

L. D. BROOKS.
ADJUSTABLE GAGE FOR SAWING MACHINES.
APPLICATION FILED OCT. 4, 1913.

1,092,518.

Patented Apr. 7, 1914.

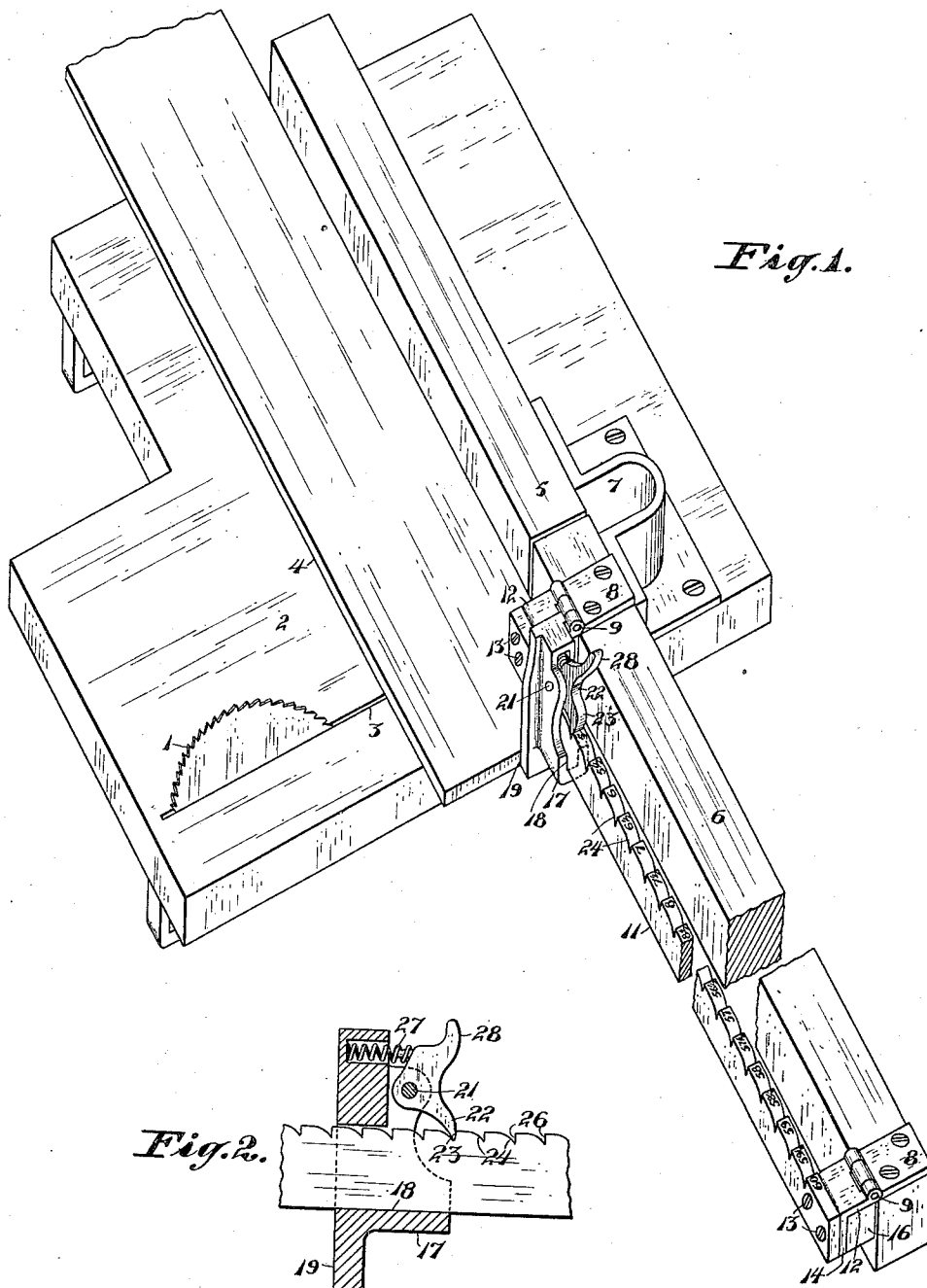


Fig. 2.

WITNESSES:

H. C. Fiedner
G. M. Ball

INVENTOR,
Leon D. Brooks

BY *Francis M. Wright,*
ATTORNEY

UNITED STATES PATENT OFFICE.

LEON D. BROOKS, OF SAN FRANCISCO, CALIFORNIA.

ADJUSTABLE GAGE FOR SAWING-MACHINES.

1,092,518.

Specification of Letters Patent.

Patented Apr. 7, 1914.

Application filed October 4, 1913. Serial No. 793,396.

To all whom it may concern:

Be it known that I, LEON D. BROOKS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Adjustable Gages for Sawing-Machines, of which the following is a specification.

The object of the present invention is to provide a simple and convenient adjustable gage for use in connection with a sawing machine, by which a board may be cut up into pieces of any length desired.

In the accompanying drawings, Figure 1 is a perspective view of my improved gage, showing also a portion of the sawing machine; Fig. 2 is a broken vertical sectional view of the same.

Referring to the drawings, 1 indicates a circular saw, and 2 is a carriage, movable in a direction parallel with the plane of the saw, and having a slot 3 to receive said circular saw in the movement of the carriage. Upon this carriage the board 4 to be cut up into short pieces is placed so that its rear side edge abuts against stops 5 and 6, secured on the table in alinement with each other, and with their adjacent ends spaced a short distance on opposite sides of said slot 3, said stops being connected to the rear of said ends by a casting 7 secured to the carriage.

Rear straps 8 of hinges 9 are secured on the outer stop 6, and a rack 11 is secured to the front straps 12 of said hinges by screws 13, which pass through terminal portion of said rack, then through downwardly bent portions 14 of said front straps 12 of the hinges, and then through rectangular blocks 16, which, in the lower portion of said front straps 12, abut against the front side of the

stop 6. On said rack is slidably supported a gage 17, which has a slot 18 through which the rack extends, a portion of said gage depending below the rack having a face 19 against which an end of the board may abut. Pivoted, as shown at 21, on said gage is a dog 22 having a tooth 23 which is adapted to enter any one of a series of notches 24 in the upper edge of said rack, each notch having, remote from the carriage, a square shoulder 26, said tooth being adapted to be pressed down into said notch by a spring 27 engaging the dog, but being capable of being released from said notch by a finger piece 28.

The notches are spaced apart a convenient distance, as one-half inch, and it is thus apparent that the gage can very quickly and with very little trouble be adjusted to cut a board into pieces of different lengths.

When it is desired to cut off from a board pieces of greater lengths than the distance between the slot 3 and the remote end of the rack, the rack is swung back on its hinges so as to be out of the way.

I claim:—

In combination with a carriage for a saw, a side edge stop secured thereon for a board, a rack pivotally supported by said stop having suitably spaced notches, a gage slidable upon, and depending below, said rack, and a dog movably carried by said gage and adapted to engage any one of said notches.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LEON D. BROOKS.

Witnesses:

FRANCIS M. WRIGHT,
D. B. RICHARDS.