

Gameboard (see 2.1)



Matthias Cramer



A Game for 2-4 Players by Matthias Cramer

Contents

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1.0 Introduction
2.0 Game Components
3.0 Aim of the Game
4.0 Game Preparations
5.0 Sequence of Play
6.0 Award Points
7.0 End of the Game
8.0 Two-Player Rules
9.0 Kraftwagen Specialty Tiles (V6 Expansion)

1.0 INTRODUCTION

In Germany in 1888, Bertha Benz, wife of auto pioneer Carl Benz, undertook the first cross-country drive in an automobile. While making the trek from Mannheim to Pforzheim, her car ran out of fuel in Wiesloch. Mrs. Benz stopped into the city drugstore to obtain the appropriate chemicals to make more fuel, effectively creating the world's first gas station.

The automobile ("Kraftwagen") quickly became a common means of transportation. The first Grand-Prix races at Nurburgring and AVUS began around the same time period.

By 1928, Germany possessed a dense road network. Combustion engines had triumphed over electric and steam engines and cars were produced via assembly lines. Manufacturers began producing more affordable vehicles for the broader population.

In Kraftwagen, players take on the role of owners of start-up companies during the time period when cars came to maturity in Germany and Europe.

2.1 Gameboard

• 10 award tiles • 12 specialty tiles

3

3
3
 5
5
 6
11
 11
11
11
 12

2.0 GAME COMPONENTS

- Each *Kraftwagen* copy contains:
- 1 gameboard
- 4 player mats
- 41 car body tiles
- 39 engine tiles
- 8 buyer tiles
- 50 research cards (9 engineers, 9 instant actions, 32
- developments)
- 9 engineer markers
- 56 price markers (8 each in orange, purple and blue for the 3 game turns, plus 32 white markers)
- 10 action tiles
- 56 "workers" (14 each in the four player colors)
- 4 cars (1 each in the four player colors)
- 1 marker token (black)
- 4 start tiles

The gameboard is divided into several different areas. The action track is the central element – here the players determine the action(s) of their player turn and the play order. Each game turn, the players conduct a car race on the Grand-Prix track.

The players offer cars they have produced onto the market. The market can absorb a total of six cars each turn.

The buyer track may determine the end of the action phase and the start of the scoring phase.

During each game turn, players will determine the 4 available buyers for up to 6 cars players offered to the market.

Players will receive development points via research for new and improved car bodies and engines as well as instant advantages and famous engineers.

Finally, award tiles may be won by the players upon accomplishing various goals.

2.2 Player Mats

The play mat of each player contains three workshops. In each workshop there may be only one engine or one car body.

The Grand-Prix car space is in the top left portion of the mat. Here one level "1" engine is depicted as part of the Grand-Prix car. The Grand Prix car is only used for the Grand-Prix race.

In the *canteen*, each player places his available workers that will be used for research and for selling cars.

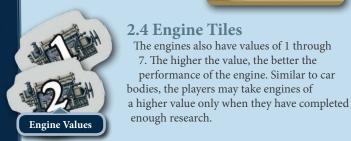


2.3 Car Body Tiles The car bodies have values of 1 to 7. The higher the value, the bigger, more beautiful or more modern the car body. The players may take car bodies of a higher value only when they have completed enough research.



7. The higher the value, the better the

performance of the engine. Similar to car



2.5 Action Tiles

The action tiles depict one to three actions that are performed by the players after they have chosen a tile on the action track.



2.6 Buyer Tiles

The *Kraftwagen*-buyers have four different preferences: car body (look of the car), engine (performance), prestige, and price.





2.7 Start Tiles

Car Bod

At the start of the game each player chooses a start tile. Each tile has slightly different start capabilities. The flipside of the tiles depict identical developments (one development point each for car body and engine).



2.8 Research Cards

The research cards represent the *development* of "better" and more modern car bodies and engines, *instant* cards for onetime advantages and famous engineers who help the players in various ways.



2.9 Engineer Markers Most of the *engineer* research cards have markers for their special abilities. If a player chooses one of these research cards, he receives the respective engineer marker(s).





2.10 Price Markers

The colored price markers are chosen by the players to determine the market price they would like to set for a car. The white price markers are given to the players for taking certain actions and for accomplishments in the Grand-Prix race.

Players should flip the price markers they have collected at the end of the round to keep them hidden from their opponents.

