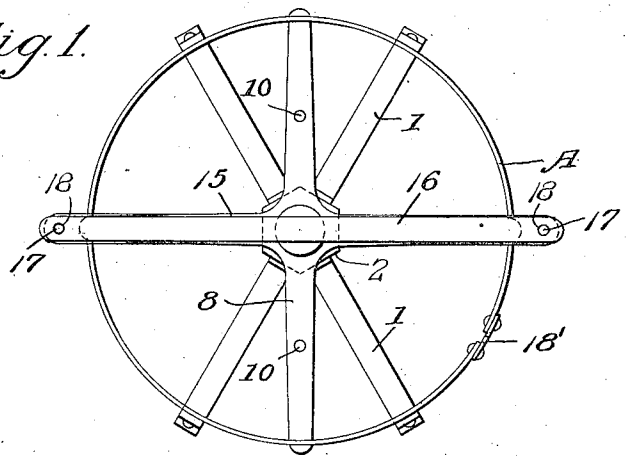
Aug. 21, 1923. 1,465,818

S. J. GUNN

REEL

Filed March 29, 1922

Fig. 1.



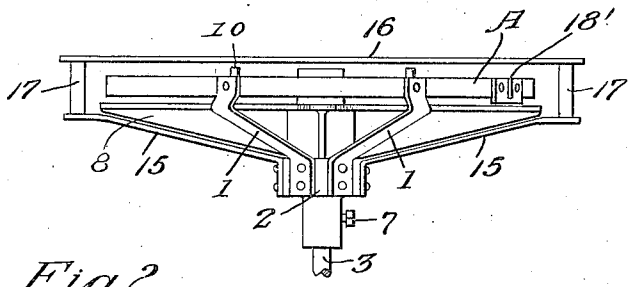
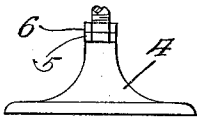


Fig. 2.



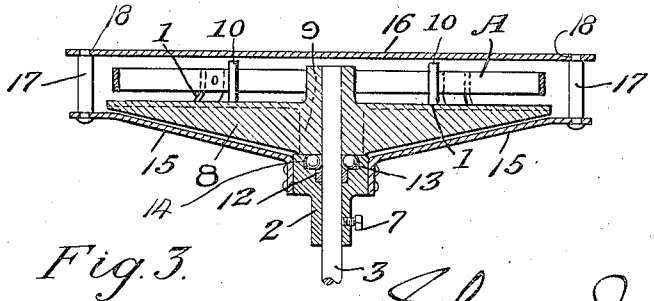


Fig. 3.

Inventor

Shelton J. Gunn

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His Attorney

Patented Aug. 21, 1923. 1,465,818

UNITED STATES PATENT OFFICE.

SHELTON J. GUNN, OF GUNNTOWN, FLORIDA.

REEL.

Application filed March 29, 1922. Serial No. 547,935.

To all whom it may concern:

Be it known that SHELTON J. GUNN, a citizen of the United States, residing at Gunntown, in the county of Levy and State of Florida, has invented certain new and useful Improvements in Reels, of which the following is a specification.

My invention relates to an improvement in reels.

The object of this invention is to provide a reel for holding coils of sheet iron for use more particularly in banding the edges of box or crate covers and bottoms.

Another object is to prevent the banding material from being pulled from the reel faster than is needed, the material being more or less resilient expands immediately when the pull is relieved coming in contact with the stationary band which serves as a brake, the next pull automatically contracting the material relieving its contact with the stationary board.

The more essential features of this invention include a detachable and rotatably mounted reel spider which has the banding material spooled thereon and a rim within which the banding material is held, and through an opening in the edge of which it is drawn out by the banding machine preliminary to its application to the cover or bottom or other material to be bound.

In the accompanying drawings,

Figure 1 is a plan view.

Figure 2 is a side view.

Figure 3 is a section.

A, represents a rim held by several arms 1, four being shown upon the supporting block 2, secured upon the upper end of the standard 3, by set screw 7, and this standard is supported upon a base 4, and is capable of being adjusted up and down by nuts 5 and 6, the latter being a lock nut turning upon threads on the lower end of the standard and resting upon the upper end of the base 4, as shown in Figure 2.

The reel 8, is provided with a hub 9, which is mounted and turns upon the upper end of the standard 3, and this reel carries the metal banding or wire which is held thereon between the pins 10, and the rim A.

Cone bearing and ball bearings 12 and 13, are supported in the recess 14, of the upper end of the supporting block 2, and upon these the reel turns.

The supporting block is hexagonal in horizontal cross section, as shown in Figure 1, to form supports for the arms 1, which hold the rim A, and to receive the additional arms 15, of which there are two opposite each other as illustrated, and these arms form the support for the cross bar 16, which holds the banding material preventing the banding material or wire from coming off the reel. The cross bar is supported by pins 17, extending into holes 18 formed therefor in the outer ends of the arms 15.

The material is drawn out through the slot or hole 18′, in the side of the rim as it is required by the machine in box or crate construction.

From the foregoing it will be seen that a simple device is provided for holding and controlling a coil of banding material or wire as it is required in the operation of fastening it upon the edges of the box material.

I claim:

1. The combination of a standard, a stationary supporting block secured thereto, a reel rotatably supported upon said block, a stationary rim arranged above said reel and supported upon said stationary block, and a cross bar extending diametrically over said stationary rim and supported upon said stationary block.

2. The combination with a standard, a supporting block secured thereto and having a hexagonal portion, arms extending from the faces of the hexagonal part of the block, a rim secured to certain of these arms, a cross bar extending diametrically over the rim and supported by the outer ends of two of the arms, and a reel rotatably supported concentric with the rim and beneath the bar.

3. The combination with a standard, a stationary supporting block secured thereto and having a hexagonal portion, arms extending from the faces of the hexagonal portion, a slotted rim secured to certain of these arms, a cross bar extending diametrically over the rim and supported by the outer ends of two of the arms, and a reel rotatably supported upon ball bearings and concentric with the rim and beneath the bar.

4. The combination with a standard, a stationary supporting block secured thereto and having a hexagonal portion, arms extending from the faces of the hexagonal portion of the stationary block, a slotted rim secured to certain of these arms, a cross

bar extending diametrically over the rim and supported by the outer ends of two of the arms, and a reel rotatably supported upon ball bearings, said reel being concentric with the rim beneath the bar, and adapted to receive a coil of resilient banding material, the free end of which is threaded through the slotted rim, whereby when a pull is exerted upon the coil of material it is retracted from the slotted band relieving the breaking action caused by its contact with the slotted band.

In testimony whereof I affix my signature.

SHELTON J. GUNN.