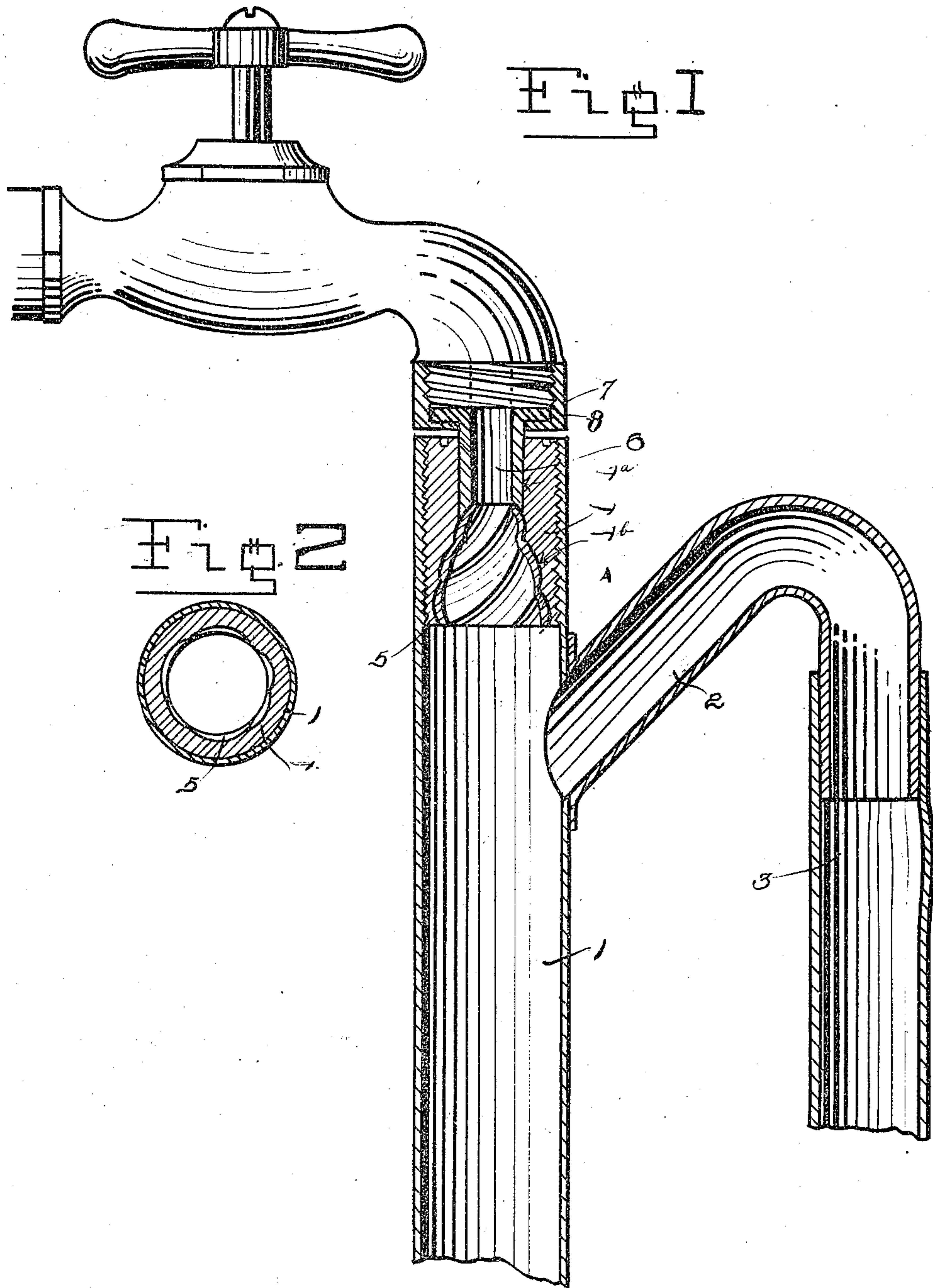


B. W. JUNK.
 APPARATUS FOR VACUUM CLEANERS.
 APPLICATION FILED OCT. 15, 1910.

995,969.

Patented June 20, 1911.



Witnesses
 Howard F. Costello
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UNITED STATES PATENT OFFICE.

BEECHER W. JUNK, OF TOLEDO, OHIO.

APPARATUS FOR VACUUM-CLEANERS.

995,969.

Specification of Letters Patent. Patented June 20, 1911.

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To all whom it may concern:

Be it known that I, BEECHER W. JUNK, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Apparatus for Vacuum-Cleaners, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a device for causing an air suction through a cleaning apparatus, and the main object of the same is to produce a device which can be attached to a water spigot so as to use the water to cause
15 a suction.

This invention is illustrated in the accompanying drawing wherein:

Figure 1 is a longitudinal sectional view of the attachment and shows same applied
20 to a water spigot. Fig. 2 is a transverse sectional view along the line A—A in Fig. 1, looking down.

In the accompanying drawing the numeral 1 indicates a tube which is preferably formed
25 of metal and has leading therefrom a second angular tube to which a flexible pipe 3 is attached. The upper end of the tube is internally threaded and has fitted therein a core 4 which is provided with a central
30 opening 4^a the lower portion thereof being enlarged and provided with spiral grooves as shown by 4^b. A spiral sleeve 5 which is provided with a tubular extension 6 is threaded within the portion 4^b of the central
35 opening of the core and has its upper end extending through the portion 4^a. A threaded collar 7 is placed upon the end of the portion 6 and is rotatably held thereon by means of a flange 8 formed upon the outer
40 end of the tube 6. This collar is similar to the collars used on a hose to attach the same to a spigot.

The operation of the device is as follows: The collar 7 is screwed upon the end of a
45 spigot and a suction cleaner is attached to the end of the flexible hose 3 and the water turned on. When the water passes through

the tube 6 it strikes the spiral sleeve 7 which causes the water to have a whirling motion as it passes through the pipe 1. This causes
50 an air suction through the pipe tube and hose 3 which operates any desired type of vacuum cleaner. It should be noted that the pipe 2 is at an upward angle so as to prevent any danger of the water getting into
55 the same.

If desired the hose may be used for cleaning without attaching the same to a cleaning machine by placing the end of the hose against the article to be cleaned, thus caus-
60 ing any dust or dirt to be sucked out of the article and through the hose.

What I claim is:—

1. A device of the character described comprising a main pipe, a supplemental pipe
65 leading therefrom, a core threaded into the upper end of said pipe and provided with a central opening, a spiral sleeve fitted within said opening and projecting beyond the other end of said core, and a threaded sleeve
70 for securing said device to a water spigot.

2. A device of the character described comprising a main pipe, a supplemental pipe, a core held within said main pipe, a spiral sleeve held within said core, and means for
75 connecting said sleeve with a source of fluid supply.

3. A device of the character described comprising a main pipe, a supplemental pipe, a core removably held within said main pipe,
80 said core provided with a central opening terminating at its inner end in an enlarged spiral opening, a spiral sleeve fitting within said spiral opening and provided with a
85 tubular extension passing through said central opening, and a means secured to the outer end of said tubular extension for securing said device to a spigot.

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

BEECHER W. JUNK.

Witnesses:

F. E. MAGILL,
CHS. E. TRUMFFAVER.