

PRINCE AUGUST ON PARADE

HOBBY CASTING
AN EXCITING
AND ECONOMICAL
HOBBY



Available from:



THE LARGEST COLLECTION
OF HOBBY CASTING IN THE WORLD



PRINCE AUGUST

THE LARGEST COLLECTION
OF HOBBY CASTING IN THE WORLD



N·E·W

HANDBOOK

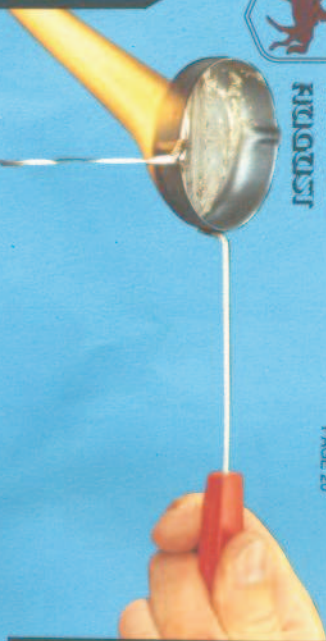
№ 4

▲ 25mm Napoleonics ▲ Fantasy Army Moulds
▲ 54mm Toy Soldiers ▲ Fantasy Ready Medes
▲ Fantasy Chess
AN INTRODUCTION TO WHITE METAL CASTING * PAINTING OF MINIATURES
COLLECTING TOY SOLDIERS * WARGAMES * ROLE PLAYING GAMES



PRUDCE
AUGUST

54MM FOR COLLECTORS.
PAGE 20



54MM TOY SOLDIERS.
PAGE 18.



25MM WARGAMING.
PAGE 10.



FANTASY
PAGE 8.



40MM TOY SOLDIERS.
PAGE 14.



CHESS SET.
PAGE 22.

HOBBY CASTING AN EXCITING AND ECONOMICAL WAY INTO THESE HOBBIES

54MM FOR COLLECTORS Page 20.

Cast, paint and convert ★ a most satisfying hobby for the discerning collector.

54MM TOY SOLDIERS Page 18.

The On Parade collection is an exact copy of what a toy soldier looked like at the turn of the century.

25MM WARGAMING Page 10.

With our moulds you can afford to command that large army you always dreamt about.

FANTASY Page 8.

The range include both ready made figures for the characters and moulds for the large army.

40MM TOY SOLDIERS Page 14.

These soldiers are easy to cast and paint and therefore very suitable for beginners.

CHESS SET Page 22.

Cast your own chess set★our most prestigious and rewarding hobby.

PRUDCE
AUGUST



HANDBOOK № 4

gives you a comprehensive guide to the many hours of enjoyment which may be had out of casting, painting, and playing with our full range of moulds; recreating battle scenes, wargaming, fantasy gaming and assembling a collection.

THE 1986 NEW RANGE OF PRODUCTS

★54MM TOY SOLDIERS.
Colour party - available from February, 1986.
Band - available from February, 1986.

★WARGAMING.
Napoleonics - available from February, 1986.

★Several new ranges available later this year! ★
★FANTASY.
The Orc Berserker Army - available from February, 1986.
New ready-mades - released monthly.

★CHESS.
Staunton - available February, 1986.
Fantasy - available February, 1986.

CONTENTS

TECHNIQUES		GENERAL INFORMATION
Casting	2 & 3	Range of Napoleonic: 10
Painting	4 & 5	Range of Napoleonic Castles: 12
Aniquing	5	40mm Toy Soldiers: 14/15
		40mm Toy Soldiers: 16/17
HOBBY APPLICATIONS		54mm Toy Soldiers: 18/19
Fantasy Moulds	6	54mm Toy Soldiers: 20/21
Dungeon Builder	7	Chess Sets: 22
Introduction of new character figures	8	Non Military: 23
Fantasy	9	
		Fault finding chart: 24
		Metal Information: 25
		Express Mail Service: 26
		Accessories: 27
		Prince August Distributors: 28
		Club Prince August: 29

White Metal Casting Techniques



HOW TO CAST.

You need a Prince August starter kit, domestic gas or electric cooker, a match, pliers, small knife or file.

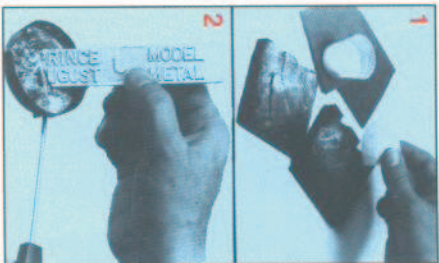
POINTS TO REMEMBER.

- Cover the work area with a piece of paper.
- Handle the hot metal carefully.
- If you don't clean up after you, you might not be allowed back into the kitchen.
- Metal spilled on cooker should be removed when cold. Polish with steel wool.



Dusting.

Use a cotton pad, preparing inside mould with talcum powder. Clap moulds hard together to remove loose powder. Assemble the mould with hardboards, rough side against mould, and clamp in the centre. For large and long moulds use two clamps, one at each end of the mould. Or use two Prince August rubber bands.



Melting.

Heat the metal on stove. Dip a used match into the metal for about 5 seconds to test the temperature. Slight smoking of the match indicates correct temperature. Excessive smoking indicates over heated metal which makes bad castings and damages the mould.

Casting.

Pour the metal quickly into the mould, fill to the top. Tap lightly on the mould to shake metal down. Allow to set for 1 minute.



