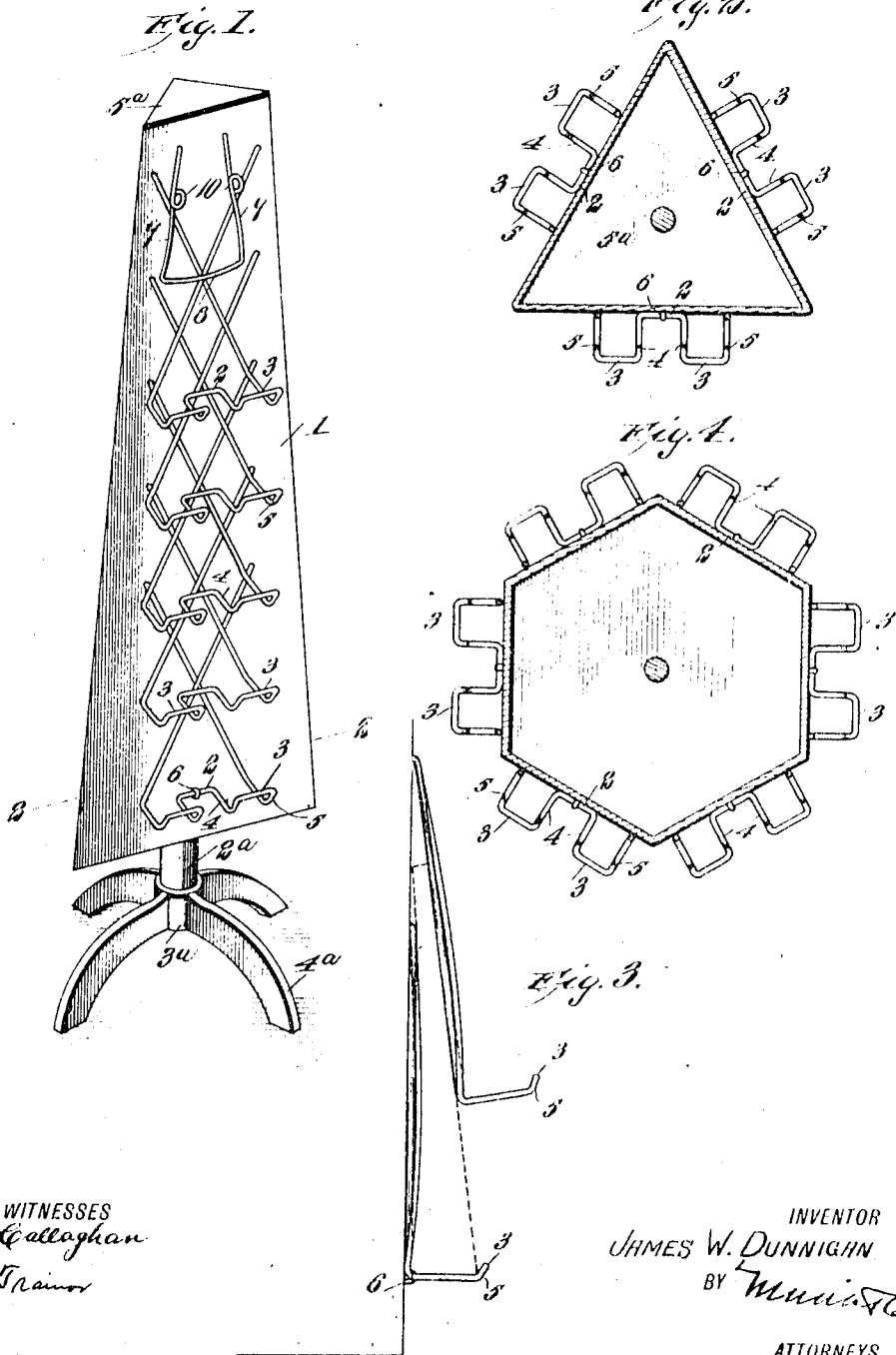


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PAPER BAG HOLDER.
APPLICATION FILED JULY 3, 1909.