2.11 Workers and Cars

Players will use their workers for various actions and to record information. The cars are used in the Grand-Prix races.



2.13 Marker Token

buyers at the lowest possible price.

a possible end of the action phase.

3.0 AIM OF THE GAME

In Kraftwagen, players advance the state of automobile

They must research new technologies and build improved

companies with prestige and money, but the players must

development and production by playing as start-up companies.

chassis and engines. Early Grand Prix races provide the young

maintain a key balance of fulfilling the demand preferences of



The marker token is used on the buyer track and marks

2.12 Award Tiles During the game, players earn award tiles immediately upon achieving specific goals.

the game.

"0 turns" space.



4

The player who has the most money after three game turns is the winner and will be mentioned in the same breath as Daimler, Benz, and Opel.

4.0 GAME PREPARATIONS

One player puts the gameboard on the table. The action tiles are placed face-up on consecutive spaces of the action track (one tile per space). First, all tiles with one action are placed, then all tiles with *two* actions, and finally the tile with *three* actions is placed. The order of tiles within a category is randomized.

All research cards are shuffled and placed face-down on the upper space in the research area of the board. The top two cards are drawn and placed face-up in the two spaces below the research card deck.

The eight buyer tiles are sorted by preference and placed face-up on their respective spaces on the gameboard. The marker token is put on space "S" of the buyer track.

The award tiles are put on their spaces (see the illustrations) on the gameboard.

One player sorts and stockpiles the following components next to the game board, forming the supply:

• price markers according to color;

• car body and engine tiles according to value;

• nine engineer markers;

• 14 workers of each player.

The four start tiles are placed next to the board.

Each player takes a player mat and four workers of one color from the supply. The workers are placed in the canteen on his mat. The Grand Prix car has an engine value of "1" at the start of

The cars are placed in the pit lane of the race track; each player takes a worker from their supply and places it as a marker on the

Now the starting positions of the players on the action track are a white price marker of value "2" (preference car body). Even if determined. One worker of each player is taken from the supply and placed, in random order, in the spaces directly behind the *last* action marker. The start player is the player whose worker is *farthest away* from the *last* action marker.

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start player.

Käufer / Buye

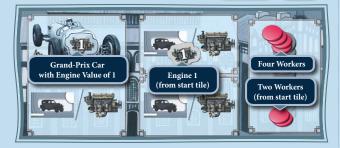
Marion chooses red and is

rie / Car Body

In reverse order, beginning with the player whose worker is directly in front of the last action marker, each player takes one of the four start tiles and *immediately* performs the listed actions. These are **identical to** actions during the game and are explained in the action phase in detail below.

Afterwards, each player flips his chosen start tile so the development side is up – each player starts with a development level of 1 for both their car engine and car body.

Example: *Marion receives the last start tile as start* player. She begins the game with two additional workers in the canteen and an engine of value "1" in one of her workshops.



In a 3-player-game the components of the fourth player (player mat, car, 14 workers, and the surplus start tile) are put back into the game box.

Note: In a 2-player *Kraftwagen* game the rules are slightly modified, see 8.0.

5.0 SEQUENCE OF PLAY

Kraftwagen is played in three game turns. One turn consists of three phases:

- 1. Preparation
- 2. Action Phase
- **3.** Scoring

In each game turn one set of (colored) price markers is used. In this way it is easy to determine which turn it is.

5.1 Preparation

At the start of the game turn the respective colored price markers are placed on their spaces on the market.

Turn 1: orange price markers (values 1, 2, 3, 5, 6, 8, 9, 10) Turn 2: purple price markers (values 2, 3, 5, 6, 8, 9, 11, 12) **Turn 3:** blue price markers (values 3, 4, 6, 8, 10, 12, 14, 15)

The four spaces next to the four buyer stacks receive a white price marker of value "1" (preferences engine, prestige, price) and

there are still one or two price markers from earlier turns, another corresponding marker is added.



5.2 Action Phase

In this phase the players conduct their player turns. The action phase ends when a total of six automobiles have been placed on the market *or* the marker token on the buyer track has reached space 0.

Note: In contrast to most other games, *Kraftwagen* is not played with a fixed turn order. The player, whose worker is *last* (furthest away from the row of action tiles) conducts his player turn (in the beginning this is the start player). Depending on which tile is chosen the players may have a different number of turns during a game. Moreover, it is possible that a player performs several turns in a row if still last in the row.

