

No. 844,030.

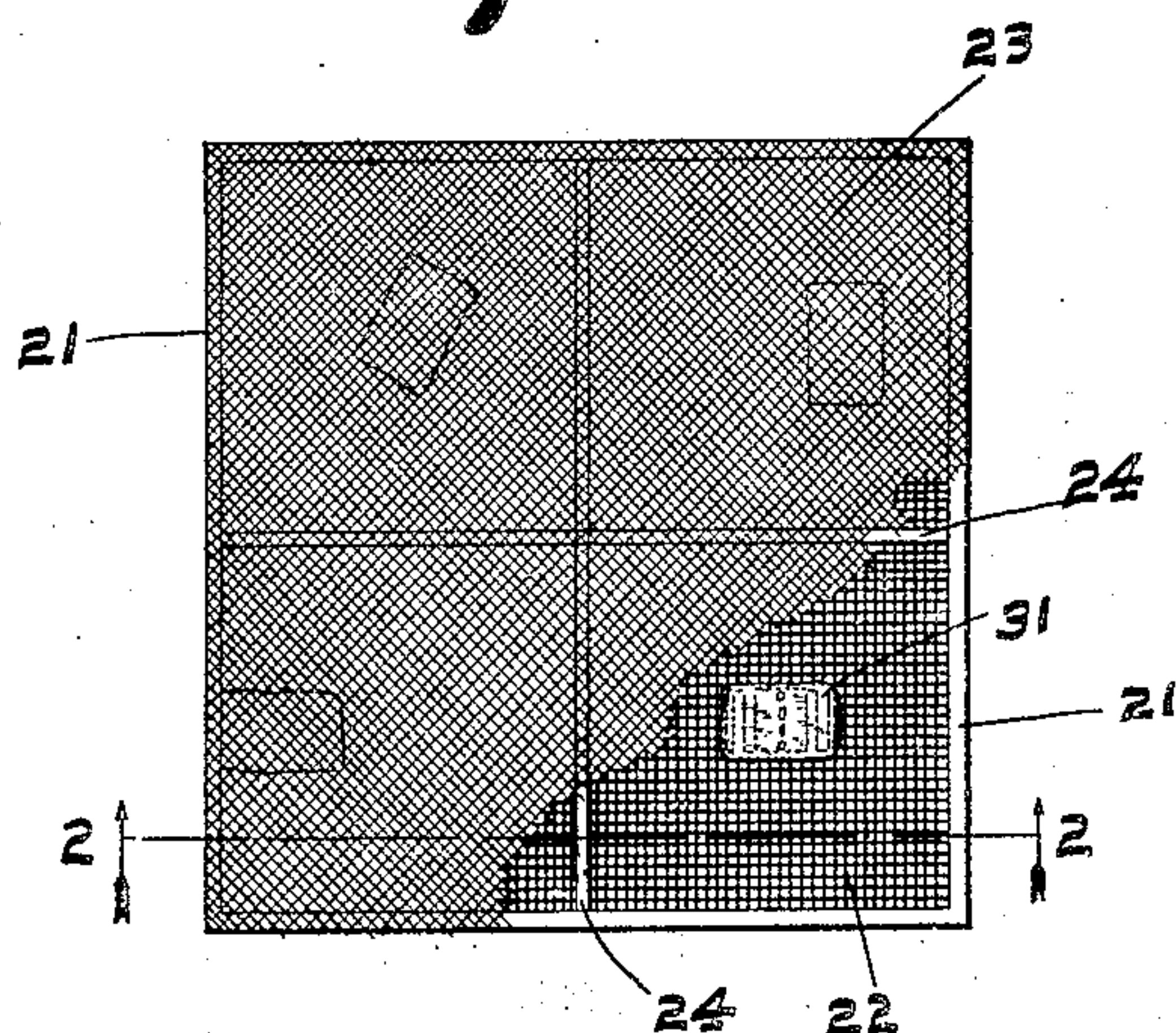
PATENTED FEB. 12, 1907.

