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P. E. GERLAT

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SHIPPING DEVICE FOR ARTICLES OF CYLINDRICAL SHAPE

Filed Sept. 1. 1921

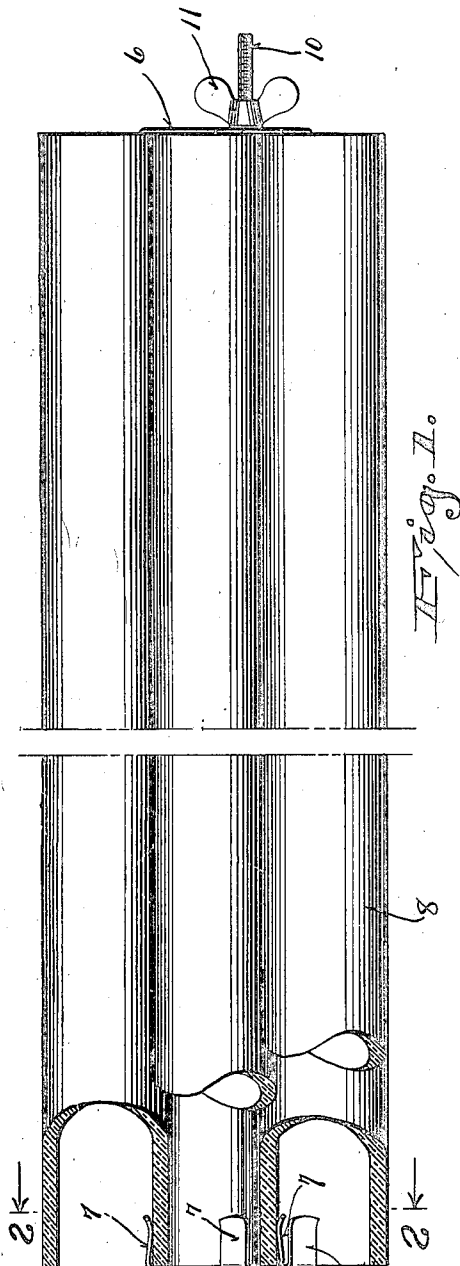


Fig. 1.

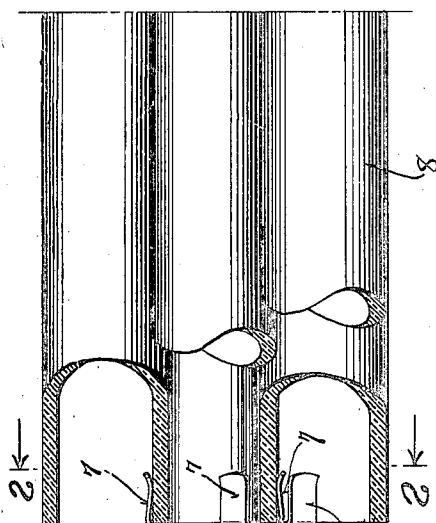


Fig. 2.

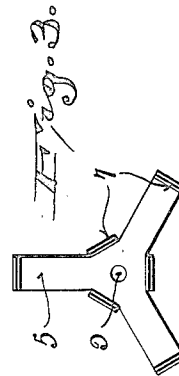
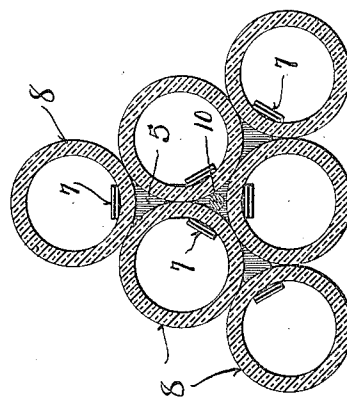


Fig. 3.



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UNITED STATES PATENT OFFICE.

PAUL E. GERLAT, OF SHEBOYGAN, WISCONSIN.

SHIPPING DEVICE FOR ARTICLES OF CYLINDRICAL SHAPE.

Application filed September 1, 1921. Serial No. 497,497.

To all whom it may concern:

Be it known that I, PAUL E. GERLAT, a citizen of the United States, and resident of Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Shipping Devices for Articles of Cylindrical Shape; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to a new and improved device for conveniently securing articles of cylindrical shape into compact bundles for the purpose of shipment. The paper on which newspapers are printed for example, is usually received in large rolls which are wound on hollow cylindrical fibre cores. These cores are comparatively expensive to make and are charged up to the newspaper company and in order to cut down the charges it becomes necessary to return the cores to the paper manufacturer. The cores are quite large and their surface smooth and consequently it has hitherto involved considerable time, trouble, and expense to secure them in bundles for shipment in such a manner as to prevent them from becoming disarranged and damaged from the rough handling to which ordinary freight is subjected.

The purpose of my invention is to provide a device for securing such articles in bundles at minimum trouble and expense in such a manner that they can not become disarranged, no matter how roughly they are handled.

The preferred embodiment of my invention is illustrated in the accompanying drawing, in which:—

Figure 1 is a side elevation of a bundle secured by means of my invention, a part thereof being broken away to show better the construction of the invention.

Figure 2 is a cross sectional view on the line 2—2 of Figure 1, and

Figure 3 is a detail view of one of the brackets constituting a part of my invention.

In carrying out the invention a pair of brackets 5 and 6 are provided which are

adapted to engage the ends of the hollow cylindrical bodies 8 and these brackets are provided with prongs 7 which extend into the ends of the cores, engaging the inner walls thereof to hold the same in compact and symmetrical arrangement. The brackets are provided with central orifices 9 which are adapted to receive a headed rod or elongated bolt 10 which is provided with a nut 11 for drawing up the brackets into close engagement with the ends of the cores, thus securing the bundle firmly so that there is no possibility of its becoming disarranged.

While I have shown my invention in a form which is adapted to secure six cores in the relation shown most clearly in Figure 2, it will be readily understood that the brackets may be provided with additional prongs symmetrically arranged so as to form a larger bundle of any number of cores desired.

My invention therefore is not limited to the precise structure shown and described but may be made in other shapes and sizes within the scope of what is claimed.

I claim as my invention:—

A shipping device for articles of cylindrical shape comprising a pair of end brackets, each of said brackets having a plurality of prongs extending therefrom and arranged in concentric circles, the prongs of an inner circle being adapted to hold a plurality of rolls in juxtaposed position, the prongs of the outer circle being adapted to hold other rolls in engagement with the first-named rolls, each of said brackets having a central aperture, a rod adapted to be inserted thru the said apertures, and means for drawing up the brackets into engagement with the ends of the cylinders with the prongs extending into said ends and engaging the walls thereof to hold the cylinders in a compact symmetrical bundle.

In testimony that I claim the foregoing I have hereunto set my hand at Sheboygan, in the county of Sheboygan and State of Wisconsin.

PAUL E. GERLAT.