There is a continuous chain on the action track – consisting of the workers of the players and the 10 action tiles. The front and end of the chain are determined by a gap. The chain always stays together and is never split. If there should be an action tile at the end of the chain after a player's turn, this tile is immediately placed at the front of the chain (if necessary, this



is done several times till a worker again is at the end of the chain).

A player turn consists of two phases which must be conducted in this order:

I. Take an action tile and conduct the action(s) (mandatory) **II.** Place an automobile on

the market (optional)

I. Take an Action Tile and Conduct the Action(s)

The player may choose any action tile in the chain. He moves his worker clockwise to the position of the chosen action tile and then moves the tile to the start of the chain. In this way, the gap between the front and end of the chain advances by one space in a clockwise direction.

Each action tile contains one, two, or three actions. If possible, the player must conduct all actions on the chosen tile. He may choose the order in which to perform the actions, however, he may only start a new action once he has completed the former one.

Example: *Marion is the last one in the chain, therefore it is her* turn. She chooses the Grand-Prix tile in front of here, moves her worker to its space, and conducts the Grand Prix action. Afterwards she moves the tile to the front of the chain. Marion is still last in the chain, so she takes another player turn. Marion takes the Grand-*Prix* + *Buyer tile*

At the end of the actions of both of her turns Marion may move one *car each to the market (two total in this example); see the picture.*



Actions in Detail:



The player takes one of his workers from the supply and puts it into his canteen. If he already has employed all of his workers, the action is forfeited.

Research

The player takes one of the two face-up research cards. The other card is placed on the discard pile; then two new research cards are drawn and placed face-up on their spots.

Note: If the draw deck is "empty" a player shuffles the discard pile to form a new draw deck.

There are three kinds of research cards: instant actions, engineers and developments.

Car Body

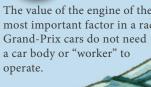
The player takes a car body tile according to the number of research points he has in this category and places it into an empty workshop. If there are already car bodies or engines in all three of his workshops then he must return an old car body or engine to the supply to make room.



Engine The player takes an engine tile according to the number of research points he has in this category. Now he may:

- Put the engine in an empty workshop. If there are already car bodies or engines in all three of his workshops, he must return an old car body or engine to the supply to make room.
- Put the engine into his Grand-Prix car, placing the old engine back into the supply. *The higher value* engine is simply placed on top of the value "1" engine printed on the mat. In this way, the car moves faster on the race track.

Note: The player may never use this engine to move a car to the market.



legg





Buver

The player takes one of the available buyers and moves it to *the lowest numbered empty* space of the active buyers (numbered 1 to 4). The player takes all price markers (if there are any left) next to the buyer that the player selected.

Example: Marion places a buyer with the "car body" preference on space 2 of the active buyers. She receives the "2" price marker because she was the first to pick a buyer with that preference.



If all four active buyers have already been placed, the player instead moves the marker token on the buyer track down one space. If space 0 is reached in this way, there is a scoring after this player turn, see 5.3. The player conducting the buyer action may not forego moving the marker token down.

Example: Four active buyers have already been chosen. Therefore Marion now has to move the marker token one space down to "3" *with her buyer action.*



Grand-Prix

With their race cars, the players drive one race per game turn. One "worker" of each player counts the laps. A lap begins at space 1 behind the finish line and ends when it is crossed. The value of the engine of the players' Grand-Prix car is the most important factor in a race.

a car body or "worker" to

Each Grand Prix action allows the player to advance his car as many spaces as the value shown on the engine.

Important: Spaces occupied by cars of the other players are skipped and are **not counted**.

In a game turn, a player starts his first Grand-Prix action from the pit lane and moves to space 1 with his first movement step. Each time a player's car

RESEARCH

Developments



engine categories via Research development cards. Some of the cards earn the player two research points (the card contains either two car bodies, two engines, or one car body and one engine). Other cards immediately earn the player a

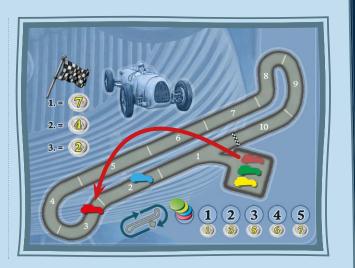
car body or engine from the supply (identical to the respective action; please take a look at the icons at the bottom of the card). The number of research points a player has determines which car bodies and engines a player may take with the car body and engine actions. At the start of the game, each player has one research point in both categories from their respective start tile.