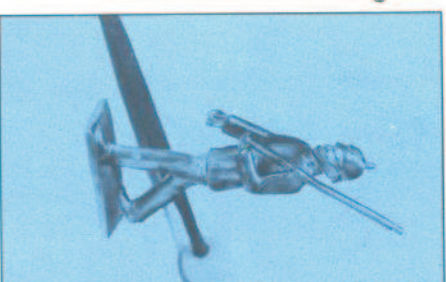
Finishing.

Release the casting, bending the mould if necessary. Using the figure drawing as a model, cut off ingates and channels with pliers. Trim over with a small knife or file. The ingates can be melted again. In the unlikely event of a bad casting, consult our faultfinding chart on Page 24 and re-melt the figure.



This is how you

finish casting will look like after trimming. On the following pages we will show you how to paint.



Cutting an Airvent.

If you have a problem with a part that is not filling properly, this is because an airpocket has formed. The cure is an airvent which you cut with a sharp hobby knife from the missing part to the top of the mould.



Model Metal.

This is an alloy of tin, lead and bismuth. Its low melting point of 138c makes it particularly safe for home use. It is one of the best casting alloys on the market and even a beginner will get clear crisp castings.

Standard Metal.

This is an alloy of tin, lead, bismuth and antimony and melts at 210c. It is a more economical alternative to Model Metal but will not produce as fine details unless you are very experienced. You can also use other white metals as described on Page 26.

Hints for Fine Details.

1. Check that temperature is right.
2. Tap the mould hard [vibrate] with a tool i.e. pliers while pouring the metal and for 10 sec. after.
3. Cut an airvent in the mould from a high point i.e. weapon, hat. Use a hobbyknife to cut a 1-2mm V-channel to the top of the mould.

White Metal Casting Techniques

BRITISH BOARD OF TRADE RECOMMEND THE FOLLOWING SAFETY PRECAUTIONS.

1. Keep away from food when moulding. Do not use cooking utensils.
2. The metal should only be heated in ladle provided.
3. Hot metal can burn. Kits should not be used by young children.
4. Allow metal, ladle and moulds to cool naturally. Do not use water to cool.
5. Do not leave a ladle with molten metal unattended.
6. Do not overheat the metal.
7. Keep out of reach of young children who might suck or chew them. Not suitable for children under 9.
8. Wash hands after using kits and clear up any waste material.

Fantasy Moulds

Set in a world of magic and Fairy-tale, fantasy role playing makes a unique and absorbing hobby. Each player thinks up a character which he/she would like to be, a warrior with great courage and fighting skill maybe, a magic-user with spells and great knowledge, an elf from the green woods perhaps, or any other from the choice available. The character is endowed with certain qualities, great strength, stealth or wisdom and kitted out with weapons and other items.

Through their characters, the players can then explore this strange and magical world, attempt to steal a dragons treasure hoard, or free a threatened village from marauding goblins, sail to strange islands, or discover secrets buried in ancient tombs. In fantasy anything is possible and no adventure is like the one before.

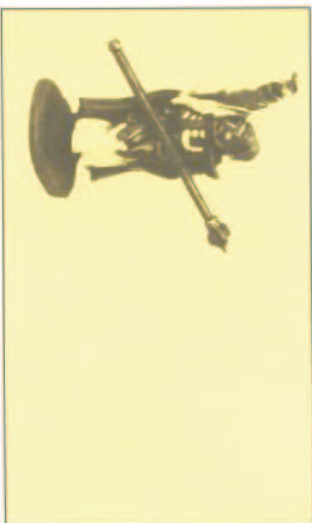
Fantasy figures are divided into two basic groups, character figures (designated "CH" in list) and non-player figures which adventurers will meet and possibly fight in the game. This category comprises monsters, animals, ghosts, evil creatures, human and non-human races.

When choosing characters to play, players should give them names and brief life stories to provide basic motivations for them and make them more "real". Past adventures may have enabled characters to acquire special items, magic ring, swords etc. Here is a typical party of adventurers:



2. ARTION

Is a human fighter of great strength and reputation. He is the party's muscle man and is invaluable in any fight. He once slew two trolls single-handed. He possesses a magical sword of great power which he found amongst a treasure hoard belonging to evil Necromancer Cycorax. He is very prone to loose his temper quickly and will always fight first and ask questions later.



1. TAROSTAR

Is a magic-user and a natural leader for the party. His cool-headed approach to problems and complete honesty make him popular and well liked. He is on good terms with the elven people of the Great Forest and speaks their language fluently. He speaks the language of many animals and possesses several very useful spells.



3. ARIONNAR

Is a cleric and a priestess of a religion which worships nature and the life-force in growing things, woods and plants are sacred to her, and she has taken an oath never to slay forest dwelling wild animals. From her diety she draws power which enables her to heal.

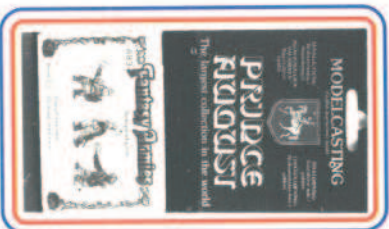


PA2 STARTER ENCOUNTER SET

Contains a gang of 10 monster figures particularly suited for the new adventurer to take on 3 orcs, 3 skeletons, 3 goblins, and a gnom.

