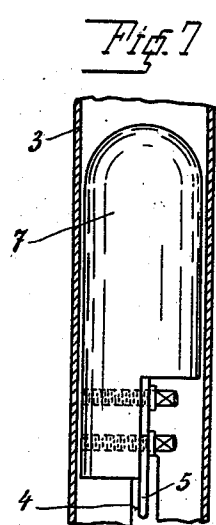
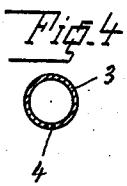
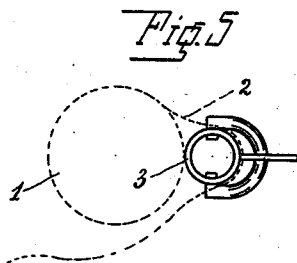
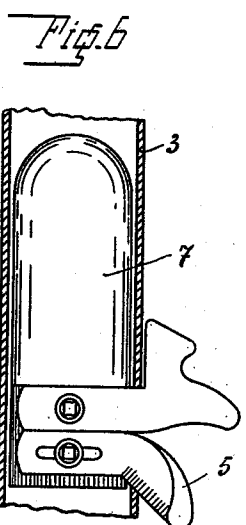
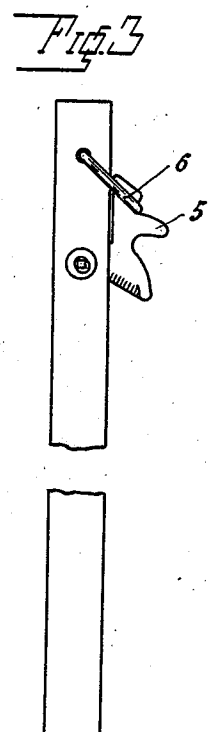
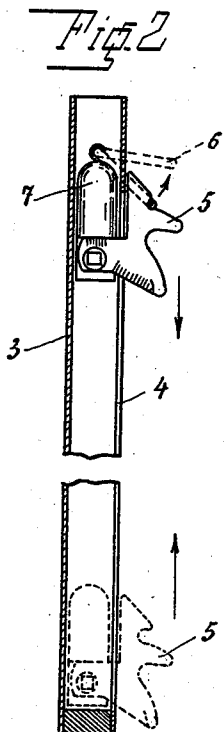
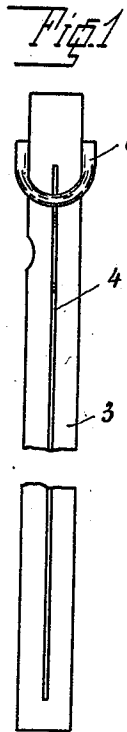


C. SOLA.
 DEVICE FOR CUTTING PAPER.
 APPLICATION FILED DEC. 17, 1910.

1,000,631.

Patented Aug. 15, 1911.



Witnesses
 Charles Franc K
 Louis Armour

Inventor:
 Carlo Sola
 by *[Signature]*
 Attorney

UNITED STATES PATENT OFFICE.

CARLO SOLA, OF DAVOS PLATZ, SWITZERLAND.

DEVICE FOR CUTTING PAPER.

1,000,631.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed December 17, 1910. Serial No. 597,946.

To all whom it may concern:

Be it known that I, CARLO SOLA, engineer, subject of the Kingdom of Italy, residing at Châlet-Frei, Davos Platz, Switzerland, have invented certain new and useful Improvements in Devices for Cutting Paper, of which the following is a specification.

The subject-matter of my invention is a device, preferably comprising a blade which falls under the influence of its own weight, for cutting paper.

In my improved cutting device the paper, when being cut, is pulled around a rectilinear guide so that it lies closely against the same, without folds, along the entire length of the line of cut and consequently can be cut simply and evenly.

In one constructional form of the subject-matter of my invention the guide around which the paper is drawn, is made like a roller so that the paper rests perfectly free from folds and without hollows under it on a relatively large surface and in consequence of the greater friction produced is held exceedingly securely in position while it is being cut.

In another preferred form of the subject-matter of my invention the roller-shaped guide is made hollow and provided with a slot corresponding to the line of cut, and a falling blade which is actuated under the influence of a weight movable in the hollow cylinder moves in the slot.

Some illustrative embodiments of my invention are diagrammatically represented by way of example in the accompanying drawing, wherein:—

Figures 1, 2 and 3 are front elevation, vertical sectional elevation, and side elevation, respectively, showing one form of my device comprising a cylindrical guide, Fig.

4 is a cross-section through the guide, and Fig. 5 is a plan showing, in dotted lines, a roll of paper at the rear of the guide; Fig. 6 is a side elevation, part being broken away, showing a modified form of the blade attached to the weight, and Fig. 7 is a front elevation of the device as shown in Fig. 6, part being broken away.

Referring to the drawing, the paper 2 coming from the spool 1 is placed around the cylindrical face of the guide or tube 3 for the purpose of its being cut. This tube has a longitudinal slot 4, in which a blade 5 moves. This blade is generally held by a ring 6 mounted on the upper end of the cylindrical guide, as clearly shown in Fig. 3. The blade moves under the influence of gravity on itself and on a weight 7 guided in the tube 3.

When the paper 2 is pulled around the periphery of the tube 3 it rests on a relatively large surface, has no folds along the entire length of the line of cut and, consequently, can be cut in the simplest manner by allowing the weight 7 to descend.

I claim:—

In means for cutting paper, the combination, with a vertical, rectilinear, tubular guide having a longitudinal slot, of a blade guided in the guide and movable in the slot, a weight carried in the guide by the blade, and means mounted on the guide normally holding the blade and the weight at the upper end thereof.

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

CARLO SOLA.

Witnesses:

ERHARD BRANGER,
CHRISTINE MEISSER.