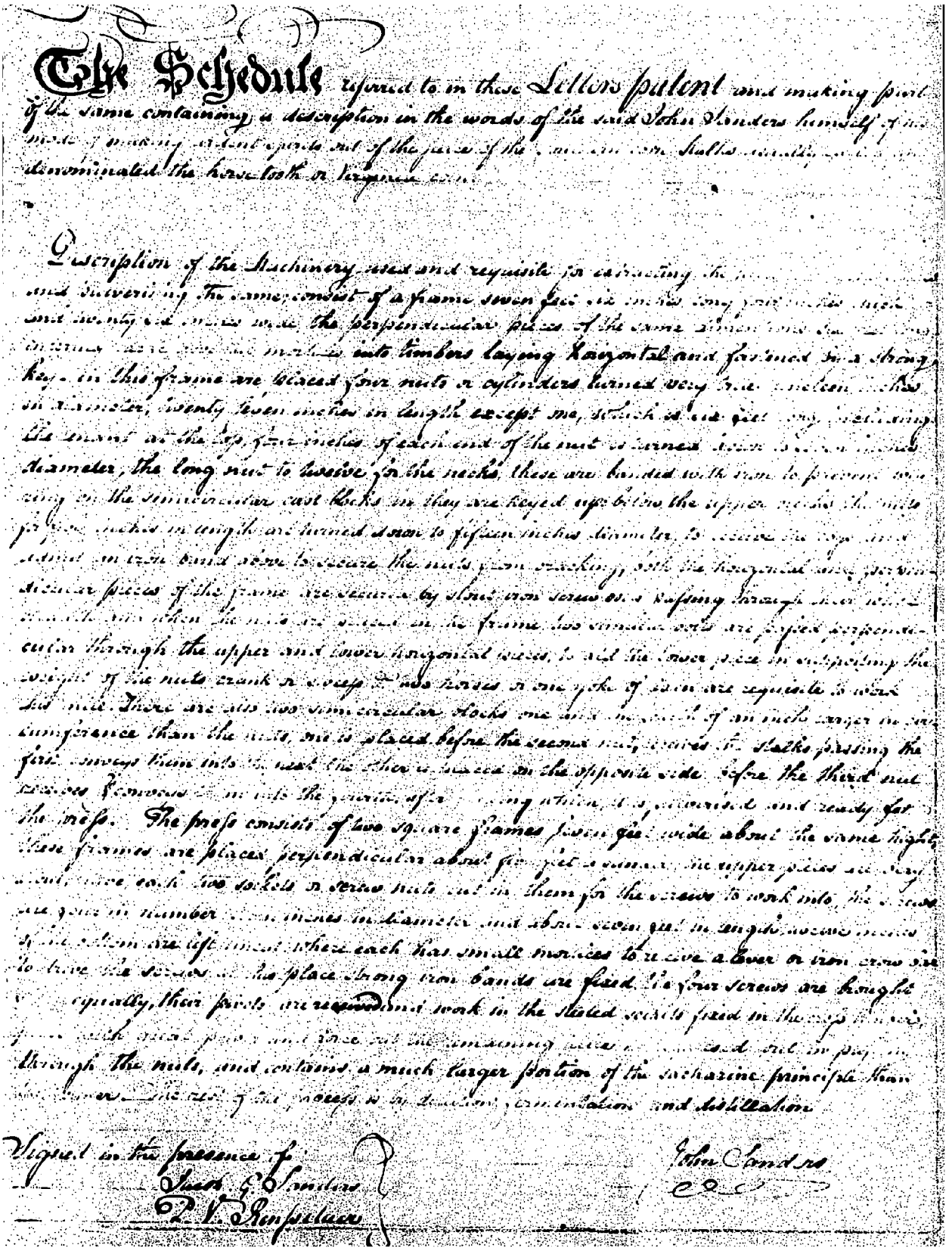
(12) **United States Patent**
Sanders

(10) **Patent No.: X1432**
(45) **Date of Patent: Feb. 7, 1811**

(54) **DISTILLING SPIRITS FROM CORN STALKS**

(76) Inventor: **John Sanders**



The Schedule referred to in these Letters patent and making part of the same containing a description in the words of the said John Sanders himself of the mode of making and putting up of the pieces of the machine for Sugar Mills commonly denominated the horse mill or Ingenio &c.

Description of the Machinery used and requisite for extracting the juice [illegible] and delivering the same consist of a frame seven feet six inches long four inches wide and twenty one inches wide the perpendicular pieces of the same frame [illegible] mortices into timbers laying horizontal and formed in a strong key. in this frame are placed four nuts or cylinders turned very true [illegible] in diameter, twenty seven inches in length except the [illegible] the journals at the top five inches of each end of the nut is turned down to [illegible] diameter, the long nut to receive in the necks these are bonded with iron to prevent [illegible] by the circumference cut Racks in them are keyed upon below the upper journals the nuts [illegible] inches in length are turned down to fifteen inches diameter to receive the cogs [illegible] in their bond more because the nuts from working with the horizontal wheel perpendicular pieces of the frame are secured by strong iron screws or a passing through these [illegible] the nuts are placed in the frame two circular cogs are keyed perpendicular through the upper and lower horizontal wood to aid the force given in employing the weight of the nuts crank & sweep & two horses or one yoke of oxen are requisite to work said mill. There are also two circular Racks one [illegible] of an inch larger in circumference than the nuts one is placed before the second [illegible] stalks passing the first sweep from into the next the other is placed on the opposite side before the third and receives & conveys the stalks from the [illegible] and ready for the press. The press consists of two square frames seven feet wide about the same height these frames are placed perpendicular about five feet asunder the upper pieces are [illegible] three each two inches & seven eighths in diameter and about seven feet in length [illegible] are four in number [illegible] inches in diameter and about seven feet in length [illegible] of the [illegible] are left smooth where each has small mortices to receive a bar or iron crow [illegible] to have the screws in the place along iron bands are fixed the four screws are brought [illegible] equally, their pivots are received and work in the slated sockets fixed in the [illegible] from which three pivots and three of the remaining nuts are turned and all on pivots through the nuts, and contains a much larger portion of the saccharine principle than [illegible] the process is by [illegible] evaporation and distillation.

Signed in the presence of

Thos. E. Smith

P. V. Rensselaer

John Sanders