

J. MAGNUSEN.
 YARN WINDER.
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1,294,291.

Patented Feb. 11, 1919.

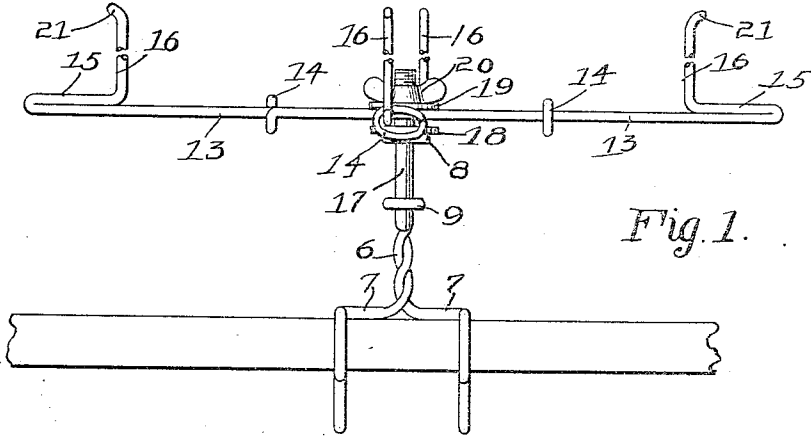


Fig. 1.

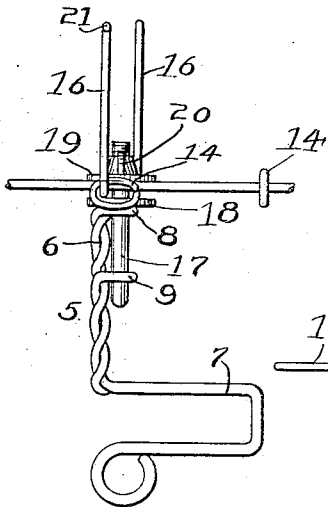


Fig. 2.

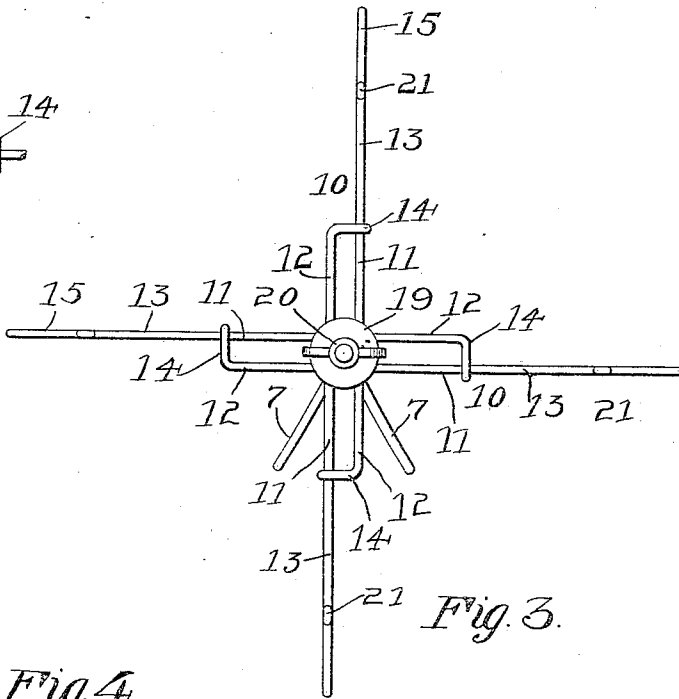


Fig. 3.

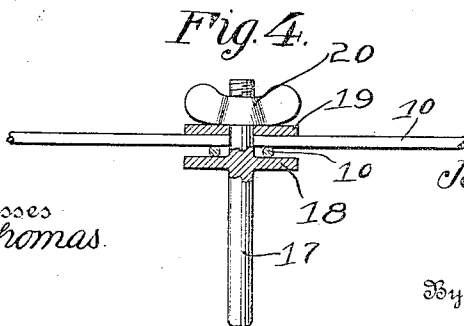


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

JAMES MAGNUSEN, OF CHICAGO, ILLINOIS.

YARN-WINDER.

1,294,291.

Specification of Letters Patent.

Patented Feb. 11, 1919.

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To all whom it may concern:

Be it known that I, JAMES MAGNUSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Yarn-Winders, of which the following is a specification.

This invention relates to winding and reeling devices, and has for its object the provision of a device whereby skeins of yarn, twine, or thread may be supported during the action of winding it on a ball, or otherwise.

An important object is the provision of a device of this character which may be readily attached to a table or shelf and which is so constructed that the parts thereof may be adjusted for holding different sizes and lengths of skeins.

