

(No Model.)

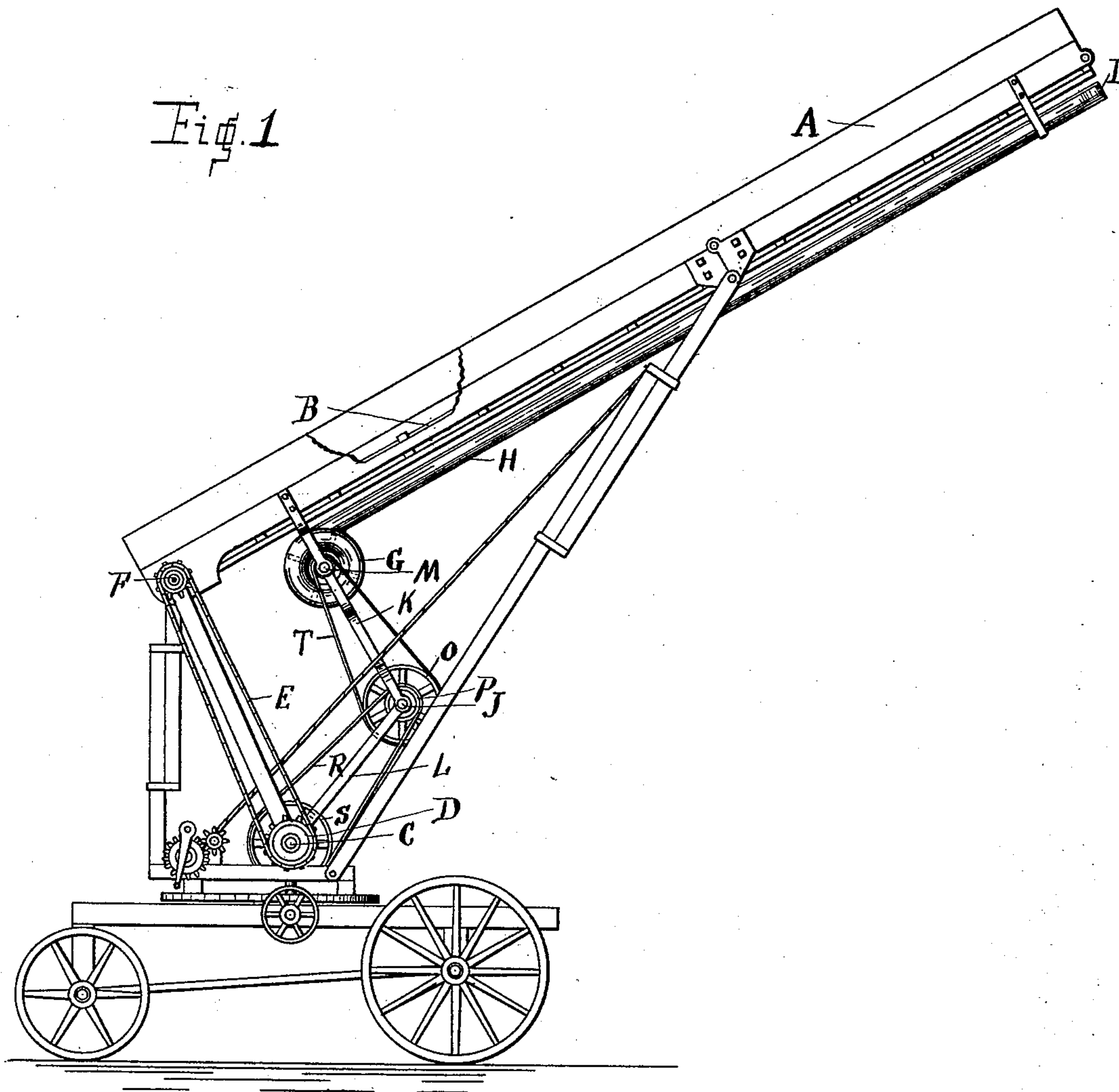
2 Sheets—Sheet 1.

M. T. REEVES.
STRAW STACKING MACHINE.

No. 517,530.

Patented Apr. 3, 1894.

Fig. 1



WITNESSES:
A. M. Hood.
Mabel A. Hood

INVENTOR
Marshal T. Reeves.
BY
H. P. Hood.
ATTORNEY.

(No Model.)