D. W. MARMON.

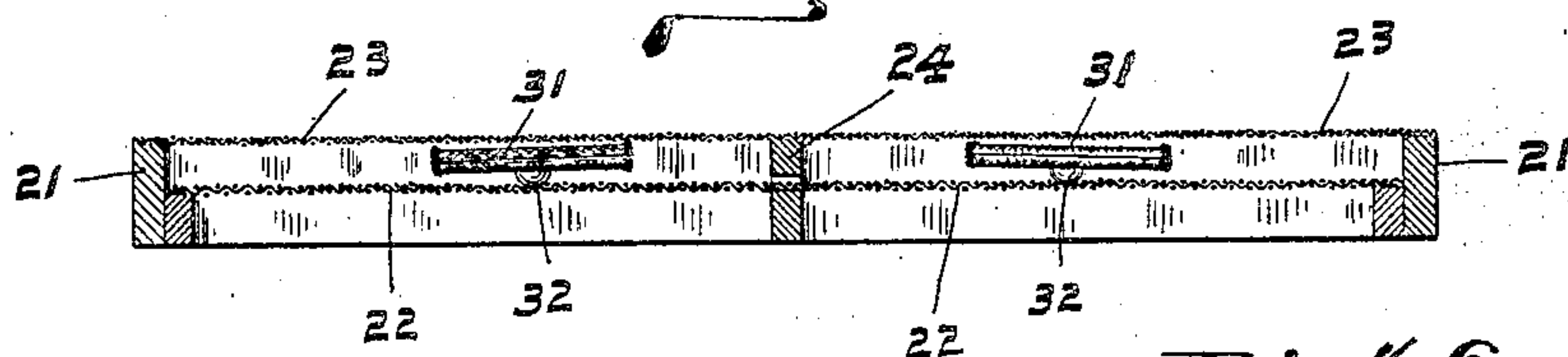
SIEVE CLEANER.

APPLICATION FILED NOV. 12, 1906.

