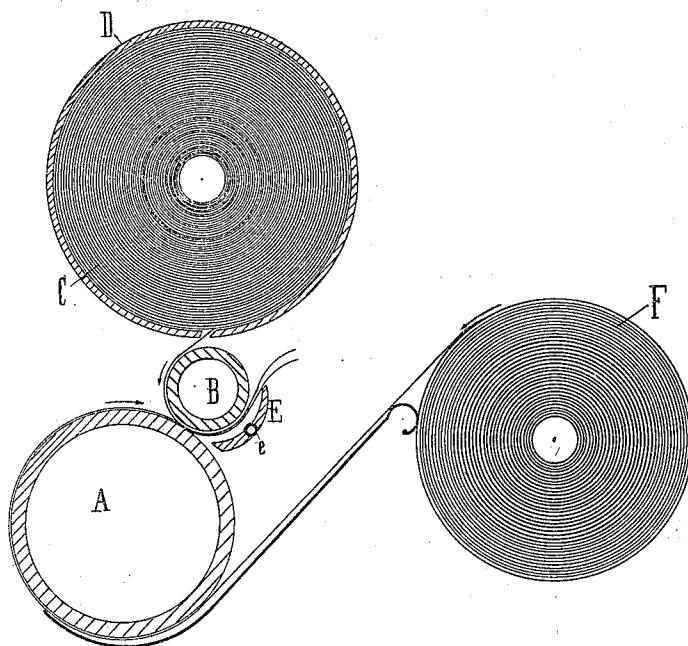


J. KERNER.
 COPYING ATTACHMENT FOR TYPE WRITERS.
 APPLICATION FILED JUNE 13, 1912.

1,045,796.

Patented Nov. 26, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN KERNER, OF VOORBURG, NETHERLANDS.

COPYING ATTACHMENT FOR TYPE-WRITERS.

1,045,796.

Specification of Letters Patent.

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Application filed June 13, 1912. Serial No. 703,505.

To all whom it may concern:

Be it known that I, JOHN KERNER, engineer, a subject of the Queen of the Netherlands, and resident of Voorburg, Netherlands, whose post-office address is West Vlietweg, have invented new and useful Copying Attachments for Type-Writers, of which the following is a specification.

The present invention relates to a copying attachment for typewriters. While hitherto the matter written on typewriters was manifolded by means of carbon sheets and carbon copies, the object of the present invention is to produce a regular press-copy of the writing of the typewriter simultaneously and on the typewriter itself. Such press-copies have hitherto been made only separately of the typewriter, and the carbon copies made on the typewriter itself, were frequently very indistinct, will easily blur and even become invisible when handled very often. Besides it is necessary to strike the keys of the typewriter very hard for making carbon copies, and thereby the typewriter is subjected to an undue strain. The press-copies made by the present method are greatly superior to carbon copies with regard to practicability, durability, and distinctiveness.

The attachment according to the present invention is combined with the typewriter and works continuously, so that the copies are made on the typewriter itself.

In the accompanying drawing a sectional view of the new attachment is given.

A is the platen of an ordinary typewriter. Against this platen bears an auxiliary or pressure roller B, which has preferably a covering of indiarubber and is held pressed against the platen A by means of a spring. The copying paper C is wound in form of a roll and consists of a moist, thin strip of material, which is manufactured in such a manner, that it will remain permanently moist,

and is put on the market in form of such rolls. This roll C is arranged in a copper drum D, which will not be affected by the moisture of the roll of copying paper and will besides prevent the latter from being dried. The strip of copying paper *c* is now drawn off from the roll and passed between the platen A and the pressure roller B bearing against the latter. The typewriting paper is wound off a roll and supplied to the platen A; instead of using a continuous strip of paper, however, also single typewriting sheets may be used in the usual manner.

The copying process proceeds in the known manner between the platen A and the pressure roller B and both the copying paper and the typewriting paper will emerge behind the roller B. Here a cutter E is arranged at *e*, which cutter will guide the two strips of paper and will at the same time serve to sever the copies and the written pages. During writing the typewriting paper will be advanced in known manner intermittently by the turning of the platen A. It will thereby be brought under the pressure roller B to which also the moist copying paper is fed. It is obvious that the typewriter must work with copying inks.

I claim:

In a typewriting machine, the combination of a rotatable platen, a copying roller adapted to be driven by said platen, and means for retaining a supply of moist copying paper in position to be fed between said copying roller and platen in contact with the typewritten sheet.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses.

JOHN KERNER.

Witnesses:

W. AMAND,
A. C. NELSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."