The player MUST activate a development if possible. To do so, he places a worker from the canteen onto the research card. If the player does not have a worker in his canteen, the card is inactive and will remain so until a worker is placed on the card. The next time the player takes a worker from their supply, he must immediately use him to activate the inactive development, at which point the player receives the respective benefit.

Note: The start tile is active without a worker – the player does not place a worker here.

Example: Marion already owns two active developments. She has two research points in the car body category and three research points in the engine category. Therefore, when conducting the corresponding action, Marion may take a "2" *car body and a "3" engine from the supply.*





Players receive research points in the car body and





These cards are performed immediately. Afterwards, the card is placed on the discard pile. These cards include the following:

Hire three workers

Instant actions



The player takes up to three of his workers from the supply and places them in his canteen. If he has already taken all workers from the supply, this action is forfeited.



+5



The player immediately advances his car on the race track by five spaces (the standard "racing rules" are in effect; see below).

One car body & one engine

The player immediately receives one car body and one engine according to his research points in these categories.

If the research card allows taking a car body and/or engine, the player may include new research points immediately, if active.

Special Start Tiles



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Grand-Prix car – Engine 2 (start tiles only)

The player takes an "engine 2" from supply and places it on top of the "engine 1." **Important**: The player is still considered to have only one research point in the engine category.

crosses the finish line, the player advances his "worker" one space on the round tracker.

Example: Marion's car begins the race and moves two steps thanks to its engine "2." The blue car started earlier and occupies space 2. *Therefore Marion's red car is allowed to skip that space and move* to space 3.

II. Moving a Kraftwagen (Car) to the Market

- A player may move a car to the market at the end of his turn. He needs the following to do so:
- A car body from one of his three workshops;
- An engine from one of his three workshops;
- At least one worker from his canteen (acting as service team); • One of the colored price markers that are next to the market.
- The selected price marker sets the price of the car.

Engineers



Each engineer has a special bonus. The player puts the engineer card in front of him and keeps it until the end of the game. Several engineers also come with one or two engineer markers.

Note: A player may use as many engineers as desired per turn, but may only place one engineer token per turn.



Adam Opel: Each time the player sells a car to a buyer with the "price" preference, he receives the threefold (instead of twofold) price. He takes price markers from the supply accordingly.



markers – "+1 engine" and "+2 engine." When he moves a car to the market, he may add one of the markers to increase the engine value during the next scoring phase. Note: It is possible to increase



scoring, he may discard this marker and introduce another (fifth) buyer. He places this buyer below the already active buyers.

Note: *Benz* may earn the player the award tile *Buyer*, see 6.0.

100 => A +X

engine in his Grand-Prix car, he immediately moves his car on the race track afterwards. **Note**: The newly installed engine must be of a higher value than the previous engine on the Grand-Prix car. In addition, the player always has to take and install the best possible engine according to his research points.



Ettore Bugatti: If the player installs a new

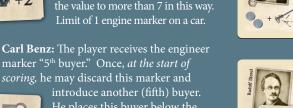






August Horch: The player takes two engineer

the value to more than 7 in this way. Limit of 1 engine marker on a car.







A player may freely choose which car body, engine, available price marker, and the number of workers he takes from his canteen.

The player places all these elements as his "Kraftwagen" together on an empty space on the market. The values and the number of workers should be easily visible to all players.

Finally, the player may place one engineer marker on the Kraftwagen if he has a suitable engineer.

Once placed, a car on the market may never be changed.

EXCEPTION: Rudolf Diesel may be used to change one component as described below.

If a player places the sixth car on the market, the action phase ends after that player's turn and the scoring phase begins.

> Ferdinand Porsche: : If the player chooses the *Grand Prix* action, he advances his car on the race track by one additional space. **Note**: This is also true for the instant action of a research card and the bonus by *Ettore* Bugatti.

Gottlieb Daimler: The player receives the two engineer markers "+2 buyer" and "+4



buyer." He may use a single marker once on his player turn and place it on any active buyer. A single buyer, however, may only get one Daimlermarker, not both. This buver

increases the points for the sold car by +2 or +4. Note: If this buyer is a buyer with the "price" preference, the bonus is not doubled (or tripled with Opel).

