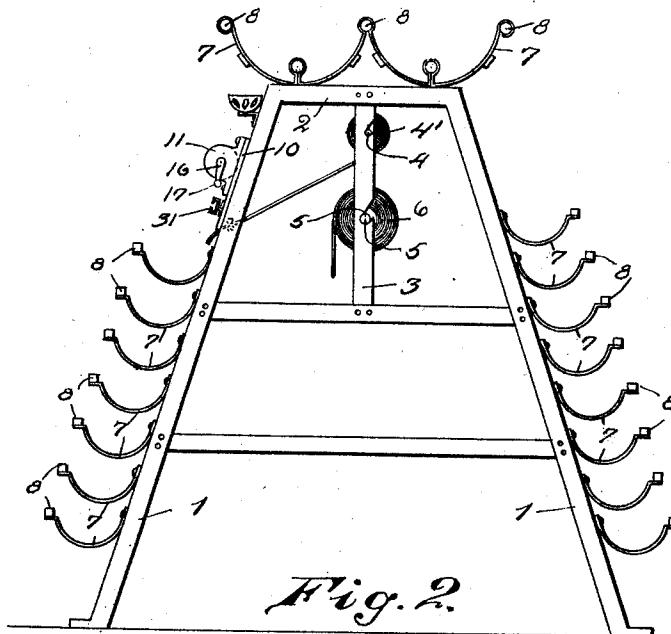
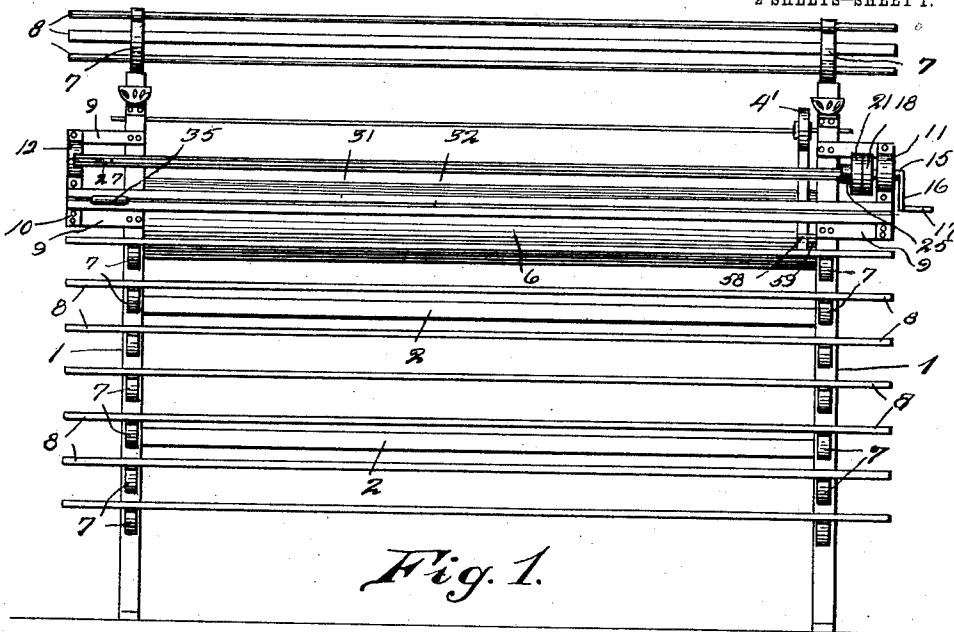


G. W. THERIEN & O. R. ZOLL.
 COMBINED DISPLAY, MEASURING, AND CUTTING DEVICE.
 APPLICATION FILED JUNE 16, 1911.

1,040,054.

Patented Oct. 1, 1912.

2 SHEETS—SHEET 1.



Inventors

Witnesses

J. Milton Foster.
 B. H. Kuhlman

By

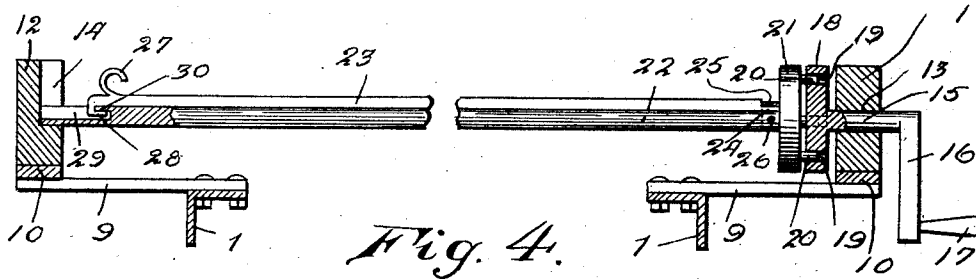
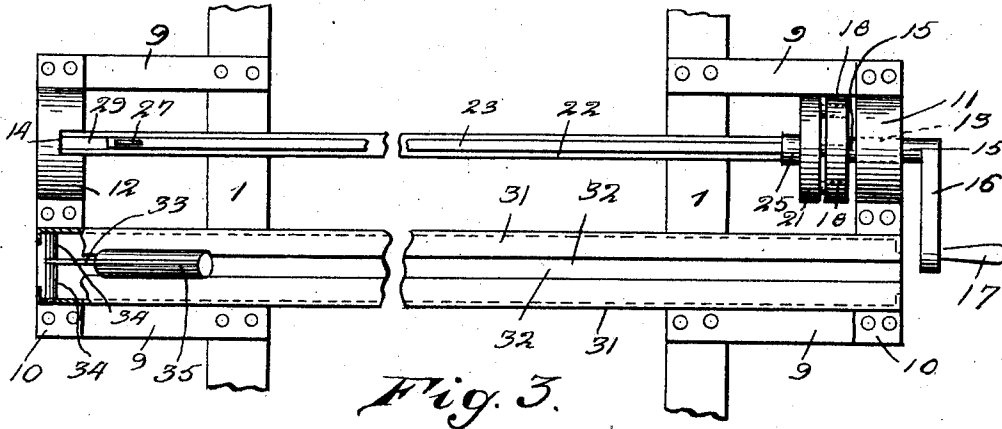
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2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE W. THERIEN AND OLIVER R. ZOLL, OF ST. ANNE, ILLINOIS.

