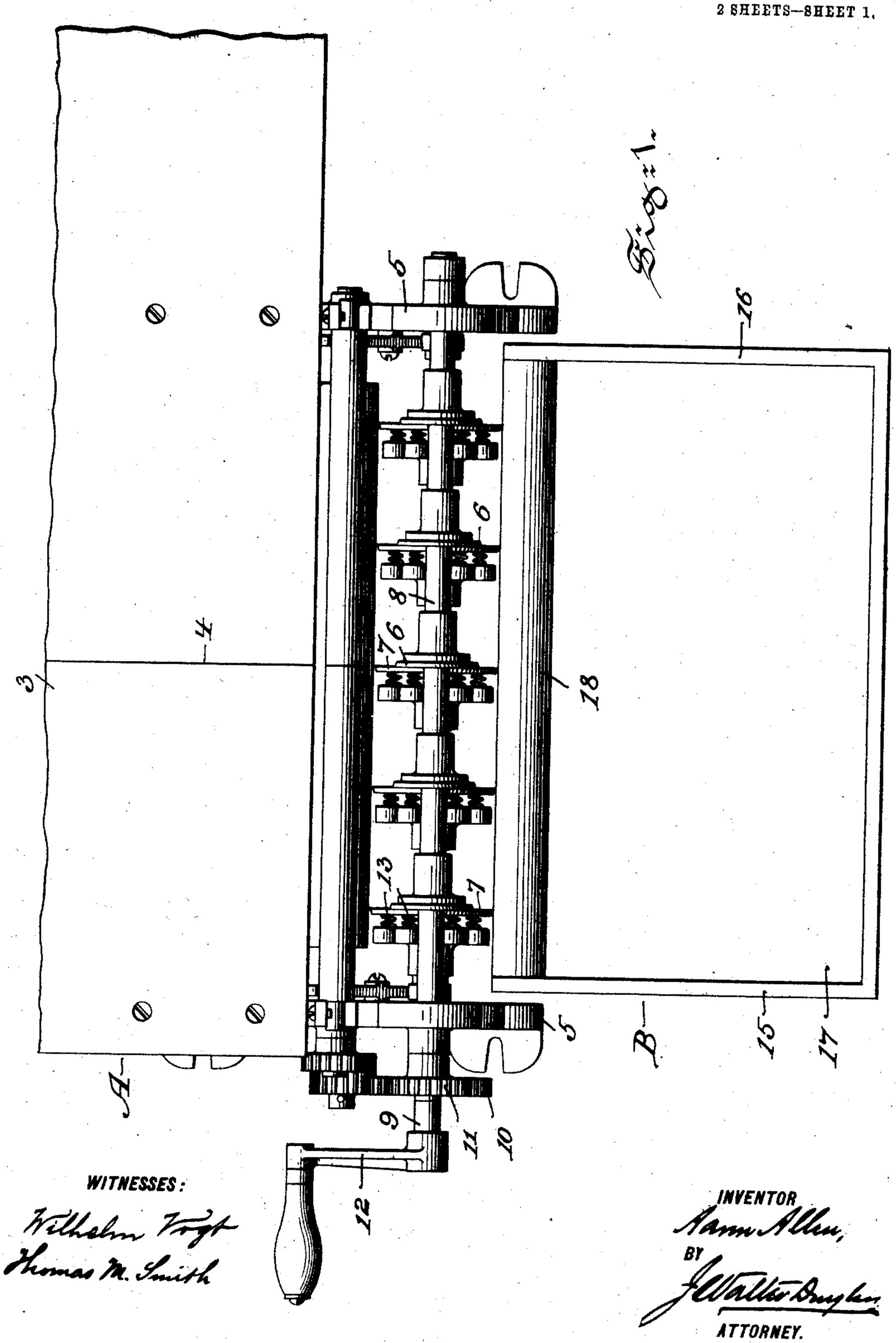
No. 864,717. PATENTED AUG. 27, 1907.

A. ALLEN.

RECEIVER FOR CUTTING MACHINES.

