

(No Model.)

A. SCHEID.  
SHEDDING MECHANISM FOR LOOMS.

No. 550,459.

Patented Nov. 26, 1895.

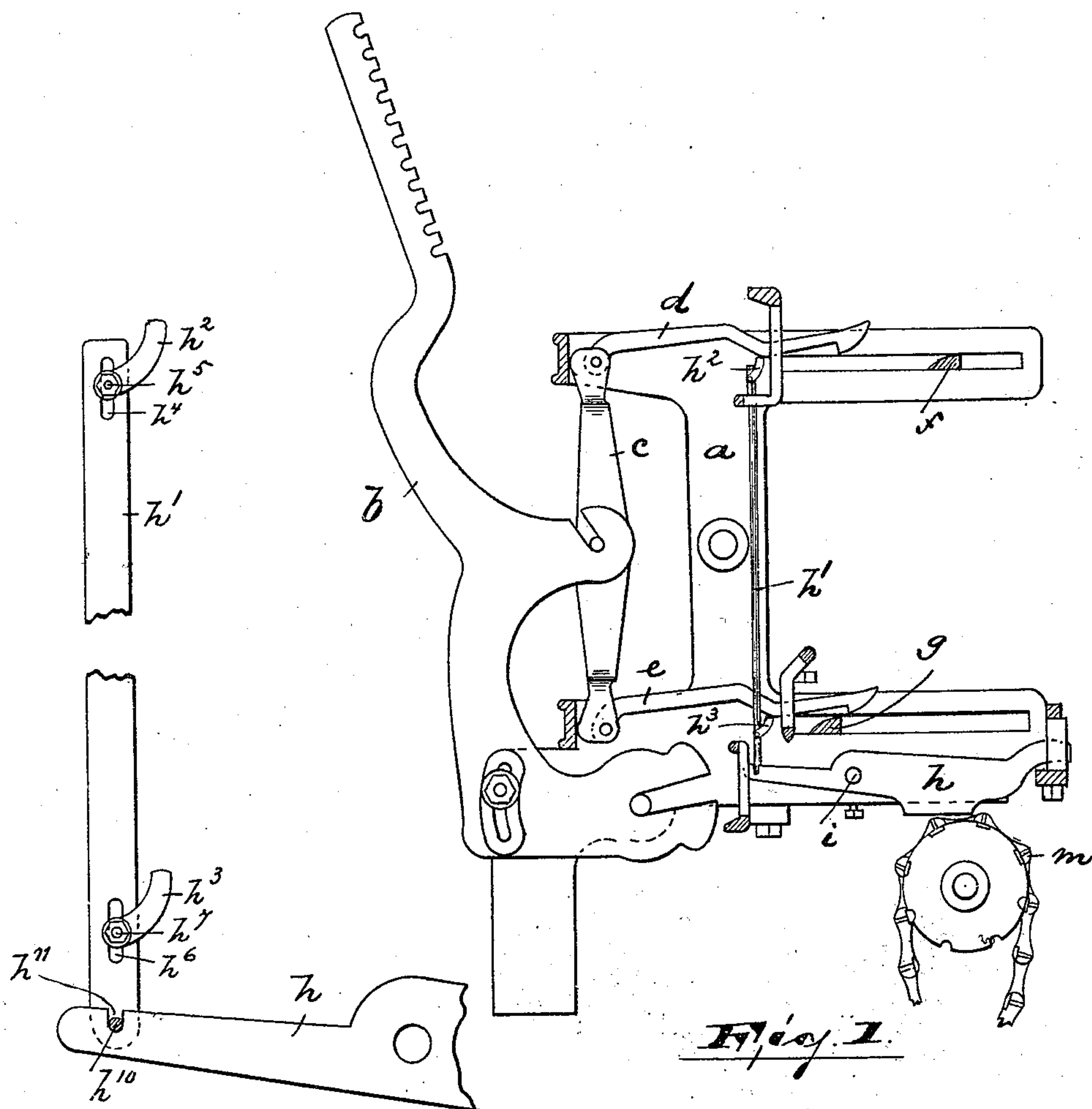


Fig. 1.

Fig. 2.