COMBINED DISPLAY, MEASURING, AND CUTTING DEVICE.

1,040,054.

Specification of Letters Patent.

Patented Oct. 1, 1912.

Application filed June 16, 1911. Serial No. 633,509.

To all whom it may concern:

Be it known that we, GEORGE W. THERIEN and OLIVER R. ZOLL, citizens of the United States, residing at St. Anne, in the county of Kankakee and State of Illinois, have invented certain new and useful Improvements in Combined Display, Measuring, and Cutting Devices, of which the following is a specification.

The present invention relates to a device for holding rolls of oil-cloth or the like on display and to quickly and easily cut from a certain roll a desired number of yards of the oil-cloth.

An important object of this invention is to provide a novel reel having simple means for detachably securing material to the same.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same, Figure 1 is a side view of the apparatus complete, Fig. 2 is an end view of the same, Fig. 3 is an enlarged side view of the reel and cutting mechanism, parts thereof being broken away, and, Fig. 4 is a similar view of the reel, parts being shown in section.

In the drawings wherein for the sake of illustration, we have shown a preferred embodiment of our invention, the numeral 1 designates end pieces or standards of a display rack, connected by horizontal bars 2. The end pieces 1 include vertical bars 3, provided with sockets, for rotatably holding shafts 4 and 5. The shaft 4 supports a roll of measuring tape 4', while the shaft 5 supports a roll of paper 6. The end pieces 1 carry holding or supporting brackets 7, connected with horizontal rods 8. These holding brackets receive the rolls of oil-cloth.

Rigidly attached to the end pieces 1 near their upper ends and upon corresponding sides, are spaced bars 9, each pair of which is connected at the outer ends by a bar 10. Upon the bars 10 are rigidly mounted bearings 11 and 12, the bearing 11 having a central opening 13 and the bearing 12 being provided with a socket 14. Journaled within the opening 13 is a crank-shaft 15, carrying at its outer end a crank 16, which is provided with a handle 17. At its inner end the crank-shaft 15 has rigid connection with a disk 18, provided with a suitable number of

openings 19, to receive a corresponding number of pins 20, which are rigidly mounted upon a co-acting disk 21. The disk 21 is rigidly connected with one end of a reel 22, the opposite end of which is adapted to be removably journaled within the socket 14. Means are provided to detachably connect the oil-cloth to the reel 22, such means being in the form of a longitudinally movable clamping-rod 23, having one end thereof reduced, as shown at 24, to fit within a sleeve 25, which is attached to the reel 22 adjacent the disk 20, by means of a pin 26. The opposite end of the clamping-rod 23 is provided with an outwardly extending hook 27, to be engaged by the operator, when the clamping rod is to be moved longitudinally. The clamping rod is also provided at this end with an inwardly extending hook 28, adapted for insertion within a longitudinal recess 29 and to be moved into an under-cut opening 30 of such recess.

Disposed below the reel 22 is cutting mechanism, comprising a horizontal track 31, having a longitudinal slot 32, within which is disposed to operate a movable blade 33. This blade is properly held in the track by guide elements 34, suitably attached to the inner end thereof. A handle 35 is attached to the outer end of the blade.

In the use of the device, the selected roll of oil-cloth is placed in the holding brackets 7 below and adjacent the reel 22. The clamping rod 23 is now removed by a longitudinal movement and after the free end of the roll of oil-cloth is placed upon the reel 22, such clamping rod is returned to its normal position, to securely detachably connect the oil-cloth with the reel. In a similar manner the free end of the tape 4' is secured to the reel. The reel is now turned and after a desired amount of the oil-cloth has been wound thereon, is stopped, subsequently to which the blade 33 is moved longitudinally to cut the oil-cloth. The paper 6 has its free end connected with the oil-cloth which is wound on the reel, whereby upon further turning of the reel such oil-cloth will be properly wrapped by the paper. The roll is now tied and is next removed. This is accomplished by that end of the reel 22 which fits in the socket 14 being removed from such socket, subsequently to which the disks 18 and 21 may be separated. Attention is called to the fact that the crank-shaft and disk 18 are capable of restricted longi-

tudinal movement away from the disk 21, which renders the separation of the two disks easy. The operator next takes hold of the hook 27, and thus moves the clamping
5 rod 23 longitudinally out of the roll of oil-cloth which has been wound on the reel 22. The reel may now be removed.

Having thus described our invention, we claim:—

10 In combination, a supporting structure comprising spaced bearings, a crank journaled through one bearing and having restricted longitudinal movement in addition to its free rotary movement, a disk rigidly
15 connected with the inner end of the crank and provided near its periphery with openings, a co-acting disk having a corresponding number of pins for removable insertion in the openings to lock the two disks to-
20 gether with respect to rotary movement, a

reel rigidly attached to the last named disk and having its opposite end removably mounted in an opening formed in the other bearing, said reel being provided at such
25 opposite end with an axial opening extending at its inner end under a shoulder of the reel, a clamping rod having one end provided with an inwardly extending hook to fit below said shoulder and with an out-
30 wardly curved engaging element, the opposite end of the clamping rod being reduced, and a ring connected with the reel adjacent the inner disk to receive such reduced end.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE W. THERIEN.
OLIVER R. ZOLL.

Witnesses:

W. E. MARDEN,
E. C. CORKINS.

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