

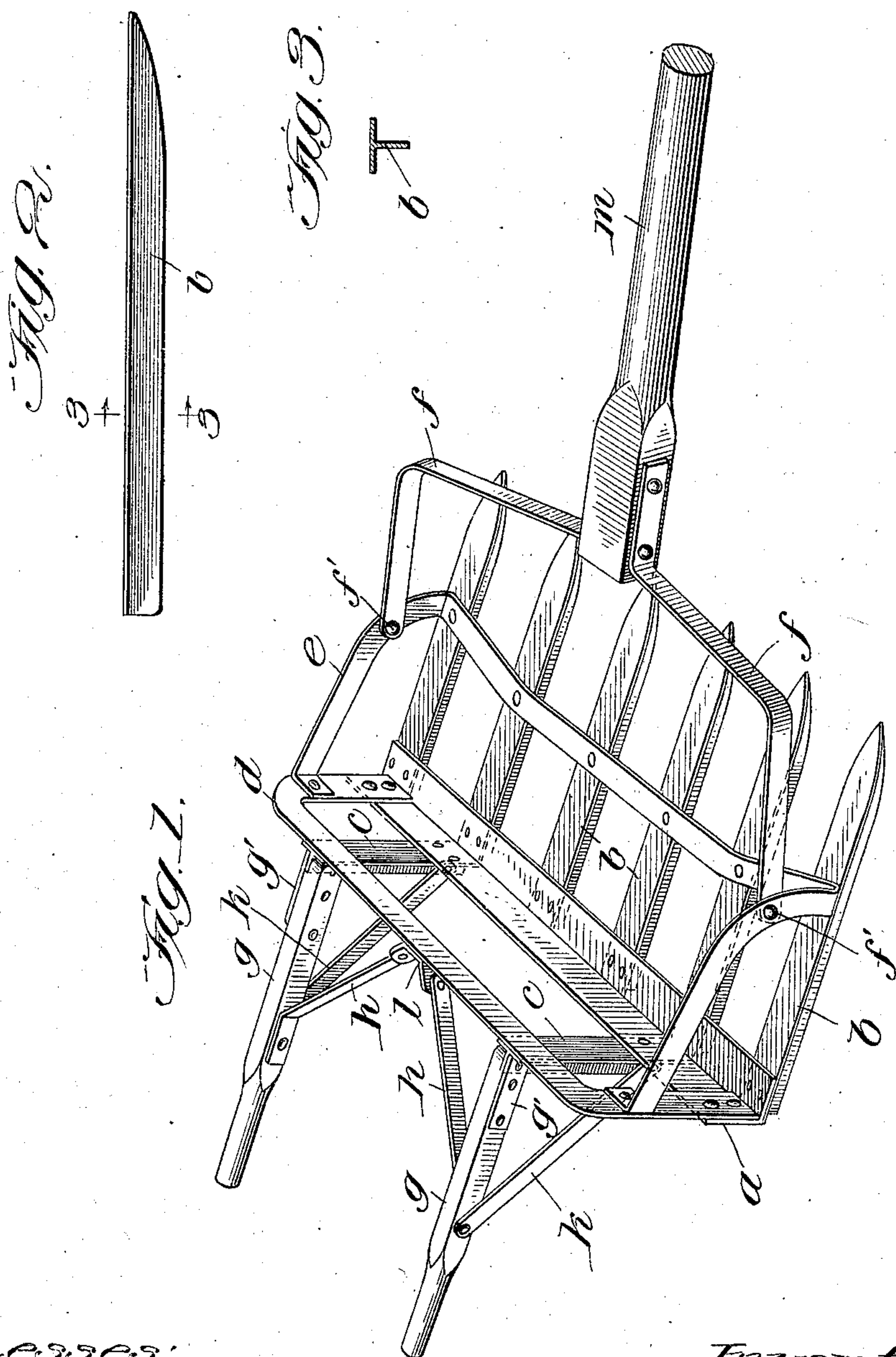
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PATENTED FEB. 26, 1907.

R. C. MINER & H. L. FITCH.

FORK SCRAPER.

APPLICATION FILED MAR. 29, 1906.



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UNITED STATES PATENT OFFICE.

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FORK-SCRAPER.

No. 845,700.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, RAYMOND C. MINER and HORACE L. FITCH, citizens of the United States, residing at Hudson, in the county of Lincoln and State of South Dakota, have invented certain new and useful Improvements in Fork-Scrapers, of which the following is a specification.

Our invention relates to fork-scrapers, and has for its object to provide a device of this kind which may be easily constructed of ordinary forms of material which may be purchased upon the open market.

Our invention relates to the combinations and details hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of our improved scraper. Fig. 2 is a side elevation of one of the angle-bar teeth. Fig. 3 is a transverse section of the teeth on the line 3 of Fig. 2.

In carrying out our invention we construct a frame having a rear bar *a* or angle-iron, having a forwardly-extending horizontal flange and a vertical flange. To the forwardly-extending horizontal flange of this angle-bar are secured teeth *b*, made from T-iron, these teeth being rigidly secured, as by rivets, to the horizontal flange of the angle-bar at their rear ends. Secured to the vertical flange of the angle-bar is an upwardly-extending rear frame member *d* of U shape, as shown. Secured to the front face of this U-shaped member is a brace member *e*, connected at its ends to the U-shaped member and extending forwardly and then downwardly and then bent to extend transversely across the upper faces of the teeth, to which it is rigidly secured by any suitable fastening means.

A yoke formed of members *f* is pivoted at *f'* to the forwardly-extending portions of this brace, and to this yoke the usual tongue *m* is secured. Upright brace members *c*, of T-iron, are secured to the vertical flange of the iron bar and to the upper member of the

U-shaped portion, and to these T-shaped members are secured the handles *g*, to be used in guiding the scraper. These handles *g* are suitably braced by brace-plates *g'*, secured to the handles and to the flange of the T-shaped members *c*. Braces *h* are connected to the handles and to the upper member of the U-shaped frame, and braces *k* connect the handles to the lower portion of the T-shaped members *c*.

The operation of our scraper will be apparent without description.

It will be seen that we have provided a scraper which can be made from commercial forms of metal and a scraper which is exceedingly strong and will withstand rough usage.

We claim—

1. A device of the class described, having a frame comprising an angle-iron rear bar having a horizontal and a vertical flange, teeth formed from T-iron extending forwardly from the angle-bar and rigidly secured to the horizontal flange thereof, a vertical frame member secured to the vertical flange of the angle-bar, a brace-bar secured at its ends to the vertical frame member and extending forwardly, then downwardly and then transversely of the teeth, and means for securing the transverse portion of the brace-bar to the teeth.

2. In a device of the class described, a frame comprising an angle-iron rear bar having a forwardly-extending horizontal flange and an upwardly-extending vertical flange, teeth formed of T-iron extending forwardly from the angle-bar and riveted to the horizontal flange thereof, and an inverted-U-shaped rear frame member secured to the vertical flange of the angle-bar, substantially as described.

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