> Nikolaus August Otto: The player takes up to two of his workers from the supply and places them in his canteen. Afterwards he immediately conducts another *research* action. If there are no more workers in supply, this part of the action is forfeited.

Rudolf Diesel: The player takes the two engineer markers "change." If he discards one of these markers in his turn, he may

change one "category" of one of his cars at the market (either car body, engine, number of workers, or price). Note: To do so, he takes a car body, engine or worker(s) from his workshop

or canteen. If he would like to change the price, he exchanges the price marker on the car with a colored price marker of the turn still available next to the market.

> Wilhelm Maybach: The player receives the two engineer markers "+1 car body" and "+2 car markers when he is moving a car to the market to increase the

value of the car body during the next scoring. **Note**: It is possible to increase the car body value to more than 7 in this way. Limit of 1 body marker on

Example: Marion moves the third car to the market. It is a BMW Dixi with a car body of value 3, an engine of value 4, a service team of two workers and a price marker of 8.



5.3 Scoring

Scoring may be initiated in one of two ways: via the sixth car being placed on the market or the marker token reaching space 0 on the buyer track. In both cases, the current player ends his player turn, then all players conduct scoring, consisting of two parts:

I. Scoring of Grand-Prix Race **II.** Scoring of Buyers

I. Scoring of Grand-Prix Race

The first three places in the Grand-Prix race are determined, and players receive white price markers from the supply as follows:

• 1st place: 7 points

• 2nd place: 4 points

• 3rd place: 2 points

Players then receive white price markers according to the number of laps their car has completed on the track:

- 1 lap: 1 point
- 2 laps: 3 points
- 3 laps: 5 points
- 4 laps: 6 points
- 5 laps: 7 points (for each additional lap +1 point)

The players take the respective white price markers from the supply next to the game board.

The cars are now placed back into the pit lane as the players will be starting a new race in the following turn.

II. Scoring of Buyers

All active buyers, in the order from 1 to 4 (and potential fifth buyer from engineer *Benz*) purchase one car each. Each buyer has a specific preference.

- Car Body: The car whose car body has the highest number is preferred by this buyer.
- Engine: The car whose engine has the *highest* number is preferred by this buyer.
- **Prestige:** The car which has the *largest* number of workers (=servicemen) is preferred by this buyer.
- Price: The car which is *least expensive* is preferred by this buyer.

If only one car has the highest value of the buyer's respective preference, the buyer will buy that car. If multiple cars share the highest value of the buyer's preference, the buyer purchases the car with the lowest price among them.

The decision of a buyer therefore is done in two steps:

- 1st preference
- 2nd price

A buyer with the *price* preference only decides via the price.

If a car has been sold, the owner takes its colored price marker and places it face-down in front of him. If a car has been sold to a buyer with *price* preference, the owner takes an additional white price marker of the same value as the colored price marker on the car from supply and places it face-down in front of him.

Example: The active buyers now purchase cars. The first buyer purchases the blue Tatra 11 because it has the largest prestige thanks to three workers. The blue player takes the price marker "11" and places it face-down in front of him. The second buyer chooses the green Mercedes 630. Marion's BMW Dixi also has a car body of the same value "3," however the Mercedes price can't be beat, so the green player takes the price marker "6" and places it face-down in front of him. Marion sells *her* BMW Dixi to the third buyer with engine preference and takes the price marker "8" and places it face-down in front of her.



After all active buyers have purchased a car, all cars are removed from the market no matter if they have been sold or not. Car bodies, engines, and workers are returned to the supply next to the gameboard. Any used engineer markers are out of the game and are returned to the game box.

> Colored price markers that have not been taken are removed and put into the supply of white markers. They may be used in future turns in lieu of white markers. All active buyers are returned to their stacks.

> > Now the second or third game turn is prepared.

6.0 AWARD POINTS

During the game, the players may receive various award tiles. To get an award tile, a player must be the first to fulfill its requirement. The player then takes the respective award tile and places it face-down in front of him.

The following award tiles are included in the game:



Grand-Prix Race: If the player is the first to complete one or two laps on the racetrack, he gets the corresponding markers worth 3 or 7 points.



If the player is the first to choose the second buyer of one category/preference and places him in the row of active buyers, he gets the tile worth 3 points.