Another object is the provision of a device of this character which is formed entirely of wire and which is consequently simple and inexpensive in manufacture, which will be highly efficient and durable in service, and a general improvement of the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed and illustrated in the accompanying drawing in which:

Figure 1 is a front elevation of my device in position upon a table top.

Fig. 2 is a side elevation thereof detached from the table.

Fig. 3 is a top plan view and

Fig. 4 is a detail sectional view.

Referring more particularly to the drawing the numeral 5 designates the stationary or supporting portion of my device which is formed from a single length of wire twisted together intermediate its ends to provide a vertically extending portion 6 and having its end portions bent to provide a clamping member 7 engageable upon the edge of a table or shelf. The vertical portion 6 is so twisted as to provide laterally extending loops 8 and 9 formed respectively upon the extreme upper end and the intermediate portion and horizontally disposed in vertical alinement with each other.

The movable or skein supporting portion of the device comprises a pair of arms 10 which are identical in construction each of

which includes a pair of similar sections 11 and 12. These sections 11 and 12 are identical in construction and each is formed from a single length of wire 13 having one end looped as shown at 14 and having its other end portion bent backwardly upon itself as shown at 15 for purposes of reinforcement and then extended upwardly as shown at 16 to provide a vertical arm. The sections 11 and 12 of the arms 10 are slidably associated by the engagement of the loops 14 about the wires 13 as clearly shown in the drawing.

In order that the arms 10 may be supported upon the member 5, I provide a spindle 17 upon which is rigidly secured a disk 18 with which coöperates a washer 19 engaged by a clamping nut 20 disposed upon the upper threaded end of the spindle 17.

The parts of the device are assembled as follows. The supporting member 5 is applied to a table or shelf by engaging the clamping portion 7 thereof upon the edge of the table, after which the spindle 17 is inserted through the loops 8 and 9, whereupon the disk 18 will be disposed upon the top of the upper loop 8. It is understood of course that the nut 20 and washer 19 are at this time disengaged from the spindle. One arm 10 is then placed with the wires 13 of its sections disposed upon the disk 18 in straddling relation to the spindle 17. The other arm 10 is then disposed upon the first arm at right angles thereto with its wires also straddling the spindle 17, after which the washer 19 is placed in position and the nut 20 engaged upon the threaded end of the spindle and screwed firmly onto the washer 19 to hold the parts firmly clamped together. It will of course be understood that in some instances, or whenever desired, only one of the arms 10 need be placed in position between the disk 18 and washer 19.

In the use of the device, it will be obvious that a skein of yarn, twine, or thread or other material to be wound onto a ball is engaged over the vertical arms 16 to be held thereby in extended position. The outwardly bent extreme upper ends 21 of the vertical arms 16 will prevent the skein from slipping off upwardly and the horizontal portions 15 at the ends of the arms

10 will prevent the skein from slipping
downwardly. When the yarn or other ma-
terial is thus disposed upon the device, it
may be readily wound therefrom and onto
5 a ball, the arms 10 and the spindle 17 ro-
tating with the loop 8 serving as a bearing
for the disk 18. It will be noted that the
slidable adjustment of the sections of each
arm toward and away from each other per-
10 mits the arms to be extended to hold the
skein taut and also permits adjustment of
the device to accommodate skeins of differ-
ent sizes. It will also be noted that the
skein holding arms assembled upon the
15 spindle may be bodily removed from the
supporting member 5 without removing the
supporting member 5, if desired.

From the foregoing description and a
study of the drawing it will be apparent
20 that I have thus provided a very simple
and inexpensive device whereby skeins of
yarn, string, thread or other material may
be supported in properly extended positions
while the yarn or other material is being
25 wound therefrom onto a ball, spool or other-
wise.

Having thus described the invention what
I claim is:—

A device of the character described com-
prising a supporting member formed from 30
a single length of wire bent and twisted
intermediate its ends to provide a vertically
extending portion, the terminal portions of
said wire being formed to provide clamping 35
means engageable with the edge of a table,
said wire being so twisted as to provide
loops at the extreme upper end and inter-
mediate portion of said vertical portion, a
spindle rotatable within said loops, a disk 40
formed on said spindle and resting upon the
top of the uppermost loop, pairs of hori-
zontally disposed supporting arms disposed
upon said disk, the opposite ones of said
arms being slidably engaged and having 45
their inner ends coiled about each other to
form guides, and a washer clamped upon
said spindle and holding said arms rigid
in respect to said disk, said spindle and
arms being bodily removable as a unit from
engagement with said loops. 50

In testimony whereof I affix my signature.
JAMES MAGNUSEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."