PA1 PLAYERS ADVENTURE SET

Contains a selection of 10 figures, particularly suited for new adventurer Ranger, Paladin, Fighter, Barbarian, Healer, Wizard, Cleric, Elf, Dwarf, Thief



662-690

PANTASY MOULDS
 2 ready-made figures
 2 moulds
MOULD KIT 673
 Contains moulds for casting 2 hardboards, talcum, carpenter's glue, primer, and a mould
KIT NO. 11006
 Contains moulds for casting 2 hardboards, talcum, carpenter's glue, primer, and a mould
 Moulds for skeleton, goblin, fighter, dwarf
 Moulds for skeleton, goblin, fighter, dwarf



Kit 12006

Contains: tacle, clamp
 2 hardboards, talcum,
 125gr. Modelfmetal,
 Moulds for skeleton,
 goblin, fighter, dwarf

AR1 CATAPULT with orc crew



There are over 100 ready-made figures available. Most of them available in single blister packs. Each pack is marked with the main category it belongs to e.g. Character or Friend & Foe, name of figure, plus price and product code. All price codes start with RM and goes between 1-6.

Prince August ready-made figures are also available in boxed sets with foam insert which is very handy for transporting your figures when they have been painted



Fantasy Wargaming



"Fantasy command" is a completely new system devised by Prince August which enables the wargamer to create huge and highly detailed fantasy armies at minimal cost, using a combination of moulds and ready casted figures. Each set of moulds in the forthcoming "Fantasy Commands" series will be accompanied by a specially designed set of pre-casted figures. The bulk of the armies can be cast in moulds which will yield huge numbers of figures at small cost whilst special figures such as Standard Bearers, generals, and other personalities can be bought singly, already casted.



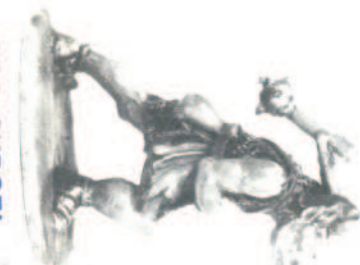
Fantasy Wargaming

Prince August Moulds

READY CAST



ORC ARCHERS.



ORC CUDGEL
WIELDERS.



ORC
SWORDSMEN.



ORC CHIEFTAN.



ORC STANDARD
BEARER.



ORC CHAMPION.

Forthcoming "Fantasy Command" sets ready casted figures with moulds are:-
Orc Army.
Even Army.
Dwarven Army.
Goblin Army.

All armies will include infantry, cavalry (where applicable), officers, special troop types, standard bearers, musicians and special personalities and will come in a number of moulds and ready cast sets.

Napoleonic Wargaming



This is a hobby for those seeking the challenge of a game as well as the pleasure of modelling. Most war games are played with 25mm fully-round soldiers, a size big enough to give plenty of detail so you can identify your units and small enough to be displayed in their thousands on a dining room table. With Prince August kits and moulds you can afford to command those large armies because home casted figures are over 60% cheaper than commercially casted ones; and it is as much fun to cast them as it is to play with them. You can also use 25mm figures for dioramas. It is very economic as they use so little metal compared to 40mm or 54mm figures. However, our younger friends might find them a bit small to paint. As a guideline you get up to 12 foot soldiers or 4 horses plus men out of one ingot of Modelmetal.

STARTER KITS.

You can start this hobby by buying one or more moulds of your choice and the casting tool kit no. 1400 or you can buy our complete



KIT 1400 Contains: ladle, 2 clamps, 6 hardboards, bag of talcum, 75g Modelmetal.

kit no. 12005 including moulds. To cast, all you need besides your kit is a domestic cooker, pliers and a small knife or file which we assume you already have.



KIT 12005 Contains: ladle, clamps, 2 hardboards, container of talcum, 125g Modelmetal moulds of British Footguard/Scots Grey and horse.

MOULDS.

There are 3 different sizes of moulds. Small and large mould packs contain mould, illustration the hardboards having been



507-516 519-522;



531-542



518 523

already supplied with casting tool Kit no. 1400 or accessory pack no.2051.

Napoleonic Wargaming



WAR GAMING

Wargaming is the fighting of battles of various historical periods, using miniature armies of 25mm figures. One of the most popular and colourful periods in the history of war are the Napoleonic, 1804-1815 and the Prince August range of "Waterloo" wargame figures enables you to create infantry, cavalry and artillery units of the major countries involved, at very low cost.

Wargames are a scaled down version of a real battle. The figures have a certain movement allowance each round, which varies for the different troop types involved; cavalry and Light Infantry having a larger movement than say, Heavy Infantry. Firepower and range are calculated using similar methods for the different weapons involved; muskets, cannon etc., and there are special rules for hand-to-hand combat. Both players acting as the commanders-in-chief write down their orders at the beginning of each round and then move their various units

accordingly. To make it more realistic, such things as morale are also taken into account so that some recently defeated units, if they fail the "morale check", may decide to ignore their General and retreat from the field completely!

This is an absorbing hobby and a little initial effort put into painting up your armies and familiarising yourself with the rules is well rewarded by many hours of fun and enjoyment. In addition to the Prince August system, all you need to set up a wargame is a large table or similar area, a steel ruler, some dice and some rules, which can be bought in most hobby shops.

The most widely used sets are published by Wargame Research Group. But there are many others on the market to cater for varying tastes.

Rules and Useful Books:
Wargames Research Group Rules: 1695 - 1845.
Donald Featherstone: Battles with model soldiers.

