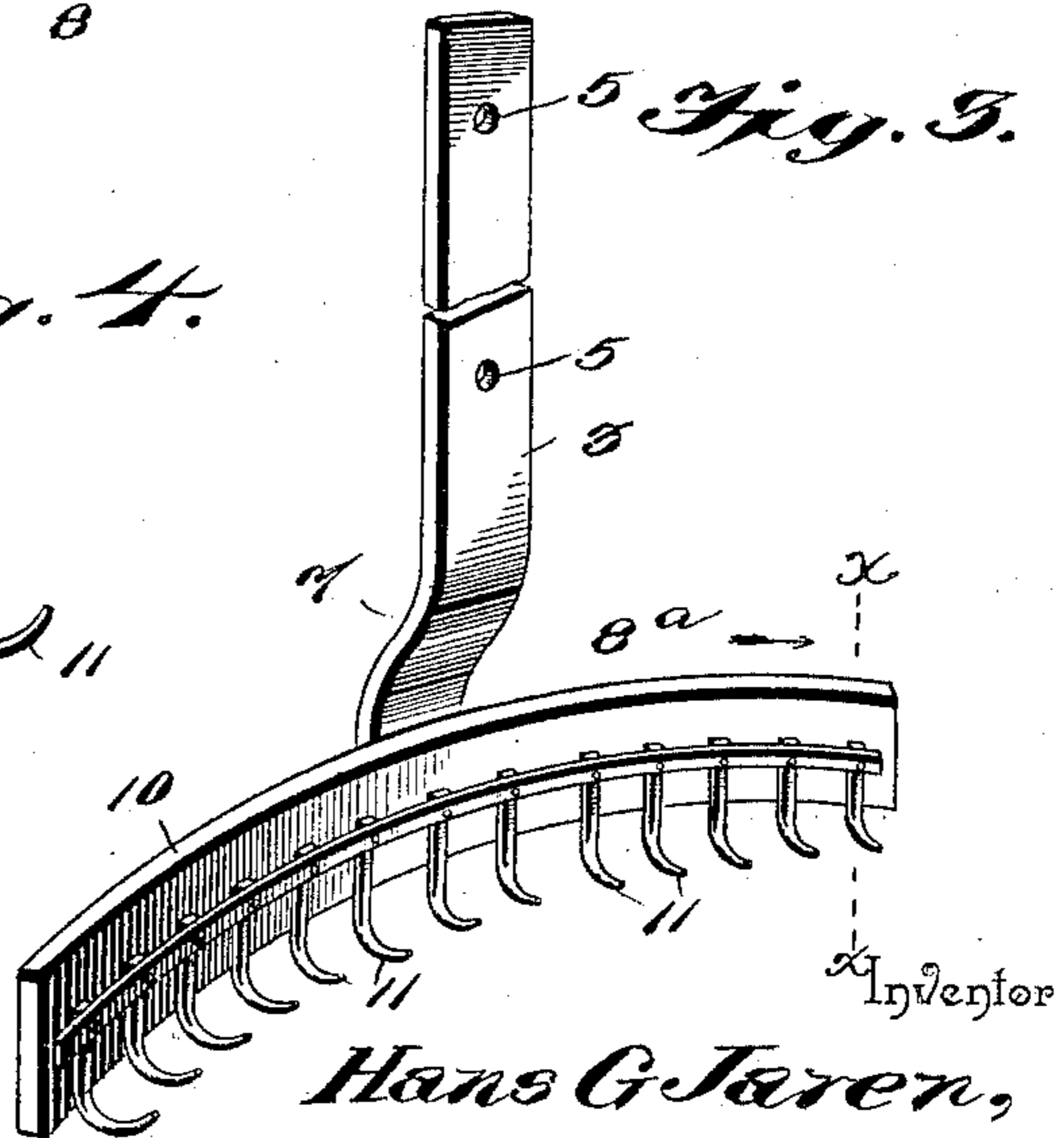