APPLICATION FILED MAR. 1, 1907.

2 SHEETS—SHEET 1.



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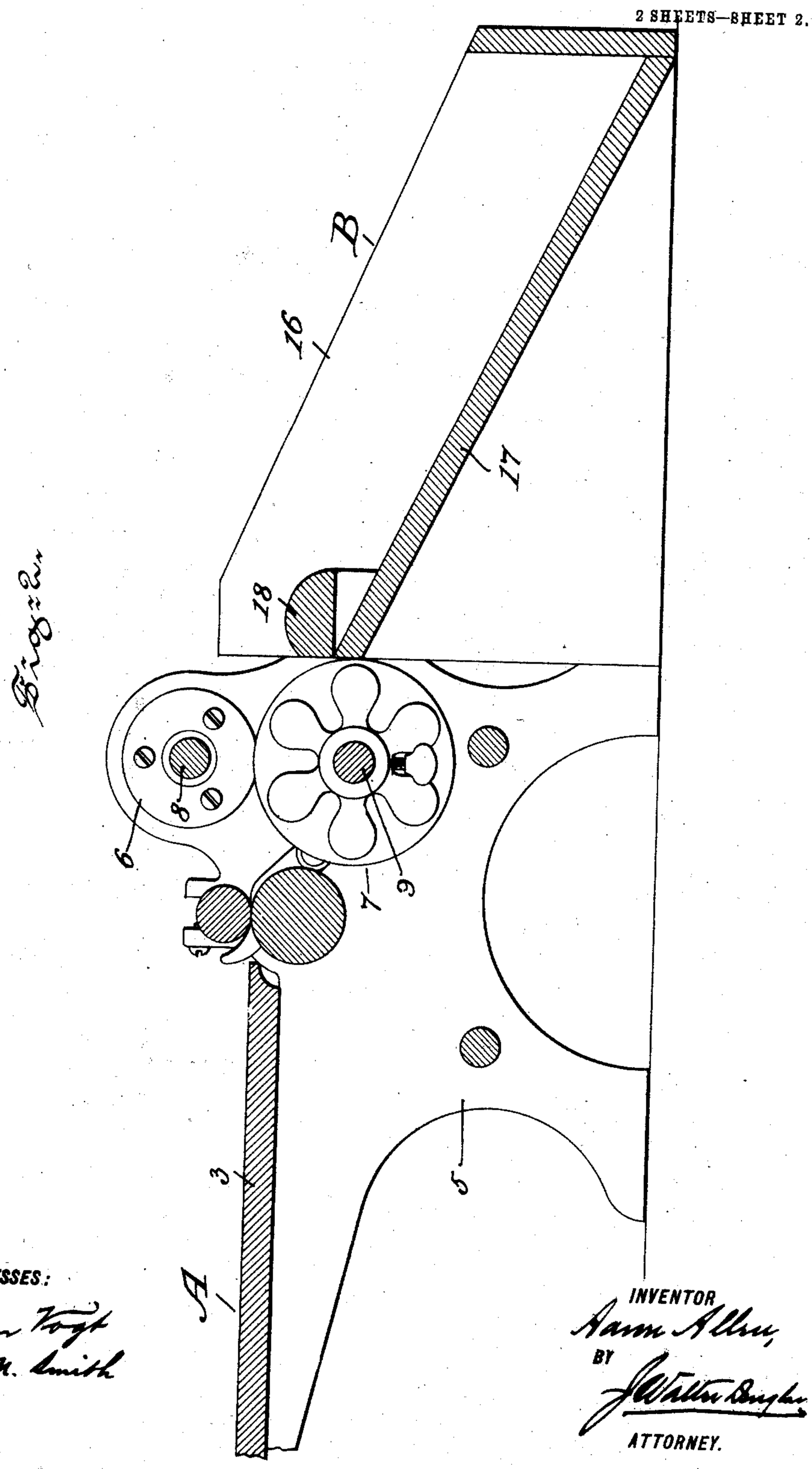

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RECEIVER FOR CUTTING-MACHINES.