WITNESSES:

INVENTOR.

Duncan M. Robertson.  
Romolo Bottelli

Adam Scheid

BY

Partner & Co

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ADAM SCHEID, OF HARRISON, ASSIGNOR TO ROBERT ATHERTON, OF  
PATERSON, NEW JERSEY.

## SHEDDING MECHANISM FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 550,459, dated November 26, 1895.

Application filed June 20, 1895. Serial No. 553,405. (No model.)

*To all whom it may concern:*

Be it known that I, ADAM SCHEID, a citizen of the United States, residing in Harrison, Hudson county, and State of New Jersey, have  
5 invented certain new and useful Improvements in Shedding Mechanism for Looms; and I do hereby declare the following to be a full, clear, and exact description of the invention; such as will enable others skilled in the art  
10 to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

15 The object of this invention is to provide adjustable means for supporting and operating the hooked jacks in a dobby of ordinary construction.

20 The invention consists in the improved jack-operating mechanism, its adjustable supporting-arms, and in the various parts thereof, substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

25 Figure 1 is a side elevation of a dobby provided with my improvements, and Fig. 2 an enlarged detail view of one of the hooked jacks operating-levers and its adjustable supporting-arms.

30 The frame *a*, the harness-lever *b*, the connector *c*, the hooked jacks *d* and *e*, and the lifters *f* and *g* are of the well-known usual construction. The lifting-lever *h*, pivoted as  
35 at *i* to the frame *a* and operated by the pattern-surface *m* in the usual manner, is provided at or near its inner end with an upwardly-extending rod *h'*, the horizontally-arranged pin *h<sup>10</sup>* of arm *h'* resting in the vertical slot *h<sup>11</sup>* of lever *h*. Near the upper end of  
40 said rod *h'* is arranged an elongated vertical slot *h<sup>4</sup>*, in which is adjustably secured, by means of bolt and nut *h<sup>5</sup>*, or in any other desired manner, the arm *h<sup>2</sup>*, adapted to bear on the under side of the upper hooked jack *d*.  
45 In the lower portion of the rod *h'* is also arranged an elongated vertical slot *h<sup>6</sup>*, in which is adjustably secured, by means of bolt and nut *h<sup>7</sup>*, the arm *h<sup>3</sup>*, which latter bears against the under side of the lower hooked jack *e*.

50 It is a well-established fact that the ordinary supporting means for the hooked jack, during

the frequent usage of the dobby, get worn off very rapidly and must be substituted by new ones from time to time to insure a perfect operation of the machine. This I have avoided  
55 by arranging the arms *h<sup>2</sup>* and *h<sup>3</sup>*, supporting the hooked jacks, adjustable on the carrying or supporting rod *h'*. As soon as the top portion of the said arms is worn off the nuts of the bolts *h<sup>5</sup>* and *h<sup>7</sup>* are loosened and the arms  
60 slid upward and turned outward in their respective slots to the height and position required, and the nuts are then again tightened up.

I do not intend to limit myself to the precise construction shown and described, as  
65 various other means can be employed to answer for the above purpose without changing the scope of my invention.

Having thus described my invention, what  
70 I claim as new, and desire to secure by Letters Patent, is—

1. In a dobby, the combination with the upper and lower hooked jacks and with the pattern surface, of a lifting lever acted upon  
75 by said pattern surface, a vertically arranged rod supported by said lifting lever and provided with an upper and lower elongated vertical slot, and an arm adjustably arranged in each of said slots and adapted to support the  
80 upper and lower hooked jacks respectively, substantially as and for the purposes described.

2. In a dobby, the combination with the harness lever, the connector attached thereto,  
85 the upper and lower hooked jacks pivotally secured to the said connector, the lifters to engage and move the jacks, the lifting lever, a vertically arranged rod supported by said  
90 lifting lever and provided with an upper and lower elongated vertical slot, means adjustably arranged in said slots and adapted to support the said hooked jacks, and means to operate the lifting levers, all said parts substantially as and for the purposes described.  
95

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of May, 1895.

ADAM SCHEID.

Witnesses:

ALFRED GARTNER,  
WM. D. BELL.