

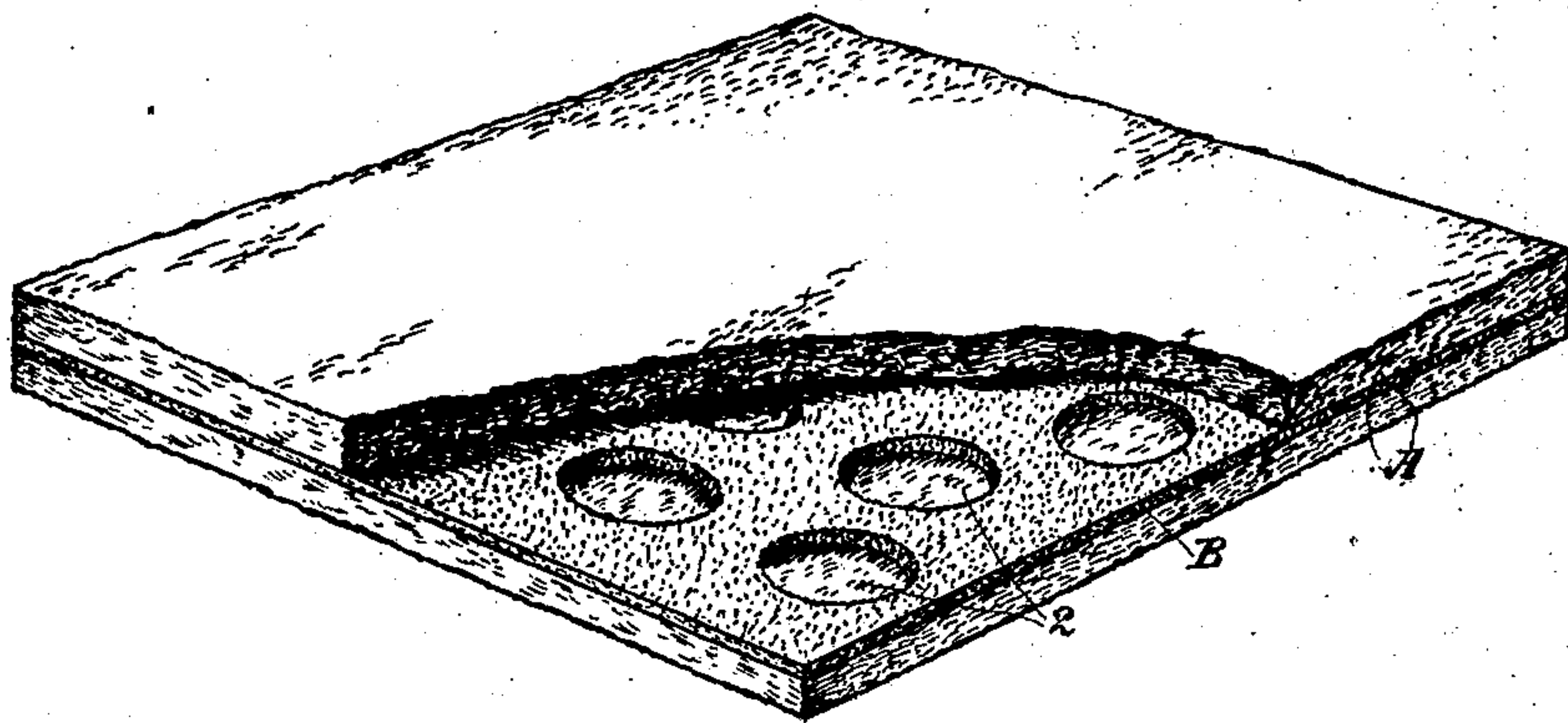
No. 690,772.

Patented Jan. 7, 1902.

R. E. REVALK.  
TYPE WRITER PAD.

(Application filed Oct. 8, 1901.)

(No Model.)



Witnesses,  
J. H. Nourse  
H. F. Alscheck

Inventor  
Richmond E. Revalk  
By Darrap Strong & Co.  
att

# UNITED STATES PATENT OFFICE.

RICHMOND E. REVALK, OF SAN FRANCISCO, CALIFORNIA.

## TYPE-WRITER PAD.

SPECIFICATION forming part of Letters Patent No. 690,772, dated January 7, 1902.

Application filed October 3, 1901. Serial No. 77,448. (No model.)

*To all whom it may concern:*

Be it known that I, RICHMOND E. REVALK, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Type-Writer Pads; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to improvements in devices for diminishing and muffling the noise created by the operation of a type-writing, calculating, or similarly-operated machine.

It consists of the improved type-writer pad, which I will hereinafter describe and claim.

Every one who has operated or seen operated a type-writing or calculating machine is aware of the noise made by the striking of the keys and type when these machines rest upon a solid support. Various devices have been used to lessen this noise, as by placing rubber tips upon the supporting-points of the machine. The difference in the result between a machine supported in any of the usual ways and another machine supported upon a pad such as forms the subject-matter of this invention is noticeably in favor of the latter, and I shall endeavor hereinafter to describe the construction by which this result is achieved.

Having reference to the accompanying drawing, the figure is a view of a pad.

A represents one or more layers of thick felt or similar soft fibrous material. Alternating with these layers are one or more layers or sheets B of rubber, cork, heavy fabric, or like resilient dense material. The inter-

mediate rubber or cork sheets are perforated, as shown at 2. The felts and sheets are glued together or otherwise united to form the pad. It has been found advantageous to perforate the intermediate sheet of rubber, cork, or other interposed denser material, as the noise is less with such perforated sheets than with sheets that are unperforated, while the difference between a pad composed of felt alone and one of equal thickness containing a rubber or cork sheet is even still more notable.

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

1. A means for diminishing and muffling the noise created by writing and other machines consisting of alternate layers of soft fibrous material and an interposed resilient dense material united thereto and having openings inclosed on both sides by the fibrous material.

2. A means for diminishing and muffling the noise created by writing and manually-operated machines, consisting of a pad capable of being fitted under the machine and including alternate layers of soft fibrous material and an interposed sheet of resilient dense material united thereto and having openings in it serving to further reduce the sound.

In witness whereof I have hereunto set my hand.

RICHMOND E. REVALK.

Witnesses:

S. H. NOURSE,  
JESSIE C. BRODIE.