Above books are available from:

ATHENA BOOKS, 34, Imperial Crescent,

Town Moor,

Doncaster DN2 5BU,

U.K.

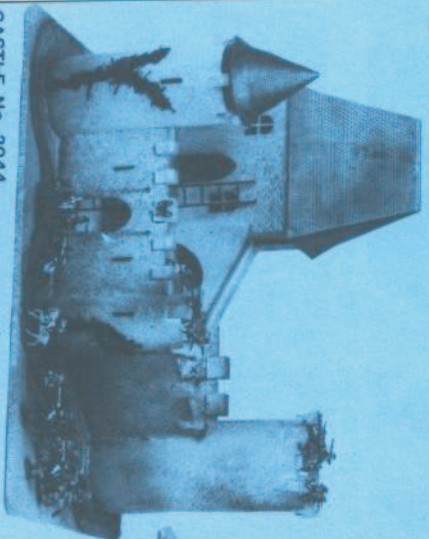





Range of Napoleonic

<p>532. FRANCE: Cheval-Legers Lancer & Horse No. 511</p>	<p>515. BRITAIN: SCOT'S GREY & HORSE NO. 513.</p>	<p>516. FRANCE: LANCER & HORSE NO. 511.</p>	<p>523. BRITAIN: 6 CANNON PDR</p>	<p>518. FRANCE: 6 & 12 PDR CANNON.</p>
<p>507. FRANCE: CHASSEUR & HORSE NO. 511.</p>	<p>508. FRANCE: CURASSIER & HORSE NO. 512</p>	<p>509. BRITAIN: LIFE GUARD & HORSE NO. 511.</p>	<p>510. BRITAIN: HUSSAR & HORSE NO. 511.</p>	
<p>519. FRENCH FOOT ARTILLERY</p>	<p>520. BRITISH ROYAL HORSE ARTILLERY</p>	<p>521. BRITISH ROYAL HORSE ARTILLERY</p>	<p>522. BRITISH ROYAL HORSE ARTILLERY</p>	
<p>531. FRANCE: IMPERIAL GUARD GRENADIERS.</p>	<p>532. FRANCE: GRENADIERS-LINE INFANTRY (GRENADIERS).</p>	<p>533. BRITAIN: FOOT GUARDS.</p>		
<p>539. FRANCE: IMPERIAL GUARD GRENADIERS.</p>	<p>540. FRANCE: GRENADIERS-LINE INFANTRY</p>	<p>537. BRITAIN: FOOT GUARDS.</p>		
<p>534. BRITAIN: 42ND HIGHLANDERS.</p>	<p>535. PRUSSIA: GUARD INFANTRY.</p>	<p>536. NETHERLANDS: FOOT CHASSEURS.</p>		
<p>538. BRITAIN: 42ND HIGHLANDERS.</p>	<p>541. PRUSSIA: GUARD INFANTRY.</p>	<p>542. NETHERLANDS: FOOT CHASSEURS.</p>		

Prince August Castles



CASTLE No 2044
SIZE 66·41·46 cm



CASTLE No 2043
SIZE 48·26·30 cm

THE LONG SIEGE

The French army had been holding Brunswick Castle under siege for nearly ten days.

"I can't understand why they are not surrendering", said the French General. They must be without ammunition and food by now. "Sergeant, send a scout out to find out what is happening in there". After two hours the scout came back. "Sir, I could not even get near to the castle", he explained to the General. "Look here, they shot a hole in my hat when I came too close."

"Sacre bleu!", shouted the General. "Captain, prepare an invasion for tomorrow".

"Get the men to build ladders and we storm the castle by sunrise".

The following morning was dark and the rain was pouring down. However, this did not matter to the general.

He had made up his mind to take the castle that day.

"Forward", he whispered to his second in command. The signal was quietly passed from man to man and the troop with the ladders were slowly moving forward, hoping to take the castle by surprise.

They reached the castle wall without anyone inside the castle seeming to have seen them. The ladders were raised and the men started to climb.

Rattle, rattle, bang, the men heard. Down came the drawbridge to let out General Brunswick and his heavy cavalry. At the same time hundreds of muskets came over the wall.

What happens next we leave up to your own imagination. With a Prince August Castle you can have a new battle every day.

 The Castles are made of hardboard and come already assembled. The sturdy construction will withstand the wildest battle.

40mm Toy Soldiers



- 11 Sweden: Trooper
- 21 USA: Green Mountain Boys Regt.
- 26 France: Orleans Co.
- 28 France: Kings Musketeer
- 32 Cannon 8 pdr
- 37 Artillery horse
- 38 Artillery Lumber
- 36 England: Artilleryman
- 48 England: Life Guard
- 49 Prussia: von Reusch Hussar



- 52 Prussia: 2nd Hussar Rgt.
- 53 Prussia: Uhlan de Natzmer
- 54 Cannon (mortar)
- 55 Prussia: Garde du Corps
- 56 Prussia: Garde du Corps
- 57 Prussia: Garde du Corps
- 58 Switzerland: Regl. de Diesbach
- 59 Austria: Musketeer
- 60 Prussia: Battle of Rossbach
- 61 Prussia: Battle of Rossbach
- 65 France: Battle of Rossbach