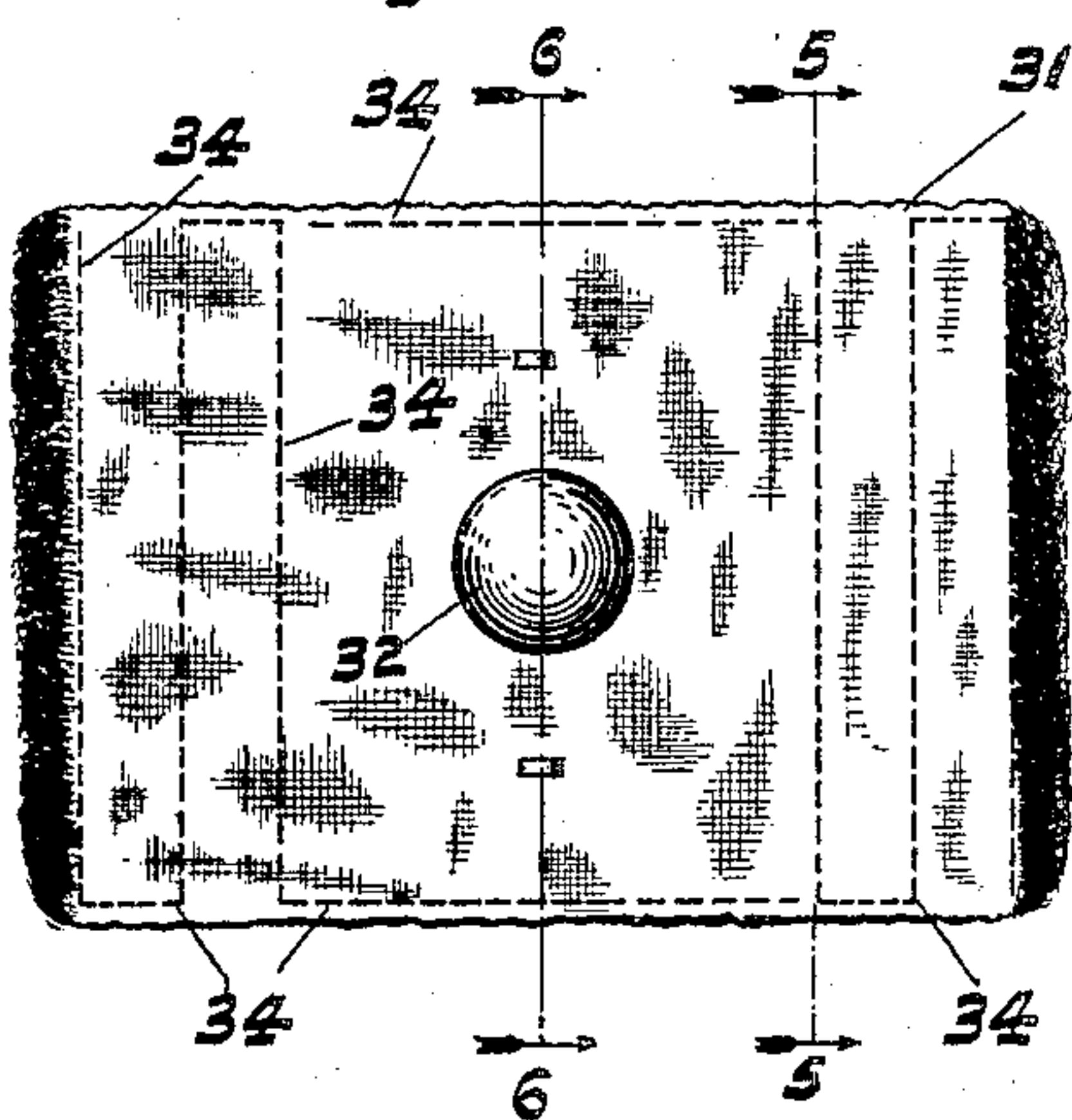
*Fig. 1.*



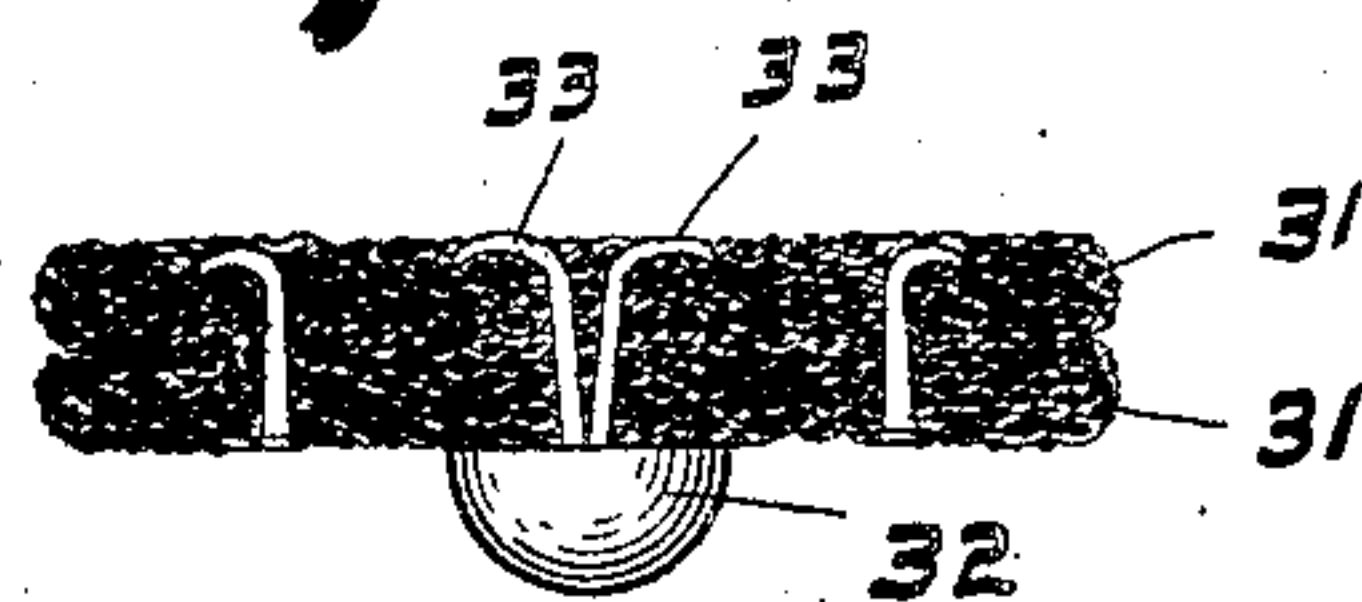
*Fig. 2.*



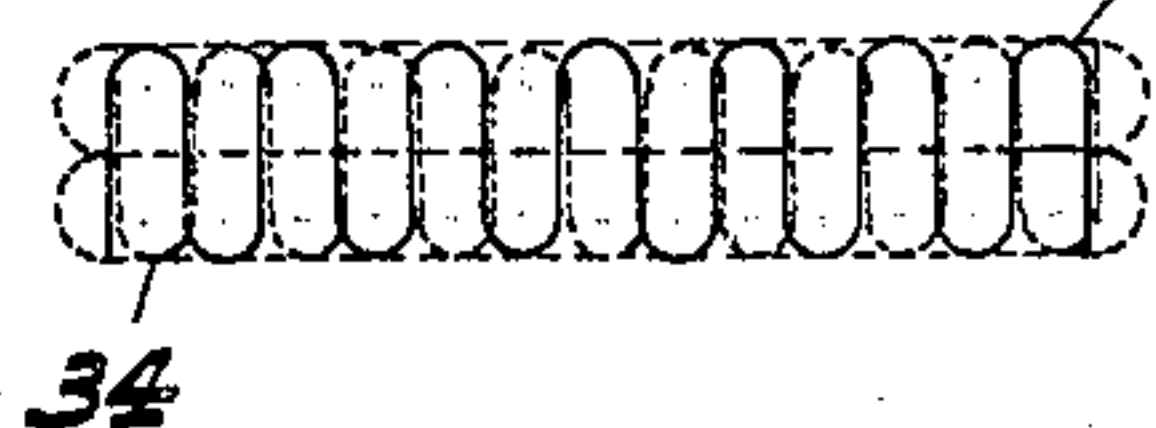
*Fig. 3.*