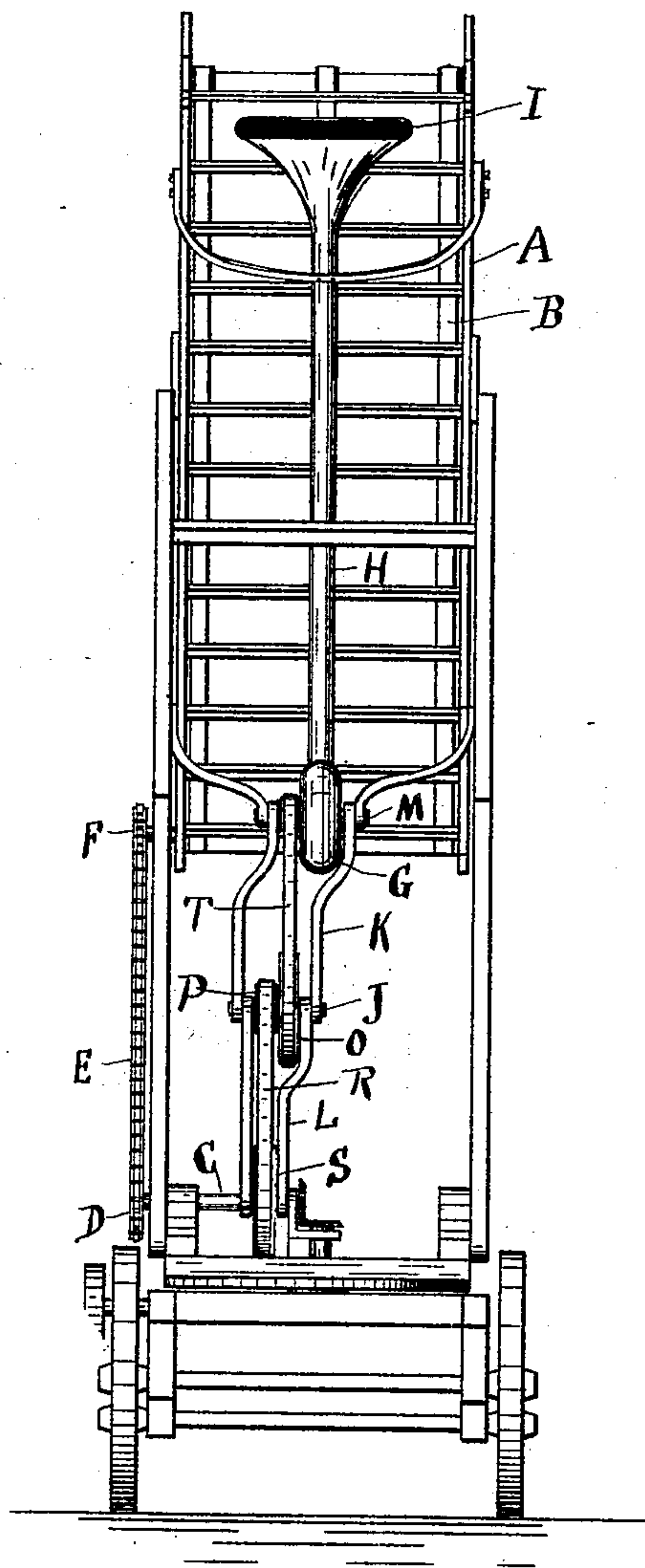
2 Sheets—Sheet 2.

M. T. REEVES.
STRAW STACKING MACHINE.

No. 517,530.

Patented Apr. 3, 1894.

Fig. 2.



WITNESSES:
A. M. Hood.
Mabel V. Hood.

INVENTOR
Marshal T. Reeves
BY W. P. Hood,
ATTORNEY.

UNITED STATES PATENT OFFICE.

MARSHAL T. REEVES, OF COLUMBUS, INDIANA, ASSIGNOR TO REEVES & CO., OF SAME PLACE.

STRAW-STACKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 517,530, dated April 3, 1894.

Application filed July 31, 1893. Serial No. 481,933. (No model.)

To all whom it may concern:

Be it known that I, MARSHAL T. REEVES, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Straw-Stacking Machine, of which the following is a specification.

My invention relates to an improvement in straw-stacking machines.

The object of my improvement is, to employ, in connection with the ordinary well known endless-belt straw-carrier of a stacking-machine, an air-blast for the purpose of assisting in distributing the straw as it is delivered by the carrier to the stack.

The accompanying drawings illustrate my invention.

Figure 1 represents a side elevation of a straw-stacking machine, of well known form, having my improvement. Fig. 2 represents a front elevation of the same.

In the drawings, A, indicates the straw-chute which is traversed by the endless-belt, B, in the usual well known manner. Said belt is driven by means of the driving-shaft, C, sprocket-wheel, D, chain-belt, E, and sprocket-wheel, F. For the purpose of assisting in distributing the straw as it falls from the outer end of the straw-chute, I mount, beneath the chute, the blast-fan, G, from which the air-tube, H, extends to the outer end of the chute. The discharging end of said tube is preferably provided with a widened mouth, I. Said blast-fan is driven by means of a train of belts and pulleys which connect it with the driving shaft of the machine. The form of such train which I have illustrated, consists of a counter-shaft, J, mounted in a pair of jointed hangers, K, and, L, which are pivoted respectively on the fan-shaft, M, and the driving-shaft, C. Said counter-shaft carries pul-

leys, O, and, P, one of which is connected by belt, R, to the pulley, S, mounted on the driving shaft and the other of which is connected by belt, T, with the driving pulley of the blast-fan. By this construction the tension of the driving-belts is not affected by the raising and lowering of the straw-carrier.

In operation, the straw, being delivered from the thrasher upon the lower end of the straw-chute, is carried, by means of the belt B, to the opposite end of the chute, from whence the straw, falling across the mouth of the air-tube H, is projected by the blast therefrom to a considerable distance from the chute.

I claim as my invention—

1. In a straw-stacking machine, the combination with the straw-chute, of an endless-belt carrier arranged to traverse the straw-chute, whereby the straw is carried along the chute, and means for forming an air-blast adjacent to the discharging end of the straw-chute, whereby the straw is projected therefrom after leaving the carrier-belt, substantially as set forth.

2. In a straw-stacking machine, the combination of the straw-chute, the endless-belt carrier arranged to traverse said chute, the blast-fan and the discharge-tube therefrom suspended from said chute, the jointed hangers carrying at their joint a counter shaft and pivoted respectively to a shaft of the stacking-machine and to the shaft of the blast-fan, and a train of pulleys and belts connecting said shafts of the machine and blast-fan, all combined and arranged to co-operate substantially as and for the purpose set forth.

MARSHAL T. REEVES.

Witnesses:

C. S. WAX,
WM. JETT.