- 15 Gr. Britain 37th Regt.
- 22 Russia: Line Infantry
- 23 Prussia: Free Battalion
- 24 Sweden: Nylands Regt.
- 33 Prussia: Artillerymen Austria: Artillerymen
- 50 Hessen: Officer Garde Regt.
- Prussia: Regl. no. 1
- 51 Saxony: Prince Xaver Rgt.
- 58 Switzerland: Regl. de Diesbach
- 59 Austria: Musketeer
- 60 Prussia: Battle of Rossbach
- 61 Prussia: Battle of Rossbach



- 62 Prussia: Battle of Rossbach
- 66-70 Prussia: Battle of Rossbach
- 71 France: Artillerymen
- 72 France: Artillerymen
- 73 Cannon 12 pdr

54mm Prussia 5th Regiment



- 401 Prussia Musketeer
- 402 Prussia Grenadier
- 403 Prussia Officer
- 404 Prussia Officer
- 405 Prussia Musketeer
- 406 Prussia Drummer
- 407 Prussia Filer
- 408 Prussia Musketeer
- 409 Prussia Musketeer
- 410 Prussia Officer
- 411 Prussia Grenadier
- 412 Prussia Bearer

40mm Toy Soldiers

This range is our largest and the obvious choice for a beginner particularly for our younger enthusiasts. See centre spread for selection nos. 11-73. Castings from this type of mould produce the traditional continental style of toy soldier. They are called semi-flats, which means that they look round in profile but not from the front. The advantages with such a

design are that they are easy to cast and paint, economical on metal and strong to play with. The figures are full of action and will entice anyone to recreate those famous battles.

As a guideline, you get 5-6 footsoldiers or about 2 horses riders from one ingot of Modelmetal standard metal.

STARTER KITS.

You can start this hobby with any of our starter kits. All you need besides the kits are a domestic cooker, pliers and a small knife or file which we assume you already have.



KIT 1200
Contains: ladle, clamp, 2 handboards, 125g Standardmetal, jar of talcum, 2 moulds of footsoldiers.



KIT 1100
Contains: ladle, clamp, 2 handboards, 75g Standardmetal, bag of talcum, mould of a footsoldier.



KIT 1300
Contains: ladle, 2 clamps, 2 handboards, 375g Standardmetal, jar of talcum, moulds of 2 footsoldiers, cannon, horse and rider.

MOULDS.

There are two different sizes of moulds. Each pack contains 1 mould, colour illustration and 2 handboards, except for the new HOSSBACH 1757, which do not contain any handboards. If you don't have the handboard already, you can get them in accessory pack no.2051. One set of boards will do all your moulds.



Small Moulds
Nos. 15, 22, 23, 24, 33, 50, 58, 59, 60-70.



Large Moulds
Nos. 1, 21, 26, 28, 32, 36-38, 48, 49, 51-57, 60-65, 71-72.



Double Mould No.73

A SHORT HISTORY OF THE PERIOD.

In the eighteenth century the most important powers were Britain, France, Prussia and Austria. The two most important wars in Europe, The Austrian Succession War and The 7 Years War, were fought to decide who would be the leading power in the German Empire. Britain and France fought many colonial wars, in places as far apart as Canada

and India, in order to enlarge their overseas Empires at each others expense. A third theme running through the period is the emergence of Russia as a great power, which she could only become by destroying the might of the other Eastern European states, Sweden, Poland and Turkey, all of whom fought unsuccessfully against her.



40mm Toy Soldiers



RECREATING BATTLES WITH TOY SOLDIERS.

The following collections give you an idea how to build up a large battle step by step. During this period certain basic formation was used in battle which was common throughout different countries. The uniforms were also very similar. Only the colour schemes varied. This means that you can create from the same mould, not only your own army, but also that of your enemy.

COLLECTION 1: INFANTRY.

The infantry was the base in most armies and so also in your collection. You make a platoon from the following moulds:

- No. 15 Musketeer - you need 48
- No. 21 Standardbearer - you need 2
- No. 22 Drummerboy - you need 2
- No. 50 Officer - you need 2

Use colour illustration from no. 15 to paint them as English infantry.



COLLECTION 2: CAVALRY.

The cavalry was most important in those days and a king who could afford to command a large force of cavalry was also very successful. The following moulds will create a cavalry unit.

- No. 11 Charging Trooper - you need 30
- No. 26 Trumpeter - you need 2
- No. 28 Standardbearer - you need 2

Paint your cavalry as your French enemy no. 28.



COLLECTION 3: NEW ARTILLERY.

Our new 12pdr. cannon is a massive piece of artillery and you will need a strong crew to move it into position. Once in place, you will have formidable firing power.

- No. 73 Cannon - you need 3
- No. 71 Crew - you need 3 + 3
- No. 72 Crew - you need 3 + 3.

Paint your artillery crew as English using colour illustration from mould no. 15.