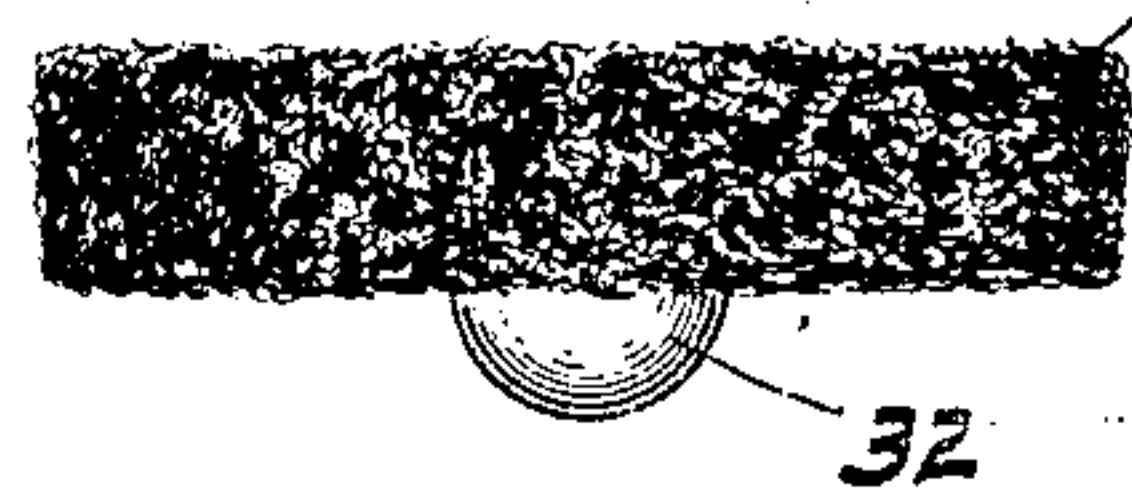
*Fig. 6.*



*Fig. 5.*



*Fig. 4.*



Witnesses  
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# UNITED STATES PATENT OFFICE.

