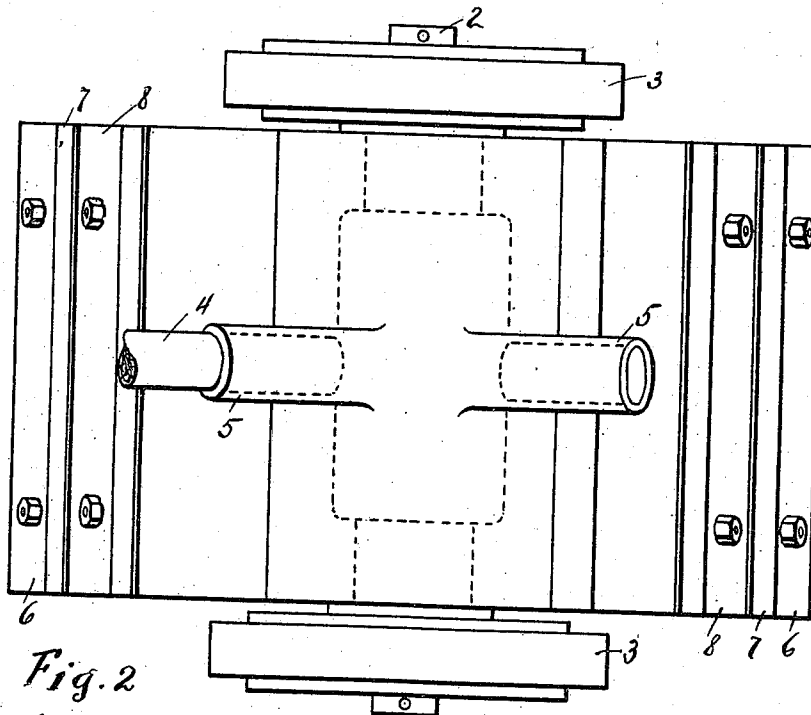
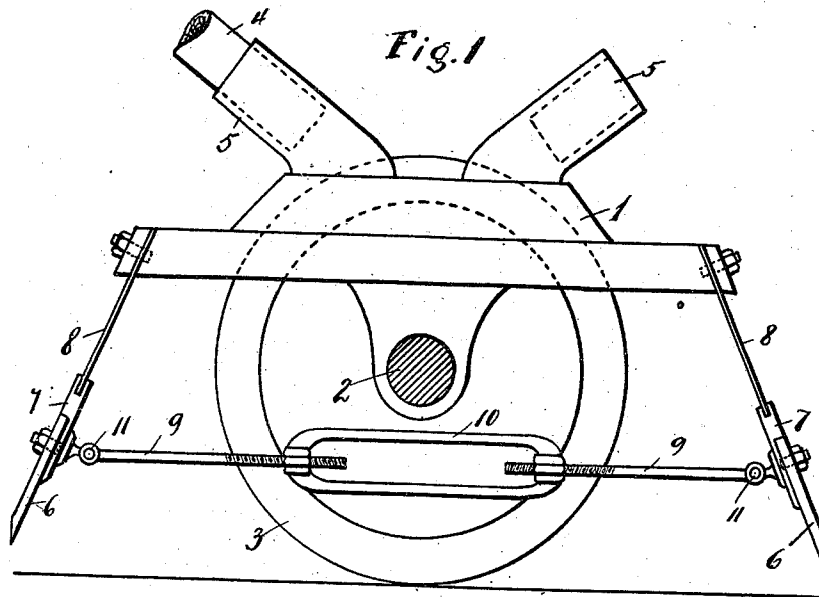


H. HECHT.
 PORTABLE PARQUETRY SCRAPING MACHINE.
 APPLICATION FILED JAN. 31, 1911.

989,601.

Patented Apr. 18, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

HUGO HECHT, OF BERLIN, GERMANY.

PORTABLE PARQUETRY-SCRAPING MACHINE.

989,601.

Specification of Letters Patent. Patented Apr. 18, 1911.

Application filed January 31, 1911. Serial No. 605,763.

To all whom it may concern:

Be it known that I, HUGO HECHT, citizen of the Kingdom of Prussia, in the Empire of Germany, residing at Landshuterstrasse 35, Berlin, Germany, have invented certain new and useful Improvements in Portable Parquetry-Scraping Machines, of which the following is a specification.

As is well known so-called parquetry scraping machines are employed for scraping floors, more particularly parquetry floors. These are portable machines, which are provided with one or more steel scraping knives and which are run to and fro over the floor and thus scrape it by means of the knives. The machines of this kind in which the scraping knives are fixed rigidly and immovably have not been found available in practice, because they do not act uniformly on the floor. The knives have therefore been made springy by means of spring constructions of many kinds in such a way that they can suitably yield to the movements of the machine in traveling to and fro and therefore act on the floor with a practically uniform pressure. Such spring constructions are, however, somewhat complicated and therefore comparatively expensive. This applies in particular to those spring constructions in which in order to obtain as uniform a pressure of the springs as possible, the knife blades are suspended between two springs acting in opposite directions. As, however, these constructions have in practice been found to be the best, this invention has for its object to afford a simplification in this spring construction, and thereby to cheapen the cost of making the machine. This advantage is obtained by the scraper blades and their holders being directly mounted on two thin flat or leaf springs, and connected with one another by connecting rods in such a way relatively to one another that the springs are in mutual tension. In addition to the advantage of considerably cheapening the construction, there is also a further one obtained viz., that

not only the pressure, but also the inclination of the blades may be adjusted according to requirements. 50

The improved machine is shown in the accompanying drawings in which:

Figure 1 is a side view with the front steel or roller omitted; and Fig. 2 a plan view.

The weighted frame 1 rests on an axle 2 55 on two wheels 3. 4 is a handle which may be inserted in one of the two handle sockets 5. The knives 6 are mounted with their holders 7 on thin leaf springs 8, which are mounted directly on the ends of the frame 1. 60 Both knife holders 7 are connected with one another by a tension device 9, 10, which is jointed to the knife holders at 11, but these joints may also be omitted. Both parts spring outwardly and are held mutually 65 under pressure by means of the tension device 9, 10.

When in use the two springs 8 are mutually held under pressure in such a way that each of the operating knives acts softly 70 and uniformly and acts on the floor in the best manner. This action may also be adjusted as desired by the tension device 9, 10, and at the same time the inclination of the knives may be regulated. 75

Having now particularly described the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

A portable parquetry scraping machine, 80 characterized by two scraping knives with their knife holders mounted on thin leaf springs mounted on the ends of the portable frame and connected by a tension device in such a way that their pressure and inclination may be adjusted, substantially as described. 85

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

HUGO HECHT.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.