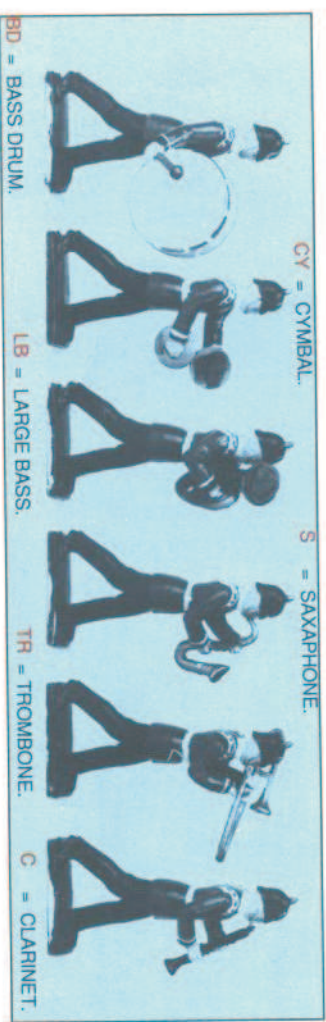


TOY SOLDIERS ON PARADE



Bands have always been a popular item for the Toy Soldier Collector and the military enthusiast alike, combining as they do, military precision and smartness, with all the pomp and grandeur of military music. The Prince August Toysoldier Band Kit contains moulds for different instruments with appropriate arms. These are used together with the marching or standing bodies from Kit No.800 to create a band. The choice of heads available enables you to make a variety of regiments, and the moulds themselves can be casted over and over again so that full sized bands can be made at little cost and effort.

The composition of bands differed in small details from regiment to regiment but the following guidelines are generally applicable to the British Army.



BAND LAYOUT

In a large band six to eight soldiers would march abreast, The colour party (Kit No.801) is another extension set for (Kit No.800), the standing and marching Toysoldiers. The ensign carry the Queen's colour and the regimental colour, and are flanked by a guard of honour, standing in attention.

An officer stands before two standards with his sword held down in "salute" whilst another officer salutes by his side.

TR	TR	TR	TR	LB	LB	LB	LB	LB	S	S	S	S	S
TR	TR	TR	TR	LB	LB	LB	LB	LB	S	S	S	S	S
TR	TR	TR	TR	SE	SB	SB	SB	SB	F	F	F	F	F
TR	TR	TR	TR	SB	SB	SB	SB	SB	F	F	F	F	F
TR	TR	TR	TR	LB	LB	LB	LB	LB	S	S	S	S	S
TR	TR	TR	TR	LB	LB	LB	LB	LB	S	S	S	S	S

BMI

TOY SOLDIERS ON PARADE



SET NO.800

Basic set. Moulds for making soldiers on parade both marching and at attention. Contains variety of heads, for different regiments, plumes etc.

SET NO.802

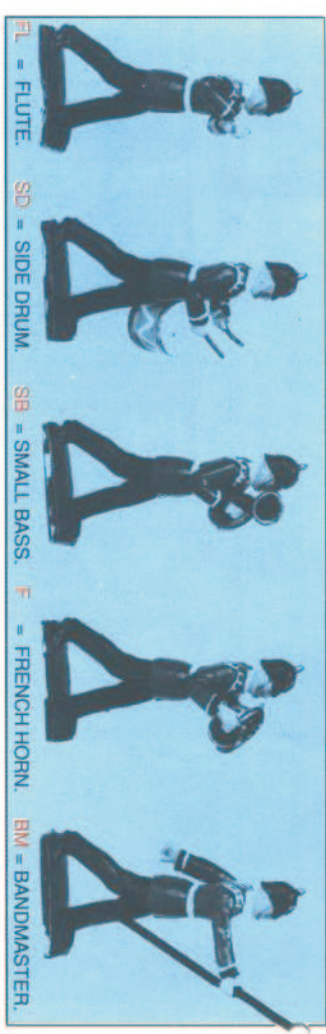
Band 1. To be used with Kit no.800. These moulds will make various musicians - ie. flautists, solo and bass drummers, snare and first bass.

SET NO.803

Band 2. These moulds, used with kit no.800 will make more musicians to complete the band. Contains: trombone, cytrius, french-horn, clarinet, saxophone and bandmaster accessories.

SET NO.801

To be used with kit no.800. These moulds will make the colour party and the ensign carrying officers.



BAND LAYOUT

Please note layouts can alter according to country and band master.

SD	C	C	C	C	FL	FL	FL	FL	FL
SD	C	C	C	C	FL	FL	FL	FL	FL
SD	C	C	C	C	FL	FL	FL	FL	FL
SD	C	C	C	C	FL	FL	FL	FL	FL
SD	C	C	C	C	FL	FL	FL	FL	FL
SD	C	C	C	C	FL	FL	FL	FL	FL



54mm For Collectors

Collecting 54mm soldiers is a hobby we can recommend to anyone who wants to relax in their own home with an interesting pastime. You may think that the pieces look too small and complicated but you will be surprised how your patience develops as you become absorbed by the soothing effect of this hobby. There are many aspects of this hobby as casting, painting, researching and building dioramas. Your final result quite often finds a place on your mantelpiece or bookshelf for the admiration of your friends.

Prince August Collecting 54mm soldiers doesn't make a big hole in your wallet and you get hours of pleasure for every pound spent. You can see the range on the centre spread nos. 401-412.

As a guideline you get 2-3 soldiers from each ingot of Modelmetal.

HOW TO START.

You buy a casting tool kit no. 1400 and a mould of your choice. All you need besides this as we have already mentioned, is a domestic cooker, pliers, a small knife or file, some hobby paint and brushes.



KIT 1400

Contains, ladle, 2 clamps, 6 hardboards, bag of talcum, 75g Modelmetal

ASSEMBLING A 54mm SOLDIER



1. CASTING. If you have followed our instructions, you now have a casting which consists of a body, locket, head and weapon. Pull the casting carefully from the mould



2. TRIMMING. Cut off the parts from the ingate with a pliers, trim the joints and any flash and parting line. A common mistake is that the neck is not trimmed short enough. Make sure the pieces fit well together.