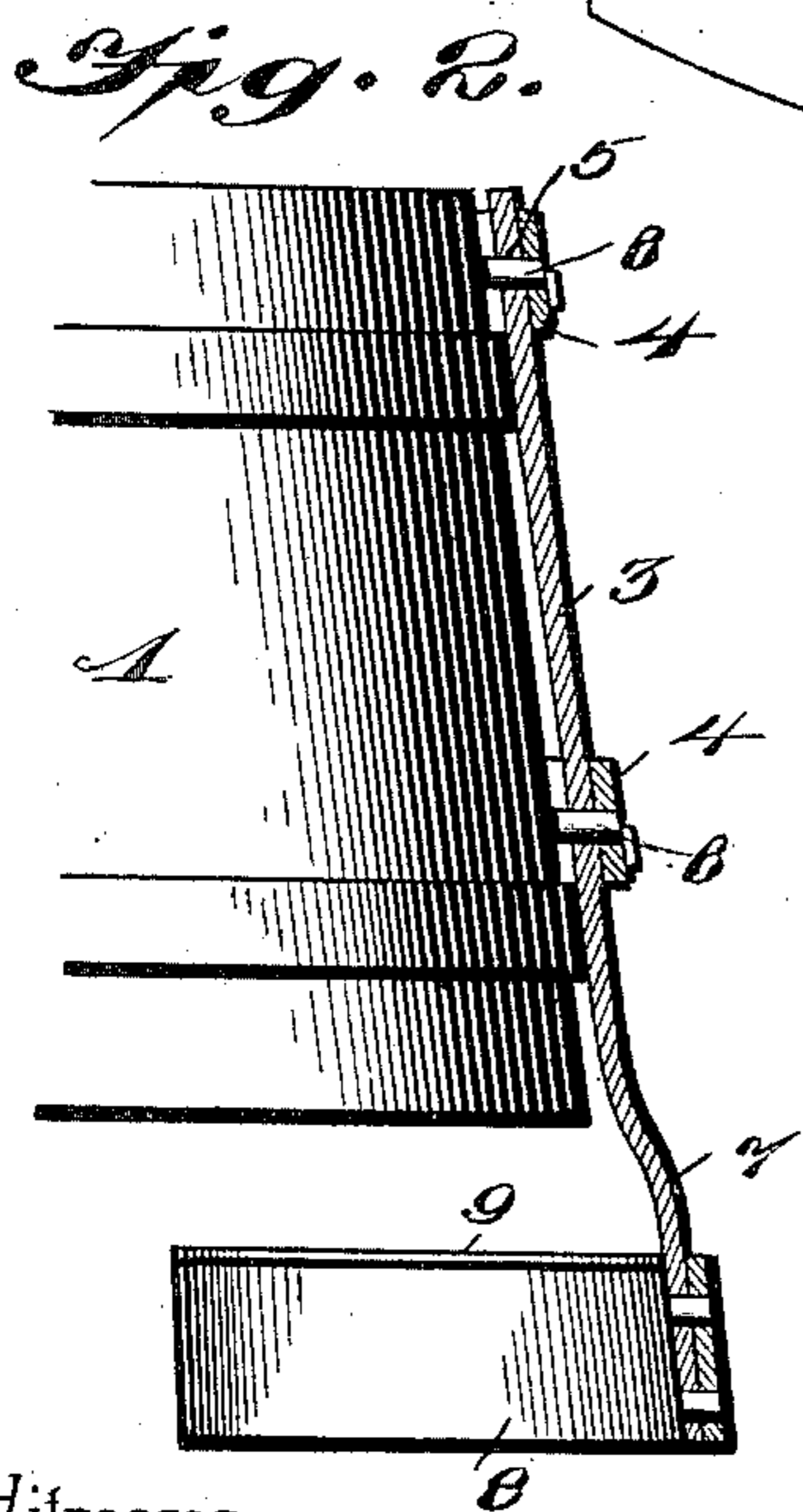
