7442X

S. Newton.

Sheet 1. 2 Sheets.

Printing Press.

No

Patented Feb. 26. 1833.

FIG. 1.

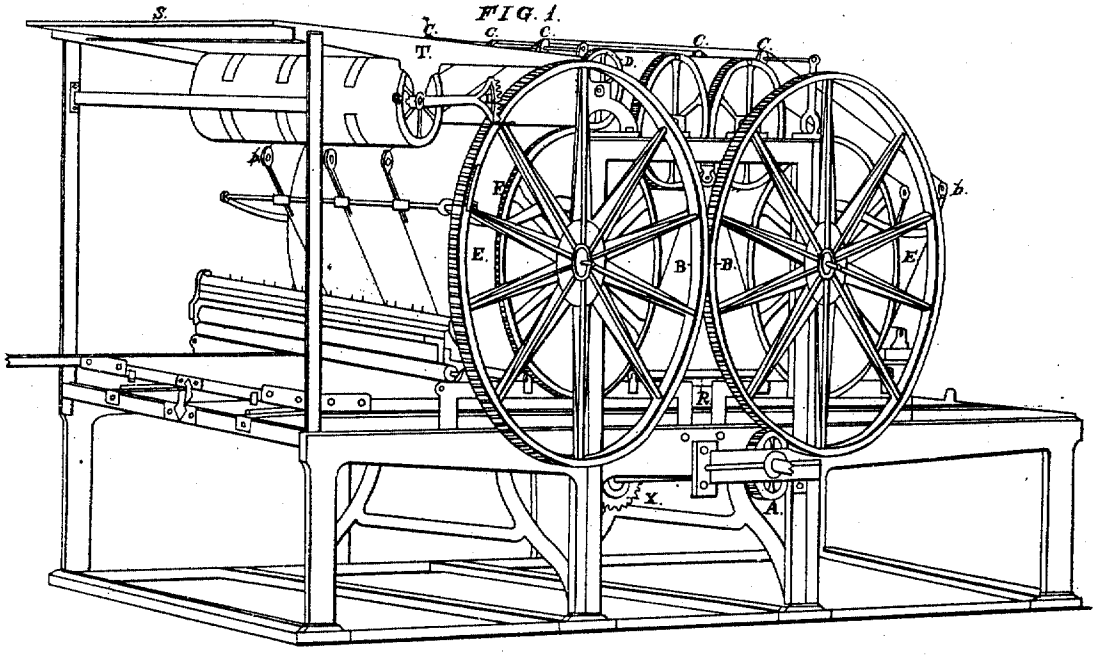
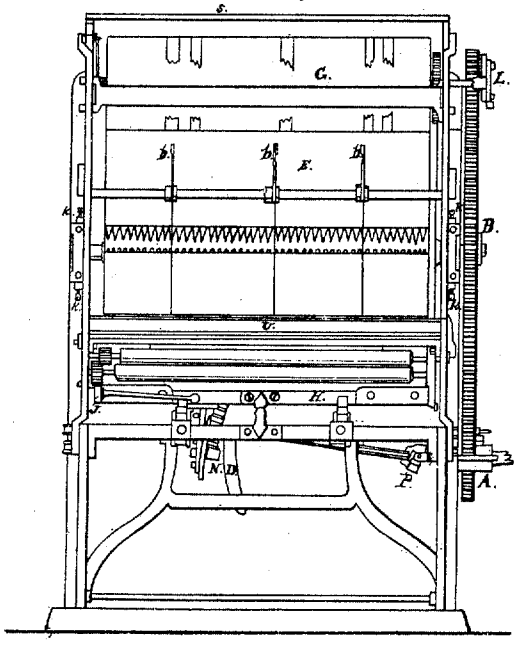


FIG. 3.



7442X

S. Newton.

Sheet 2. 2 Sheets.

Printing Press.

No.

Patented Feb. 26. 1833.