3. GLUING. Use Bostik Hyperbond 5 min Epoxy or Superglue. Hold the pieces together until the glue has set or put on a piece of plasticine while the glue is setting. Do not glue the swords until painted.



MOULDS

There are two different sizes of moulds. Each contains a mould, 2 hardboards and full colour illustration showing both front and back views. Nos. 401-405, 407-412; No. 406.

54mm For Collectors



For the collector and military enthusiast Prince August has a large range of moulds in 54mm scale. These figures are fully rounded and contain the wealth of detail and precision that the connoisseur has come to expect. The latest figure in this series is a mounted Prussian Cuirassier Standard Bearer Circa 1757.

The figure has been meticulously researched and comes in a kit containing three moulds. Swords, pistol housings and standard pole are casted separately from the main figure and attached after the casting is complete. The horse is also cast in two sections and is assembled after casting.

Cuirassiers were some of the most impressive troops in the Prussian Army in the age of Frederick the Great.

They were classed as "Heavy Cavalry" and were used to crush enemy cavalry and peice the battle line.

In all there were twelve Cuirassier regiments of the line and one "Garde du Corps" regiment each with its own distinctive standards and regimental colours. The Prince August kit contains painting instructions for all 13 Cuirassier regiments, and a sheet of printed standards. There is also the special standard pole for the "Garde du Corps" so that a mounted standard bearer from every Cuirassier regiment in the Prussian army can be casted from one kit at a fraction of the cost of a similarly finely detailed ready-made model.



KIT 413-



Chess Sets



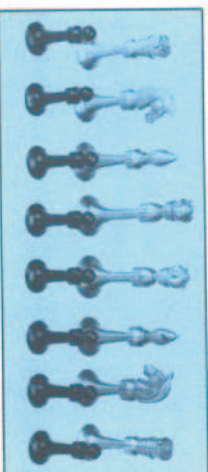
Fantasy chess set

Have you ever admired a metal chess set for its beauty or its heavy balanced feeling? When you saw the price tag you probably said: "I cannot afford that!" However, now you can afford it without chess mould kits. In a couple of evenings you can make a complete set of 32 pieces. It is so easy that anyone can manage it, and you will probably find it so enjoyable that you will make a few more to give away as valuable gifts.

Picture: 3) Chess kit.

You can start this hobby with one of our Chess Mould Kits. You also need a Sifter Kit No.1 400 if you do not have our casting equipment already, plus 2 packs of Modelmetal or Standard Metal.

We assume you already have a domestic cooker, piers, small knife or file, steelwool, paints and brushes.



staunton chess set.



Kit 707 Fantasy King approx. 56 mm high
Kit 708 Secrett unill Summer 1998.

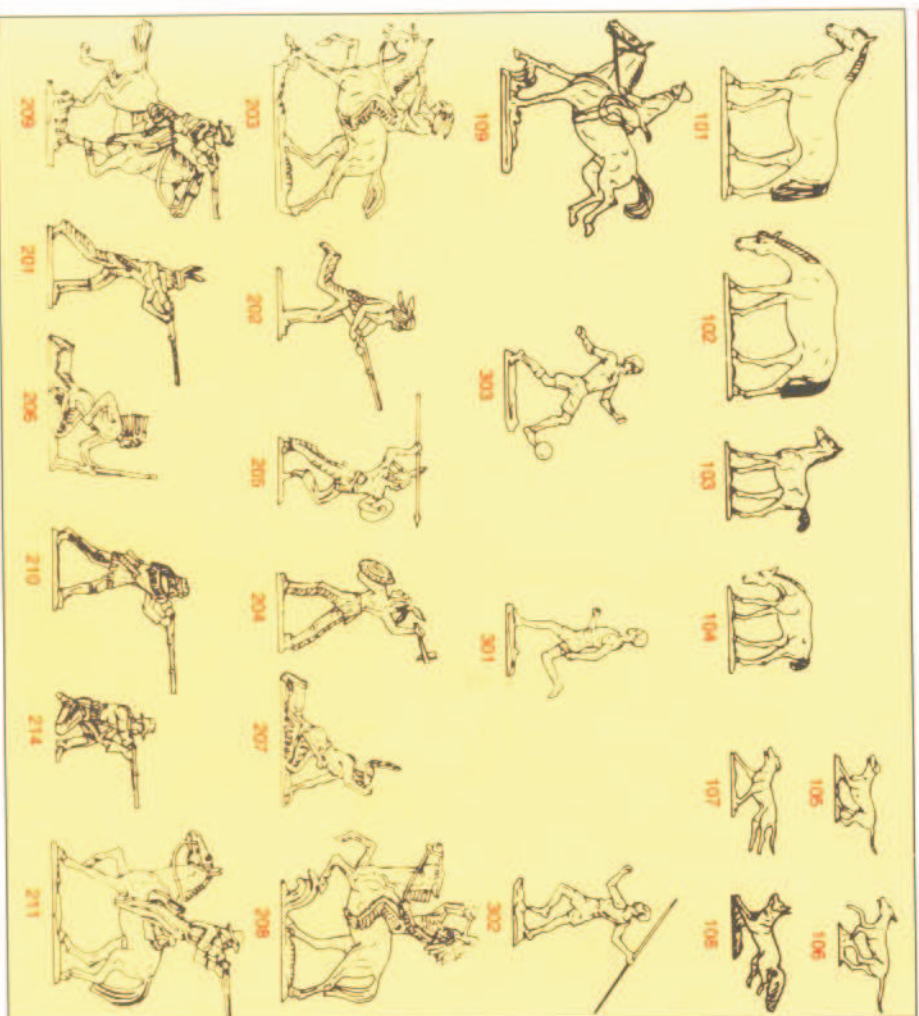
Kit 700 Staunton King approx. 65 mm high.