Example: There is already one buyer with the engine preference in the row of active buyers. Marion now chooses the second buyer with this preference and receives the award tile.



The first player placing his *second* car on the market receives this tile worth 3 points.

When the first player places a "3" or "6" car body into his workshop, he receives the tile worth 3 or 7 points, respectively. The player also receives

the tile if he immediately builds a car body of higher value than required. In the very rare case that a player immediately places a "6" car body into his workshop, he receives both tiles.

Car Body

Note: An upgrade from an engineer marker does not count here.

Two-player-rules



2





107

(7)

both tiles.



Engine When the first player places a "4" or "7" engine into his workshop, he

receives the tile worth 3 or 7 points, respectively. The player also receives the tile if he immediately builds an engine of higher value than required. In the very rare case that a player immediately places a "7" engine into his workshop, he receives

Note: An upgrade from an engineer marker does not count here.

Worker

If a player has all his workers in play (i.e., there are none of his worker in supply), he receives the tile worth 7 points.

Engineers

If a player "owns" three engineers he receives this tile worth 7 points.

7.0 END OF THE GAME

The game ends after the third game turn.

The players add up their points received by price markers and award tiles. The player with the most points is the winner and thereby becomes an important car pioneer!

8.0 TWO-PLAYER-RULES

When playing with two players, all rules above are in effect with the following exceptions:

• The marker token on the buyer track starts at space 2 each turn; • Two start tiles are chosen randomly. The players select their start tile from them.

• The market is limited to four cars (i.e., scoring starts after the fourth car has been placed) each turn;

• Only three buyers may be chosen (the fourth active buyer space is ignored) each turn;

• The two cars of the colors not in play are placed on space 3 and 6 of the Grand-Prix track. They will never move, however, they do "count" during the Grand-Prix scoring. If the two player cars are first and third, the players receive 7 and 2 points each turn.

9.0 KRAFTWAGEN SPECIALTY TILES (V6 Expansion)

Note: Players should agree whether to use these Specialty tiles before the start of the game. It is recommended that these tiles not be added until after players have played the base game a couple of times.

Set Up: The tiles are sorted by game turn (A, B, & C). Then all four tiles for each game turn are shuffled and placed face down in their respective stacks. The A-tile on the top of the A Stack is selected, flipped, and placed in front of the tile showing three actions on the action track (it is now the 11th tile).

General Rules: All standard rules are in effect. When a player takes a special tile he immediately performs the standard action (top of tile) and the bonus action (bottom of tile). The bonus actions are described below. The tile is discarded and the next tile on the corresponding game turn stack is selected, flipped, and placed at the front of the action track. If and when all 4 tiles of the current turn's stack have been used, reshuffle them and place the top tile from the new draw stack back on the action track. When a bonus tile from a previous round is selected or passed over by all players, return it to the box and draw and place the first tile from the stack for the current round. Bonus tiles from previous rounds will not be used again.

The player receives one money for each worker in his cantina. 3 1)/1 A The player may remove one of his cars from the market and immediately receives three money. The price market is placed back on the gameboard (it may be reused); the engine, body and workers are placed back in their pools The player replaces his Grand Prix car engine with an engine of the next higher value. If he owns Bugatti, he may immediately race. (Sty 3) Prix car engine with an engine of the next higher value. If he owns Bugatti, he may immediately race. car body. His body research level does not matter. 5 41 8 The player may sell one engine or one car body from his factory. He receives its value in money (e.g., a value 4 engine The player takes the top card of the research card discard pile and conducts a standard research action with that card. Read *2 The player may sell one engine or one car body from his factory. He receives its value in money (e.g., a value 4 engine would earn four money). 3 1)/1 U The player may remove one of his cars from the market and immediately AR The player takes a value 6 engine. His engine research level does not matter. receives seven money. The price marker is placed back on the gameboard (it may be reused); the engine, body and workers are placed back in their pools. 6 FOLLOW us on Twitter: @StrongholdGames • LIKE us on Facebook: facebook.com/StrongholdGames SEE all of our great games at: http://www.StrongholdGames.com © 2016 Stronghold Games LLC, under license from Blackfire Entertainment. All Rights Reserved.

Author: Matthias Cramer

Development: Henning Kröpke, Uli Blennemann • Graphics: Harald Lieske • Layout: Vladimir Krist Rules Editing: Jeffrey DeBoer, Garry Rice



IIIIIII