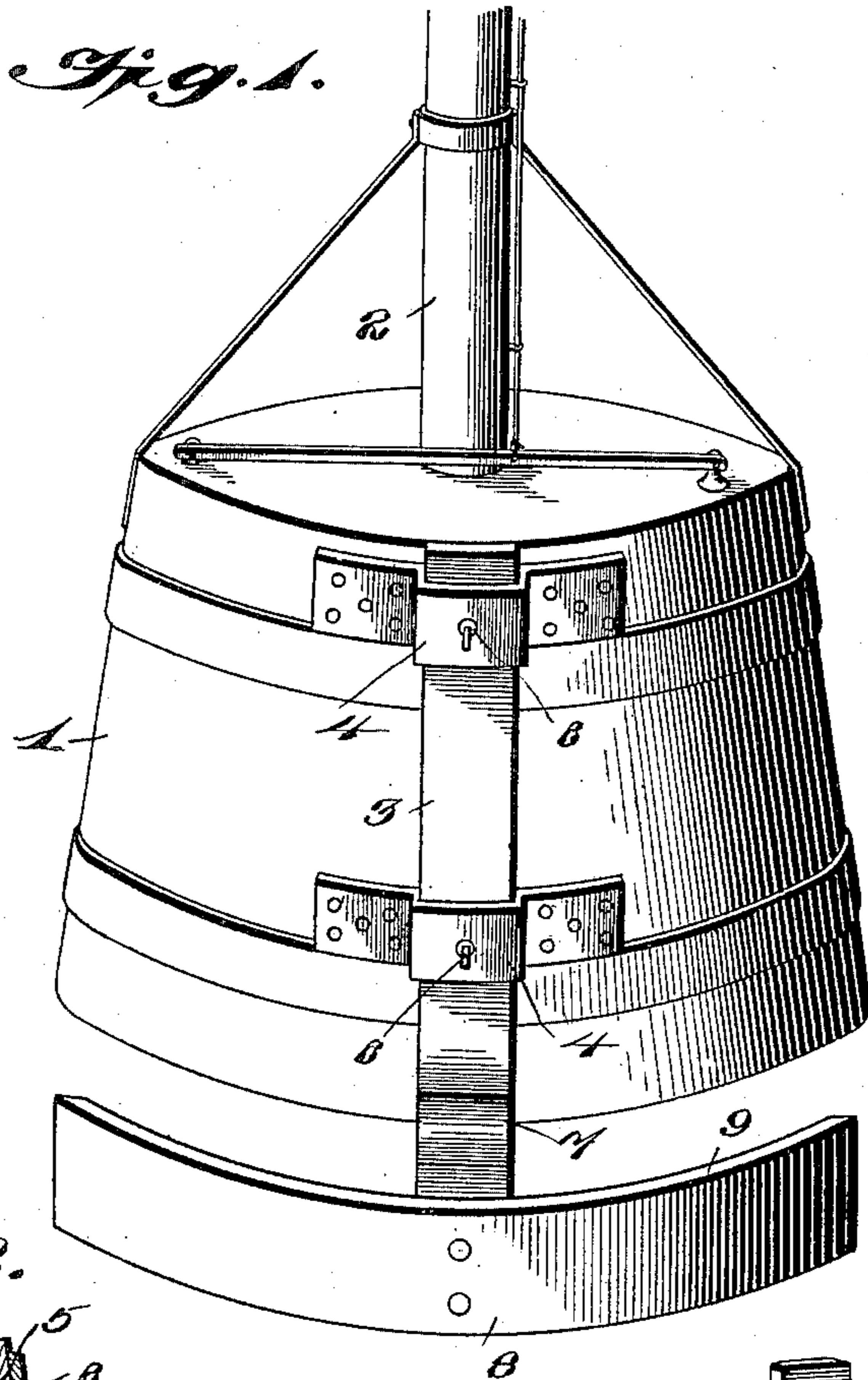


