

No. 744,541.

PATENTED NOV. 17, 1903.

J. HEENAN.  
PAVING.

APPLICATION FILED MAY 28, 1903.

NO MODEL.

FIG. 1.

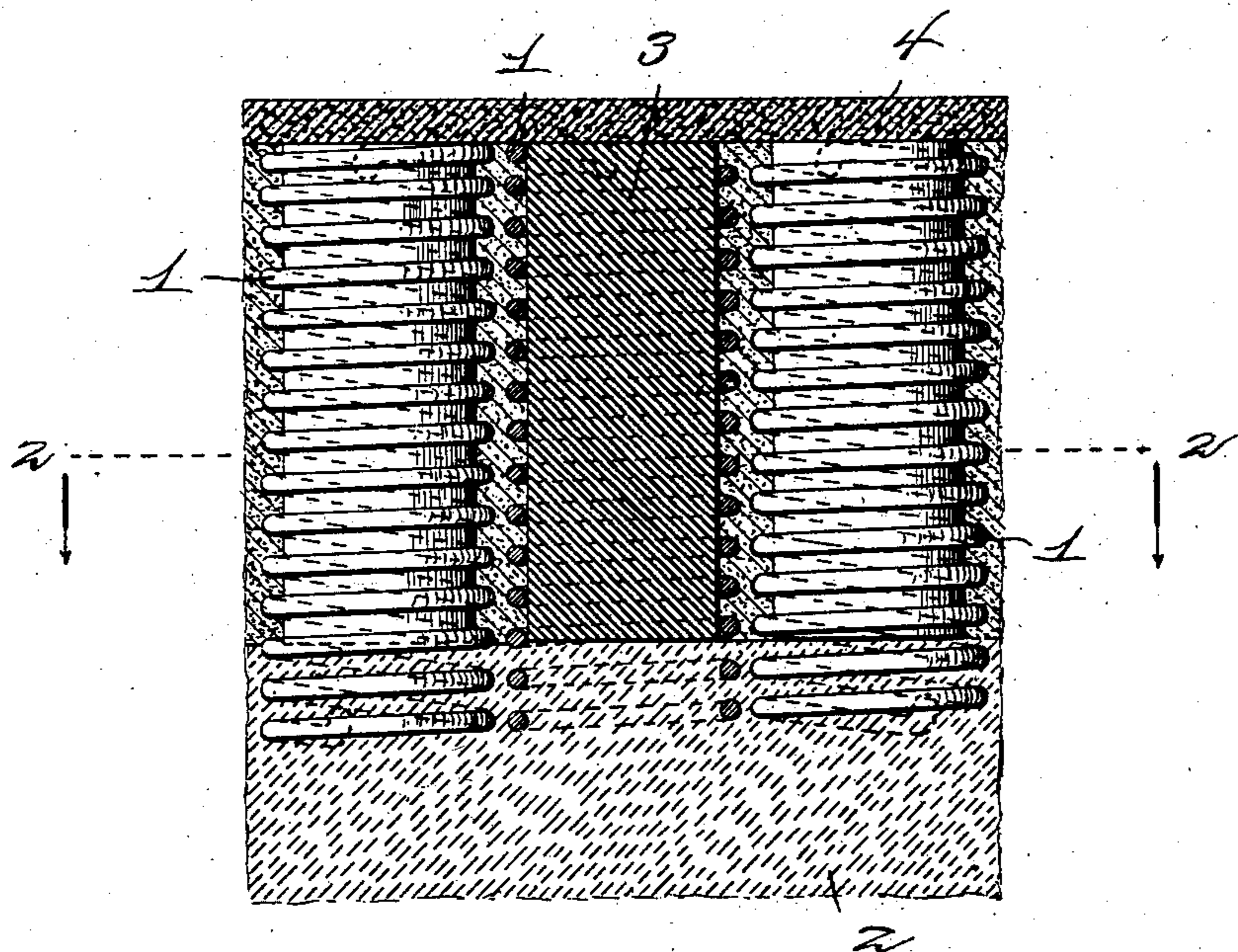
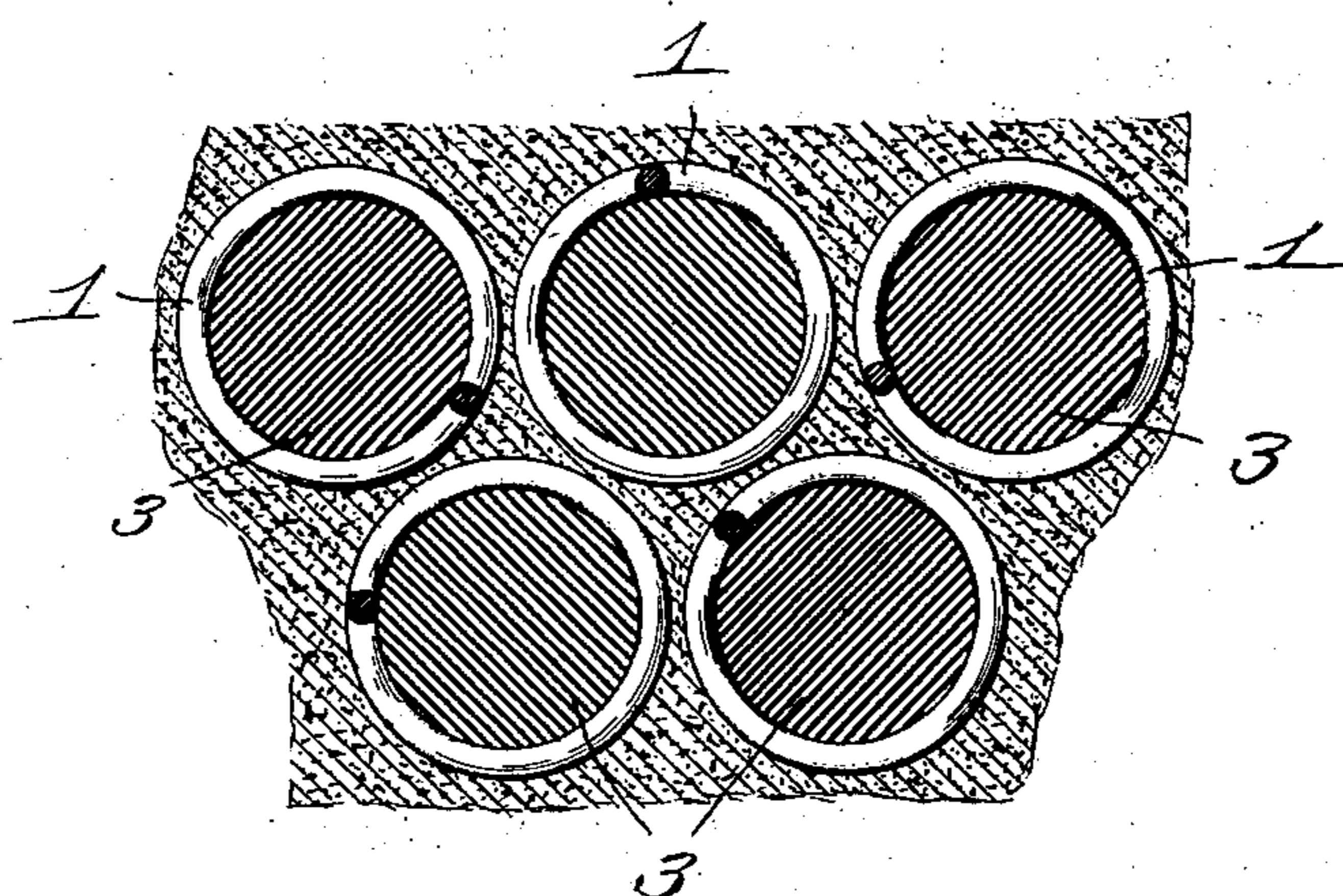


