A. PAAL.

APPARATUS FOR BALING PAPER AND THE LIKE CUTTINGS.

APPLICATION FILED JUNE 14, 1910.

1,040,396. Patented Oct. 8, 1912.

Fig. 1

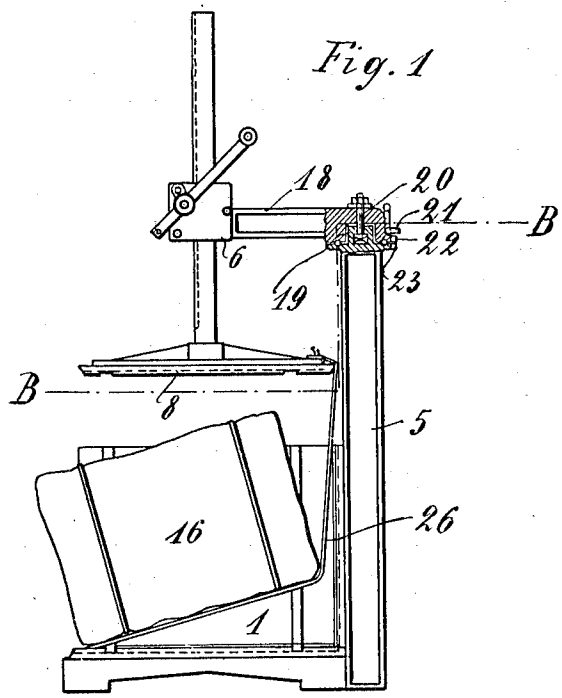


Fig. 2

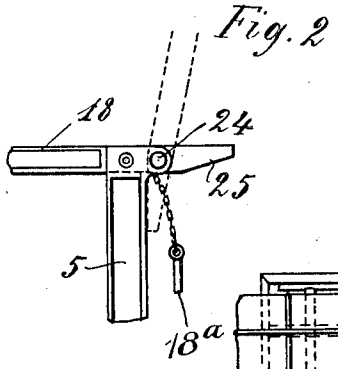
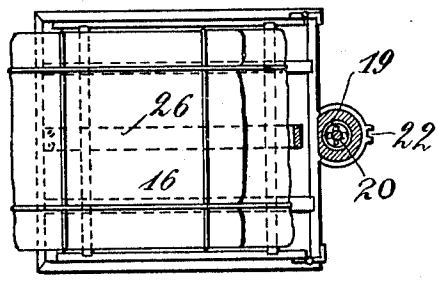


Fig. 3



Witnesses:

A. Müller

F. Kuntze

Inventor:

Alexander Paal.

UNITED STATES PATENT OFFICE.

ALEXANDER PAAL, OF OSNABRÜCK, GERMANY.

APPARATUS FOR BALING PAPER AND THE LIKE CUTTINGS.

1,040,396. Specification of Letters Patent. Patented Oct. 8, 1912.

Application filed June 14, 1910. Serial No. 566,841.

To all whom it may concern:

Be it known that I, ALEXANDER PAAL, a subject of the German Emperor, and resident of Osnabrück, Germany, have invented certain new and useful Improvements in Apparatus for Baling Paper and the Like Cuttings, of which the following is a specification.

This invention relates to improvements in such apparatus for baling paper and the like cuttings as are described in the specification accompanying my prior application for patent, Ser. No. 538,289, filed January 15th, 1910. In said apparatus, the press-plate must for again filling the apparatus be entirely raised from time to time. To overcome this time-wasting drawback, the present invention provides, instead of a fixed bracket for carrying the press-plate, a movable arm which can either be turned aside or turned over to liberate the space above the press-receptacle for an unobstructed filling-in of the paper or like cuttings.

A further improvement relates to the ejection of the finished bales; it consists in that a belt which is fixed at the middle of the front edge of the bottom of the receptacle is laid through the receptacle and led to the upper edge of the back wall of the same and designed to be fixed, upon a bale being finished, on the press-plate in order to eject the bale by raising the press-plate.

The accompanying drawing shows the improved arrangement.

Figure 1 is a side view of the apparatus, partly in section, Fig. 2 shows the essential part of the other mode of construction mentioned, and Fig. 3 shows a section on the line B—B of Fig. 1.

The arm 18 of the beam or standard 5, which connects the press-receptacle 1 with the casing 6, is movably arranged in horizontal direction around the trunnion 19 or bolt 20 respectively, so that it can be turned aside after the press-plate 8 is lifted above the top edge of the press-receptacle 1 and after disengagement of a locking device which holds the arm in proper pressing position. Thereby, the space above the receptacle becomes free so that even a person can ascend the receptacle and tread the gradually filled-in cuttings hard, in case the press-plate is only to be used for the last pressure during the tying-up of the bale. The locking device mentioned may, for instance, consist of an angle-lever, of which the arm 21 engages the recesses 22 and 23 in the arm and standard respectively.

In the example shown in Fig. 2, the arm 18 is pivotally arranged on the standard 5 and can be turned over around its fulcrum 24, its rearward movement being limited by an abutment 25, while it is secured in its horizontal working position by a pin 18^a passed through corresponding holes in the standard and arm respectively.

The belt 26 of which also two or more may be employed, serves for the ejection of the finished bale, it being fixed at the middle of the front edge of the bottom of the receptacle and led through the receptacle to the top edge of the back wall of the same. As soon as a bale is pressed and tied-up, the free rear end of the belt is fixed to the press-plate 8, for instance by being hooked thereon or in any other way, whereupon by raising the press-plate the bale is ejected, it being for this purpose necessary to previously remove the front wall of the receptacle.

I claim:—

In apparatus for baling paper or the like cuttings, the combination of a press-receptacle with open front side, a press plate arranged above said receptacle and adapted to be raised or lowered, and a belt fixed at the middle of the front edge of the bottom of the receptacle and arranged to lead through the latter to the rear and with its free end designed, upon the press-plate being raised, to be fixed to the same, for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALEXANDER PAAL.

Witnesses:
H. JOCKBECK,
T. DAMMERSMANN.