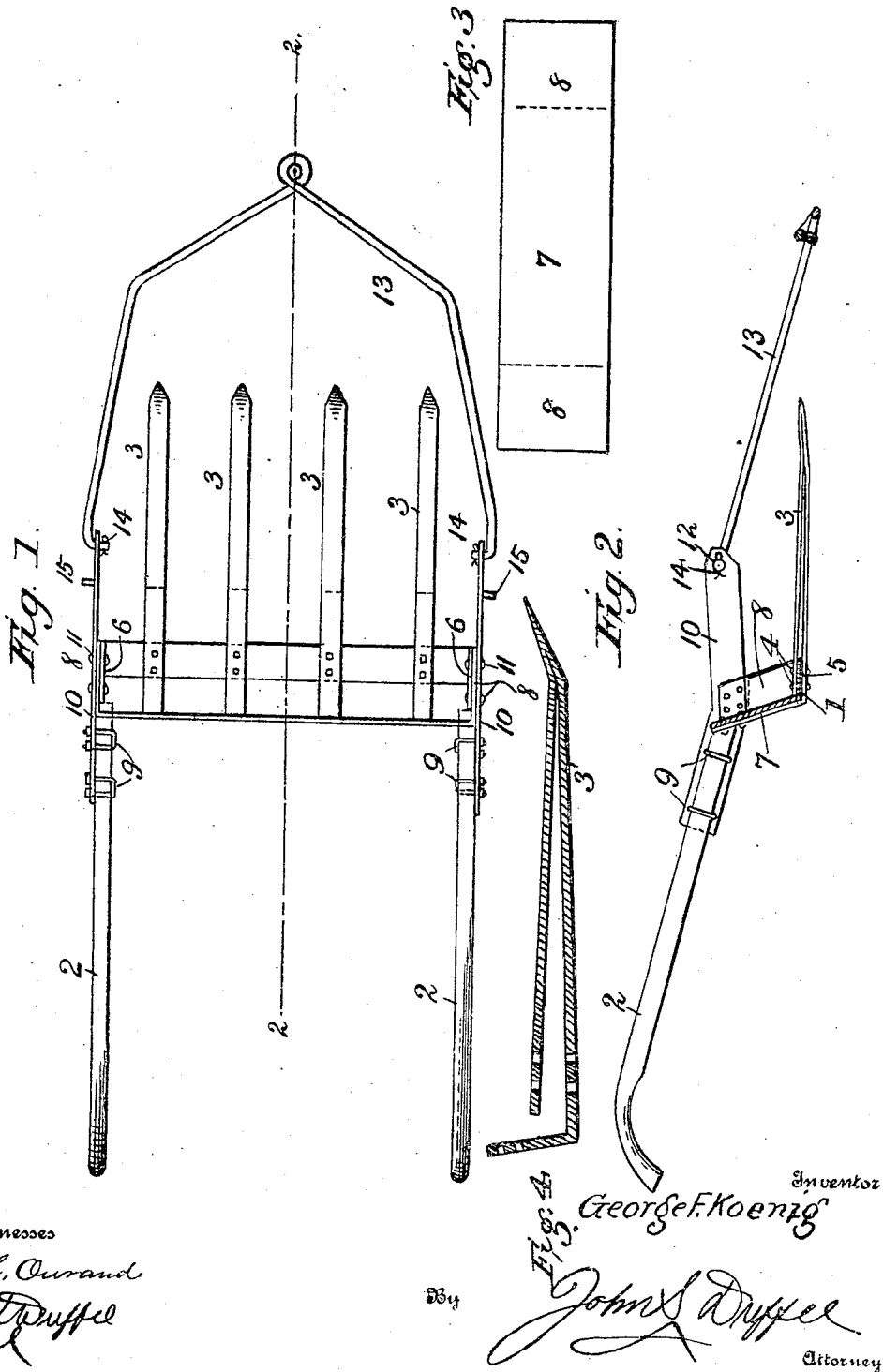


G. F. KOENIG.
 FORKED OR TINED SCRAPER.
 APPLICATION FILED DEC. 3, 1908.

936,457.

Patented Oct. 12, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE F. KOENIG, OF LE SUEUR, MINNESOTA.

FORKED OR TINED SCRAPER.