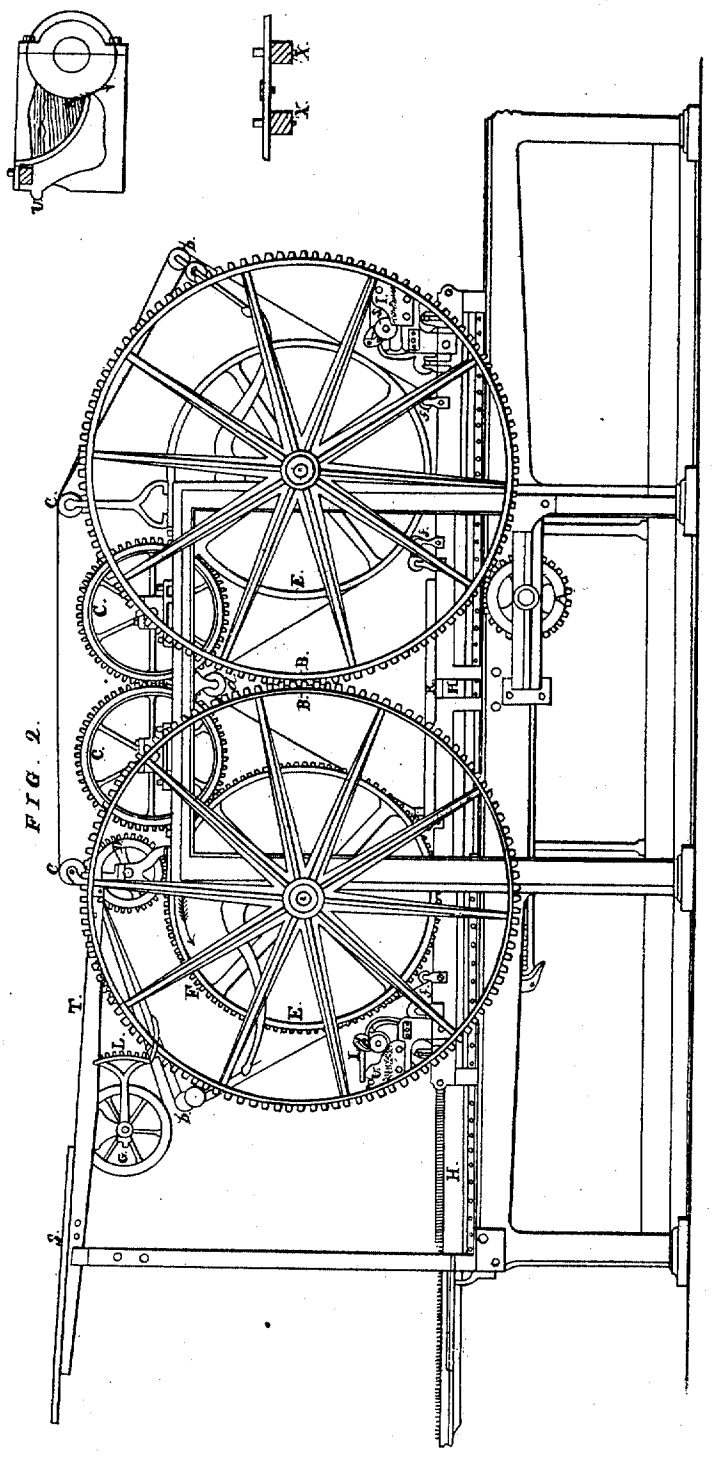


FIG. 2.

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Johnson Newton
Letters Patent

The Schedule referred to in these Letters Patent consisting of one sheet of drawings and a specification in the name of the said Johnson Newton himself his assignees or his Printing Press Dominated the Improved Double Cylinder Register Printing Press

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To all whom it may concern

Be it known that I Johnson Newton of the City of the York have made certain Improvements in the printing press by a new arrangement & combination of the parts of the Double Cylinder printing press which I improvements I denominate the Improved Double Cylinder Register Printing Press And I do hereby declare that the following is a full & particular description of the said improvements reference being had to the drawings which accompany this specification the Improved Printing press Fig 1 is a perspective view of the press Fig 2 a side view of Fig 3 an end view showing the inking apparatus

In each of these figures corresponding parts are designated by the same letters. Many of these parts are such as are already known & used in the cylinder printing presses of England & of this Country & are not therefore claimed as my inventions but are pictured in the figures for the purpose of explaining more fully the nature of my improvements. B B are two large iron cylinders placed at a suitable distance from each other with their shafts resting on bearings in the frame work of the machinery. The toothed wheels D D attached to one end of these cylinders & are connected with them they are equal in size & of such diameter as to mesh into each other. H H are two metal bars for supporting the forms which are connected together by an iron connecting piece in their underside which regulates their distance from each other. They are moved backward & forward by means of a crank & pinion in the same manner as in the well known Napier printing machine. The sheets are printed by the pressure of the cylinders B B as the two forms pass over the bars H H. The pressure against them is produced by the toothed wheels D D one of the cylinders

7442X

cylinder B of about the same circumference with it. The teeth engage into those of the wheel D on the cylinder D and into those of the wheel C on the cylinder C, which turns the cylinder C. Round the cylinder C C, fig. 2. is a band which conveys the silver from the hopper H. to the cylinder E. underneath it receives its first impression. I. is a segment which is attached to the frame of the machine G, which is cutt only at some forming segments round on the circumference of the wheel B. K. is a spring fastened to the frame which is turned by the pressure of the teeth of the wheel B. as the machine moves. The feeding & taking machine C.C. fig. 2. keeps constantly the edges of these sheets of the same size back to one another as they come from the hopper H. is the back board on which the sheets of paper to print lie when the sheets are conveyed to F. to be smoothed in preparation to the cylinders, to be printed afterwards on the board R. The box under the number of communicating position to them the inking [illegible] VV the whole on the same principle as those employed in the Napier press. The grooving of the driving wheel A. of the two large cylinders which fit as well of the cylinders D D. V. G. the mode of using the paper and some other parts, are the same in principle with those machines in use in England & elsewhere & known under the name of Napier & Applegath printing machine.

What I claim as new in my press is the combining that part of the Napier printing machine which constitutes the hopper & passages with the cylinders & such other parts of the superstructure of the Napier & Applegath printing press as are employed in the receiving & conveying of the sheets

Witness Richard Beck
Thos. P. Jones
Chas. Ballpick Jr.

Thomas Nevins

(Dr in portfolio.)