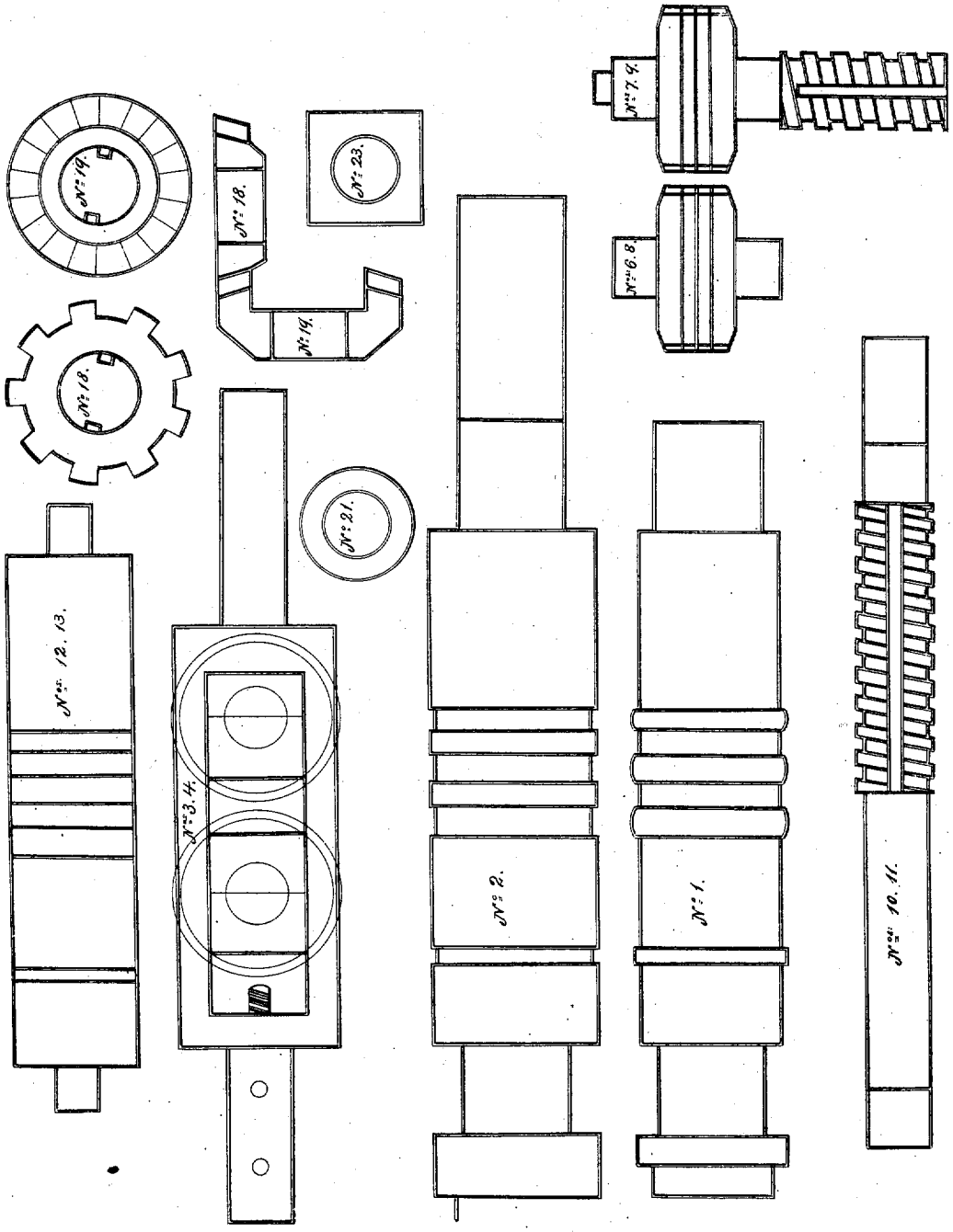
6083X

G. STOUDINGER.

Rolling Metal Bars.

2 Sheets—Sheet 1.

Patented July 17, 1830.