FIG. 2.



Inventor

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Witnesses

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## UNITED STATES PATENT OFFICE.

JOHN HEENAN, OF PORTLAND, OREGON.

## PAVING.

SPECIFICATION forming part of Letters Patent No. 744,541, dated November 17, 1903.

Application filed May 28, 1903. Serial No. 159,202. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HEENAN, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented new and useful Improvements in Paving, of which the following is a specification.

My invention relates to new and useful improvements in paving; and its object is to provide a resilient paving especially adapted for use in stalls, for sidewalks and streets, &c.

The invention consists in providing a paving of ordinary asphalt arranged upon coiled springs the lower ends of which are held securely within cement or other suitable material. An elastic material is arranged within each of the springs, and sand is preferably packed about the springs, so as to form a substantially solid support for the asphalt.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a vertical section through paving constructed in accordance with my invention, and Fig. 2 is a horizontal section there-through.

Referring to the figures by numerals of reference, 1 1 are coiled springs the lower ends of which are embedded in cement 2 or other suitable material adapted to hold them firmly in upright positions. The springs are arranged close together, and each is filled with rubber 3, which bears upon the bed 2 and extends upward to the upper ends of the springs.

Sand is placed between the springs and together with said springs forms a bed upon which asphalt or other surface material 4 is placed. When extreme pressure is brought to bear upon the asphalt, the springs 1 will be compressed, as is obvious, and the sand between the springs will be pressed inward against the rubber 3. It will be seen that this paving is extremely simple in construction, and as it is slightly resilient it is especially adapted for stalls in stables and for various other purposes.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. The combination with a bed having springs extending therefrom; of surface material mounted upon the springs, and granular material interposed between the springs.

2. The combination with a bed, and springs fixed therein and extending therefrom; of elastic material within the springs, granular material interposed between the springs, and surface material supported by the springs.

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

JOHN HEENAN.

Witnesses:

GEO. TROUTVETTER,  
RICHARD HEIMBACH.