(12) **United States Patent**
Gale

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(45) **Date of Patent: Dec. 7, 1826**

(54) **SPOONS, MANUFACTURING**

(76) Inventor: **William Gale**

described, together with the application of this principle either to a double or single piston engine is what your petitioner claims as his invention.

Witnesses
Alexander Barton
C. Rathbone

George Deming

1839

(1243 words)

Evd 11th Feb

William Gale Patented December 7th 1826.

The Schedule referred to in these Letters Patent & making part of the same, containing a description in the words of the said William Gale himself of his improvement in the manufacture of silver spoons and forks, with or without ornaments.

To all persons to whom these presents shall come William Gale of the City, County & State of New-York, Silver Smith, sends Greeting. Be it known that I the said William Gale have invented made and applied to use a new & useful improvement in making or manufacturing Silver Spoons and Silver forks, which improvement is in the words & figures following, to Wit— The machine consists of two steel rollers of two & a half inches in circumference and four & a half inches in length the other rollers are placed one above the other in the same manner that rollers used by Silver Smiths generally are; they are usually denominated rolling mills, (see letters A and B on figure 1st of the drawing annexed.

To one of these rollers is a die sunk one for the upper & one for the under side of the spoon & fork see letters C and D on figure 1st of the drawing annexed. These dies are sunk in the rollers so that ornaments in base relief are made the whole length of the handle of the fork & spoon as represented in figure 2d & 3. Another die is

sunk as shewn by letter D. are one of the rollers only to make a spoon perfectly plain. These rollers are placed in every respect as common rollers, and work in the same manner with common rollers as represented in figures 1. On the top of the frame screws are placed to regulate the rollers. These rollers may be turned by hand, horse, or steam power; the one used by me is turned by hand with cranes. The silver must be prepared to the suitable size & thickness, and applied to the side of the rollers so as to come in contact with the ornament by the ends of the dies in their revolution & is received on the other side in the flat form of the spoon or fork.

The ornaments are perfectly formed in basso relief. The spoons then require only to be shaped, the bowl to be formed and fine polished. The silver for the forks must be prepared in the same way and applied in the same manner, and is in this way perfectly made, requiring only to be shaped & fine polished. I intend to apply this principle or improvement to the making of all kinds of silver spoons & forks, to any & all every form and pattern...

Witnesses
James R. Whiting
Thomas R. Lindsay

William Gale

Copied
Ltr.