DANIEL W. MARMON, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO NORDYKE & MARMON COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

## SIEVE-CLEANER.

No. 844,030.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed November 12, 1906. Serial No. 342,954.

*To all whom it may concern:*

Be it known that I, DANIEL W. MARMON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Sieve-Cleaners, of which the following is a specification.

This invention relates to that class of devices which are introduced into the sieves of flour-bolting machines for the purpose of keeping the sieve-cloth free from accumulations of the material being treated. I have discovered by experiment and practical test that a woven fabric performs this service in a superior manner. Such a fabric, however, in its ordinary state raveling out, so that the ends or marginal portions not only become too soft for effective work, but also permits the device to become so far impregnated with the fine material in which it works as to lose its desirable characteristics for the work to be performed. I have discovered that by stitching through said fabric close to the margins or ends where the work is principally performed I am able to overcome this objection and to produce a sieve-cleaner of very superior excellence. Said cleaner embodies a metal bearing or support (secured to its under side and arranged centrally) which rests upon the wire-cloth floor provided for the purpose.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters refer to similar parts, Figure 1 is a top or plan view of a sieve of the kind with which I have commonly used my improved cleaner, a portion of the sieve-cloth being broken away to expose a portion of the interior containing one of my improved cleaners; Fig. 2, a sectional view of the same, on an enlarged scale, at the point indicated by the dotted line 2 2 in Fig. 1; Fig. 3, a top or plan view of one of the cleaners, separately, on a still further enlarged scale; Fig. 4, an end elevation thereof; and Figs. 5 and 6, detail sectional views at the points indicated by the dotted lines 5 5 and 6 6, respectively, in Fig. 3.

The sieve shown is composed of the frame 21, a wire bottom 22, a sieve-cloth 23, and appropriate partitions 24. It is of a well-known standard variety, such as are used in modern gyratory sifters.

My improved cleaner is composed of a woven fabric 31 of a suitable thickness, a metal bearing or support 32, secured thereto,

as by prongs 33, which are suitably bent down or clenched, and a series of stitches 34, close to the ends of the body of the cleaner, by which the end portions are strongly and firmly held together. As most plainly shown in Fig. 3 of the drawings, I use several rows of stitches across each of the ends of this cleaner. Said rows are close together, and provision is thus made to prolong the effective life of the device. These ends wear quite rapidly, and when the wearing has progressed sufficiently to reach one of the rows of stitches the next row comes into use, being approximately as near the preceding row as the outer row is to the end of the cleaner as originally made. The woven fabric 31 may be produced of the required thickness in any suitable way. I have used two four-ply thicknesses of woven belting with good results. The finished cleaner is usually about two inches wide and three inches long, and when the material just mentioned is employed is formed by two three-inch pieces cut from a two-inch belt, and then attaching them together in the manner stated. As the cleaner strikes against the walls of the sieve with considerable force, the stitching should be of a very strong and firm character, and the outer rows of such stitching should be quite close to the margin or ends.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sieve-cleaner composed of woven fabric strongly stitched close to the margin, and a metal support arranged centrally thereof and secured to the under side and which forms the bearing of the cleaner on the supporting-floor in operation.

2. A sieve-cleaner composed of woven fabric strongly stitched close to the margin, there being a multiplicity of rows of stitches near together which come into use successively as the ends wear away, and a metal support arranged centrally thereof and secured to the under side and which forms the bearing of the cleaner on the supporting-floor in operation.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 8th day of November, A. D. 1906.

DANIEL W. MARMON. [L. S.]

Witnesses:

CHESTER BRADFORD,  
THOMAS W. McMEANS.