936,457.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed December 3, 1908. Serial No. 465,787.

To all whom it may concern:

Be it known that I, GEORGE F. KOENIG, a citizen of the United States, residing at Le Sueur, in the county of Le Sueur and State of Minnesota, have invented certain new and useful Improvements in Forked or Tined Scrapers, of which the following is a specification.

My invention has relation to new and useful improvements in forked or tined scrapers and is to be used in connection with my Patent No. 847,667, and my application on improvements on said patent filed November 2, 1908.

The object of my invention is to produce a scraper that will cause my hoisting device, above patented to be operated with greater efficiency, and it consists in a plurality of forwardly extending prongs held together in a substantial manner the construction of which will be brought forth more fully and specifically claimed in this specification, hereinafter.

With these and other objects in view my invention consists in the novel construction and arrangement of parts as are hereinafter described in this specification, illustrated in the accompanying drawings forming a part thereof, and particularly brought forth in the claims hereunto attached.

Referring to the drawings Figure 1 is a top plan view of my invention. Fig. 2 is a longitudinal sectional view of my device taken on the line 2—2 of Fig. 1. Fig. 3 is a detail. Fig. 4 is a detail of one of the forwardly extending prongs.

Referring more particularly to the drawings my invention is described as follows: My scraper is constructed of iron with the exception of a base plank 1, and the handles 2. A plurality of forks or tines 3, the rear portions of which are bifurcated, pass over and under said base plank 1, being substantially secured thereto by suitable nut and bolt connections 4. An iron plate 5, runs under said base plank and is bent up near its outer ends forming side members 6. The back of the scraper is made of a single piece of sheet iron in the form of a plate 7, said plate being bent forward near each end thereof forming the forwardly extending side members 8. Held to the forward ends of said handles 2, by means of a plurality of clevises 9, are the draw plates 10. Passing through each of said side members 6 and 8, and each of said draw plates 10, are a num-

ber of rivets 11, or other suitable substantial equivalent thereof. The draw plates are inclined upwardly from near their center to the extreme rear ends thereof for the purpose of accommodating the incline of said handles. Passing through said draw plates near the forward ends thereof are perforations 12, through which pass the inwardly turned ends of the bail 13. Said ends are held securely in place by means of cotter pins 14. Formed to the outer ends of each of said draw plates is a peg or lug 15, for the purpose of coming in contact with the bail when said scraper is dumped and by so doing holds the handles a certain distance from the ground preventing them from accumulating filth thereon. These pegs also facilitate in holding the handles in such a position that it is less difficult to bring the scraper back into its normal position after being dumped.

Although I have specifically described the construction and novel features of my invention yet I do not confine myself to such construction and arrangement of parts, as I may exercise the right to make such modifications therein as do not fall without the scope or depart from the spirit of the claims hereunto appended.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a scraper comprising a plurality of forwardly extending tines, said tines having their rear portions bifurcated, a base board, a plate, the ends of which are formed into upturned members, passing under said base board, a plate, the ends of which are formed in forwardly extending members, draw plates inclined from their central portions to the extreme rear ends thereof, handles secured to said inclined portions by substantial means, said first-mentioned and said second-mentioned plates having their upturned and forwardly extending members, respectively, secured, each, to one of said draw plates by substantial means, a bail pivotally connected to the forward ends of said draw plates, substantially as shown and described.

2. In a scraper comprising a plurality of forwardly extending tines, said tines having their rear portions bifurcated, a base board, a plate, the ends of which are formed into upturned members, passing under said base board, a plate, the ends of which are formed in forwardly extending members, draw

plates inclined from their central portions to the extreme rear ends thereof, handles secured to said inclined portions by substantial means, said first-mentioned and said second-mentioned plates having their upturned and forwardly extending members, respectively, secured, each, to one of said draw plates by substantial means, said draw plates having formed to their outer faces near their forward ends pegs, a bail pivotally connected to the forward ends of said draw plates,

said pegs adapted to come into contact with said bail to hold said handles a certain distance from the ground, substantially as shown and described. 15

In testimony whereof I affix my signature, in presence of two witnesses.

GEORGE F. KOENIG.

Witnesses:

ORA J. PARKER,
J. A. ANDEREGG.