N. PETERS. Photo-Lithographer. Washington, D. C.

No Printed Specification Available

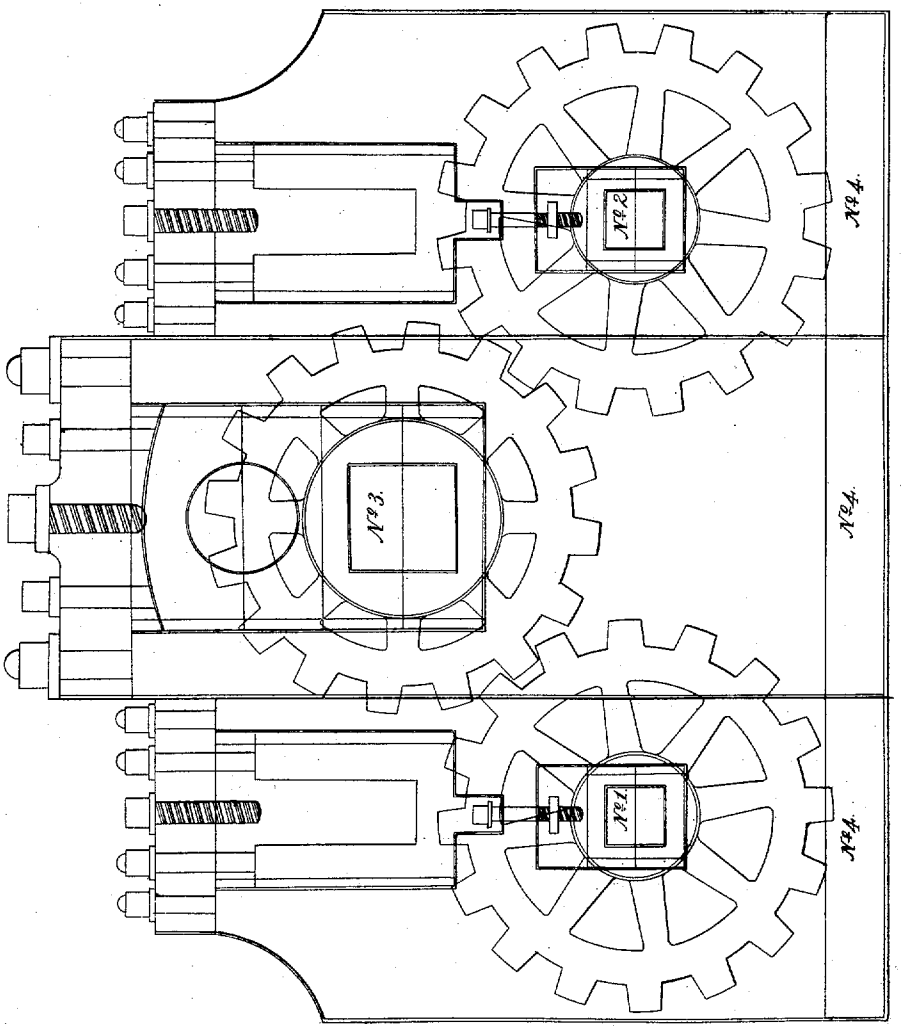
2 Sheets—Sheet 2.

6083X

G. STOUDINGER.

STEEL ROLLING MILL.

Patented July 17, 1830.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

July 17 1830

George Stredinger Newark et. al.

Letters Patent. X6083

The Schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said George Stredinger himself, of his improvement in the steel rolling mill, for middling and edging spring steel for carriage springs.

To all to whom these presents shall come

Be it known that I, George Stredinger of Newark in the County of Essex and State of New Jersey, have invented a new and useful improvement in the steel rolling mill for middling and edging spring steel for carriage springs, and that the following is a full and exact description of the construction and operation of the said Machine, as invented or improved by me.

No. 1, is a top horizontal roller with corresponding projections to middle out the steel, and said roller to raise and lower with four screws through the caps. with one cog wheel on the end of it.

No 2. is a bottome horizontal roller with square grooves in, on the square end of this roller are two cog wheels; said rollers are to roll steel from one inch up to three and wider if required. No 3d, are formers in which the moveable perpendicular edging rollers are fastened; they move sideways so as to come opposite the grooves in the horizontal rollers No. 1 & 2, and raise & lower so that the grooves in the edging rollers come opposite those in the horizontal rollers by screws through the ends; said formers are made in two pieces with sliding boxes, with screws in the ends of the formers. No 3. formers belong two each pair of

X6083

To render or remove the edging rollers in the 3d & 4th Nos. are suspended edging rollers with three wheels on to one roller in first & second & one wheel on with two tightening- in each of these rollers are three grooves to engage the steel from No 1 up to No 3 wire gague. No. 5 is the same as No 3. No. 6 is a horizontal shaft with a cog wheel on the outside of the frame and in the inside of the frame is a smooth cog wheel with two tightening nuts, which raises the suspended rollers. No. 11 is the same as No 10. Nos. 12 & 13 are guides for the plates to pass through.

All of said machine is made of cast iron except brass which are of brass.

The manner of using the foregoing improved machine is by passing the steel in the edging rollers and then passing it through the middling rollers and then through another pair of edging rollers.

The rollers are all driven by cog wheels, and when the plates come out after passing through they are in a finished state, both edged and middled out.

Accompanying this specification is a drawing of which you have the model on a scale of one quarter of an inch.

Newark N. Jersey July 10. 1830

Witnesses
Wm Pennington. Stephen Dare.

George Stanninger

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