(No Model)

H. G. JAREN.
CISTERN CLEANER.

No. 584,554.

Patented June 15, 1897.



Witnesses
Chas. J. Koeth.
J. H. Digger.

By his Attorneys,

Chas. J. Koeth.

UNITED STATES PATENT OFFICE.

HANS GUSTAVE JAREN, OF DAVENPORT, IOWA.

CISTERN-CLEANER.

SPECIFICATION forming part of Letters Patent No. 584,554, dated June 15, 1897.

Application filed July 30, 1896. Serial No. 601,117. (No model.)

To all whom it may concern:

Be it known that I, HANS GUSTAVE JAREN, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented a new and useful Cistern-Cleaner, of which the following is a specification.

Well and cistern cleaners as generally constructed will not remove large or bulky matter, such as bricks, buckets, pieces of timber, and other foreign matter of comparatively large proportions; and the purpose of this invention is to provide an attachment which can be applied to the body of a well-cleaner to co-operate therewith to clean and purify the well, cistern, reservoir, &c., when it may be required to cleanse and purge the same of all matter which may tend to foul the water and otherwise render it unfit for drinking or domestic purposes.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a well-cleaner having the invention applied thereto. Fig. 2 is a side elevation, partly in section. Fig. 3 is a perspective view of a supplemental or auxiliary cleaner especially designed for removing bulky matter from the well, cistern, or fluid-reservoir to be cleansed and purified. Fig. 4 is a cross-section on the line X X of Fig. 3, looking in the direction of the arrow.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference-characters.

The numeral 1 designates the main cleaner, which may be of any desired form or pattern and which is provided with a rod or pole 2 for lowering it into the well or part to be cleaned. The auxiliary or supplemental cleaner, which may be of any desired form according to the

nature of the work for which it is designed, is removably fitted to the body of the main cleaner by means of a stem 3, which is slipped into keepers 4, secured to a side of the body of the main cleaner. This stem 3 is flattened so as to lie close against the side of the cleaner 1 and is provided with openings 5 to receive pins 6 or similar fastenings employed for positively connecting the auxiliary cleaner with the main cleaner. An offset 7 is formed in the stem adjacent to the cleaner 8, so as to hold the latter in proper position to attain the best possible results.

The auxiliary cleaner 8 is a blade of required width and length and is curved to approximate the outline of the bottom of the main cleaner and is provided with an edge 9, so as to scrape the sides of the well, cistern, reservoir, &c.

The cleaner 8^a comprises a bar 10 and a series of hooks 11, disposed at intervals in the length of the bar and secured to the latter in any convenient and substantial way. The purpose of this auxiliary cleaner is to remove bulky matter from the well, the hooks 11 catching into the same and removing it when elevating or drawing the cleaner from the well.

The form of cleaner just described admits of matter—such as bricks, buckets, floating pieces of timber, and boards—being removed from the well when cleaning and purging the latter of foreign substances.

The cleaner 8 is especially designed for scraping the sides of a well, cistern, reservoir, &c., whereas the cleaner 8^a is intended for removing matter and substances of too-great dimensions to be taken up by the main or ordinary cleaner, the hooks thereof engaging with such matter and removing it when withdrawing the cleaner from the well. These supplemental or auxiliary cleaners are interchangeable, being removably attached to the body of the main cleaner by the keepers 4 and fastenings 6 in the manner set forth.

Having thus described the invention, what is claimed as new is—

1. The combination with a well and cistern cleaner, of an auxiliary cleaner comprising a stem having an offset so as to throw the cleaner beyond the side of the main cleaner, and means for detachably connecting the auxil-

iary cleaner to the outer side of the main cleaner, substantially as and for the purpose set forth.

2. The combination with a well and cistern
5 cleaner, of keepers secured to a side thereof, and an auxiliary cleaner having a stem to be inserted into the said keepers and removably connected therewith, substantially as and for the purpose set forth.

10 3. The combination with a well and cistern cleaner, of an auxiliary cleaner to be applied

thereto comprising a bar and a series of hooks secured to the bar at intervals in its length, substantially as set forth.

In testimony that I claim the foregoing as 15 my own I have hereto affixed my signature in the presence of two witnesses.

HANS GUSTAVE JAREN.

Witnesses:

M. D. FAGAN,
A. W. FRENCH.