No. 864,717. Specification of Letters Patent. Patented Aug. 27, 1907.

Application filed March 1, 1907. Serial No. 359,977.

To all whom it may concern:

Be it known that I, AARON ALLEN, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Receivers for Cutting-Machines, of which the following is a specification.

My invention has relation to a receiving device for application to a machine for slitting or cutting sheets of bank notes and other somewhat similar articles which after being severed or slit are fed frictionally forward and delivered by gravity then onto each other in separate layers or piles for being removed for use, as required.

The nature and scope of my present invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, in which

Figure 1 is a top or plan view of a bank note slitting machine and in application thereto, is shown a receiving device of my present invention embodying characteristic main features thereof; and Fig. 2 is a longitudinal sectional view through the slitting machine and receiving device thereof.

In the drawings is represented a type of cutting or slitting machine to separate bank notes from each other, printed in sheet form, to which my invention is particularly adapted for the purposes of the present invention. The said machine forming the subject-matter of a separate application for a patent filed by me under date of March 1st, 1907, Serial No. 359,976.

With reference to said machine A, 3 is the platform or table provided with a centering guide 4, for a sheet to be slitted. 5 are the standards to which a series of rotary cutters or knives 6 and 7, mounted on horizontal shafts 8 and 9, are journaled. The shafts are extended beyond one of the standards and on which are mounted gear-wheels 10 and 11, which mesh with each other; and on the shaft 9, is secured a hand-crank 12, for revolving the respective shafts 8 and 9, and thereby to rotate the said knives. The respective cutters or knives 6 and 7, are held in operative relation to each other by means of coiled springs 13. These springs are suitably arranged in contact with one set of knives and in boxes mounted on one of the shafts 9. By such arrangement is insured a uniform severing of the sheets brought in contact with the knives in the rotary action of the same by the hand-crank 12, so as to form oblong slips of the cut sheet, as in the case of bank notes, checks or like articles, and each of uniform dimension and even edges.

The receiving device B, of my present invention for application to such type of cutting or slitting machine forming the subject-matter of the present application, consists of a box-like receptacle, having preferably inclined side walls 15 and 16, an inclined bottom 17, and an arched projection 18, at the rear upper portion of the device adjacent to the point of delivery of the slitted sheet in the form of oblong slips from the machine A, in order that as these oblong slips issue from the machine A, to the projection 18, the said slips will ride in frictional contact with the projection 18, due to the retarding effect of such projection upon the traveling slips until beyond a center longitudinally of each of the slips, when by gravity the severed slips of the sheet from the slitting machine A, will be deposited regularly and uniformly over each other, in pile-like form, in the receiving device B. The respective piles of slips in the receiver B, may then be readily removed, as desired, for packaging, without the necessity of reassorting by handling the slips. This is a decided advantage in the case of bank notes or other similar articles.

Having thus described the nature and object of my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a slitting machine, a receiving device provided with an inclined bottom and a rear stationary projection, the construction being such, that the oblong slips fed to the projection by the machine and frictionally contacting with the surface thereof are retarded in their speed of travel so that by gravity they can separately pass onto the bottom of the device in piles, substantially as described.

2. In a slitting machine, a receiving device provided with an inclined bottom and with a stationary arched projection adjacent to the point of delivery of the slips from the machine and over which the slips frictionally contact in travel and pass then by gravity onto the inclined bottom in uniform piles of slips separated from each other, substantially as described.

3. A slitting machine provided with a box-like device having an inclined bottom and with a stationary transverse projection in proximity to the point of delivery of the slips from the machine, the sides of the device extending above said projection; the construction being such that the slips fed from the machine to the projection and frictionally contacting therewith are retarded in their speed of travel until by gravity the slips fall onto one another in separate piles in said device, substantially as described.

In witness whereof I have hereunto set my signature in the presence of two subscribing witnesses.

AARON ALLEN.

Witnesses:
J. WALTER DOUGLASS,
GEO. W. REED.