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WITNESSES
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PAPER-BAG HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES WILLIAM DUNNIGAN, a citizen of the United States, and a resident of Altoona, in the county of Blair, State of Pennsylvania, have invented certain new and useful Improvements in Paper-Bag Holders, of which the following is a specification.

My invention is an improvement in rotating paper bag holders, and consists in certain novel constructions and combinations of parts hereinafter described and claimed.

The object of the invention is to provide a cheap and serviceable device of the class described which will furnish a maximum of separate holders in a minimum of space, and wherein each size of bag will be in a separate bunch and may be easily got at and removed.

Referring to the drawings forming a part hereof: Figure 1 is a perspective view of the improvement; Fig. 2 is a section on the line 2—2 of Fig. 1; Fig. 3 is a side view of one of the holders; and Fig. 4 is a transverse section of a modified form of support.

The embodiment of the invention shown in the drawings consists of a support 1^a which, as shown in Figs. 1 and 2, is triangular in cross section, but may obviously be of any desired cross sectional form, the support being hollow as shown for the sake of lightness. The support is mounted on the upper end of a shaft 2^a, which is journaled at its lower end in a step bearing 3^a, and the bearing is provided with radial feet 4^a, the feet being arched as shown and arranged with their convex sides upward.

The support shown in Fig. 1 is tapering in form and is arranged with its large end downward, the ends being closed by plates 5^a, and the holders to be presently described in detail are secured to the side walls thereof.

Each of the holders consists of a preferably resilient strand, bent upon itself to form a body portion, and arms 1, the arms being crossed and having their free ends bent laterally and engaging openings in the support. The body part consists of a straight central portion 2 and straight side portions 3 which are offset from the central portion outwardly, as at 4; and upwardly, as at 5. The central portion 2, as will be evident from an inspection of Fig. 1, is directly between the ends of the arms 1 and

is secured to the support by a staple 6, 55 while the side portions 3 are offset outwardly from the support and from the ends of the arms.

The bottom of the bags 7 rest upon one holder, as indicated in Fig. 3, and the upper 60 ends of the bags are received beneath the arms of the next upper holder, each of the side portions 3 of the holder acting as a support for one bunch of bags.

Since the arms 1 of the holder are resilient, they firmly clamp the tops of the bags against the support while permitting them to be easily removed.

At the top of the support the holder is differently formed, consisting of a body 8, 70 which is straight, and arms 9 secured to the support in the same manner as the arms 1, and in each of the arms is interposed a coil 10 for increasing the resiliency of the arms.

In Fig. 4 the support 11 is hexagonal in cross section, but is equipped with the same form of holder as is the form shown in Fig. 1.

It will be evident from the description 80 that the different sizes of bags may be arranged in separate bunches, each having a holder of its own, and that when so arranged the bags of each size may be easily taken hold of and removed. It will be observed that the holders are arranged one 85 above the other and with the cross of the arms of one directly beneath the central portion of the body of the next upper holder.

If desired the support may be provided 90 with a number at the side of each holder indicating the size of the bag.

By the described construction, it will be noticed that each of the bag holding devices is operated with a spring action upon the 95 next lower bag holding device. This results from the overlapping of one bag holding device by the next upper one which is rendered practicable by the crossed construction of the upwardly projecting spring 100 arms which spring arms cross each other above the bag holding portion proper of the device. This is an important feature of my invention and cannot be secured by any construction in which the arms of the bag 105 holding device are parallel with each other and enables me to reinforce each of the bag holding devices by the next upper one thus

securing what might be termed a chain of reinforcements from end to end of the series of bag holding devices.

I claim:

- 5 A bag holding device comprising a support and a series of bag holding devices bent from wire and arranged one above the other upon the support, said devices having each a lower bag holding portion proper
- 10 and spring arms extending upwardly therefrom and crossing each other at a point midway between their ends and secured at their upper ends to the support, each of said

bag holding devices being arranged to overlie the next lower one with the spring arms of the overlying device pressing with a spring action at points below their crossing over the corresponding arms of the next lower device at points above the crossing of the latter all substantially as and for the purposes set forth. 15 20

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Witnesses:

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