Non Military



For people who like something non-military we have a range of moulds with animals, cowboys and indians. The figures are 40mm scale and fully rounded except Nos. 203, 208, 209 and 211, which are semi-rounded. As a guideline you get 3-4 foot figures or 1 horse from one ingot of modelmetal or standardmetal. You may start this hobby with a casting tool kit no.1400 and the mould of your choice. A particularly attractive mould kit for the riding enthusiast is our hunting scene kit no. 110 which contains moulds for rider, 3 dogs, fox, paints and paint brush.



Fault Finding Chart

 PROBLEM	CHECK.	ACTION.	Para. No.
Metal not melting		<ul style="list-style-type: none"> Use a gas or electric cooker or high unit metal is molten, then reduce heat. Do not try to melt the talcum powder, melt the badge or bar. 	3
Smoke coming from ladle		<ul style="list-style-type: none"> The ladle is covered with a rust protector which will burn off for the first five minutes. No action necessary. 	
Metal is not flowing into all parts		<ul style="list-style-type: none"> No talcum powder. The mould needs a thin coat which helps air to escape. Too much talcum powder is blocking the details. Metal not hot enough. Test temperature with a match. Metal is too hot. Smoke gasses are pressing metal back. Mould needs an airvent. Make a hole right through mould half in the missing part with a 1/16" smm drill bit or a yawl. You can also make a very small channel from the missing part to the top of the mould. Use Modelmetal. No other metal casts as well. Do not use a vise for clamping the mould; because it will lock the air into the mould. Use Prince August Clamps or rubber bands. Use Prince August talcum. Not all talcum powders are suitable. Pour the metal to the top of the mould to get full gravity pressure. Tap the mould to shake down the metal. 	1 1 3 3 3 4 4 4

Having problems obtaining our products?

Please write to us at:

PRINCE AUGUST MOULDS LIMITED,
Kilnamartyra, Macroom, Ireland.




The next time you are touring Ireland, call in to our factory shop for moulds, accessories,

tees and grass matting, plaster and the full range of Molak paints and brushes!!!



Fault Finding Chart

 PROBLEM	CHECK.	ACTION.	Para. No.
Smoke coming from mould while pouring.		<ul style="list-style-type: none"> Metal too hot. Melt more metal to cool and, check temperature with match. No talcum powder on mould. Powder mould. 	3 1
Flash on casting.		<ul style="list-style-type: none"> Mould not clamped right. Use one clamp with pressure point in the centre or two clamps on each side. Mould too hot in the centre. Leave mould to allow heat to spread evenly. 	2 4
Mould leaks		<ul style="list-style-type: none"> Mould not clamped right. Use one clamp with pressure point in the centre or two clamps at each side. For certain big moulds it might be necessary to use four clamps. Check if there is a gap between mould halves. When opening the mould you might have bent the mould getting a casting out. Rectify this by bending halves towards each other. You have not put the hardware on the mould. This is essential to apply even pressure. Put a clamp over the leaking point. If above actions don't help, do the following: Where the metal is leaking from the figure, cut a v-shaped airvent going to the top of the mould with a hobby knife. It stops the escaping air from paring the moulds while pouring the metal. 	2 2
Mould exploding		<ul style="list-style-type: none"> Do not cool mould or metal with water. Even a small amount of dampness could be dangerous. 	
Part of figure buried in the mould half		<ul style="list-style-type: none"> It is quite normal on a complex figure. It is sometimes necessary to cut or drill an airvent into the detail. 	

* Casting in our moulds is normally very easy. However, should you have a casting problem, consult our fault finding charts. Look up your problem in the left-hand column. See what possible action to take in the action column. In the right-hand column you will see what instruction paragraph on page 2-3 you should read up on again.



Type of Metal	Melting temp	Casting temp	Details	Success rate	Strength of casting	Mould life time	Price range	Available from	Comments
Modelmetal	140°C	200°C	100%	90%	50%	300-1000	High	Prince August Stockists	Best casting metal on the market
Standardmetal	230°C	325°C	80%	70%	50%	100-500	Medium	Prince August Stockist	An economical alternative to modelmetal
40% tin-60% lead	230°C	300°C	60%	60%	70%	100-500	Medium	Some Hardware Stores	A good all round metal
48% tin-2% antimony-50% lead	185°C	275°C	80%	70%	90%	200-1000	High	Some Hardware Stores	Very fine metal finish. Suitable for antiqued figures
Linotype Printers Metal	230°C	300°C	40%	45%	50%	100-500	Low	Some Printers Scrapdealers	Recommended if you want quantity instead of quality
Monotype Printers Metal	230°C	300°C	60%	60%	40%	100-500	Low	Some Printers Scrapdealers	Recommended if you want quantity instead of quality
Lead	312°C							Old Pipes, Old Bullets, Tyre Weights	Not suitable
90% lead-10% tin	235°C	300°C	40%	40%	50%	100-500	Cheap		If you have lead scrap you can add tin to make into a suitable casting metal
2 part lead-1 part modelmetal	220°C	300°C	45%	45%	50%	100-500	Cheap		If you have lead scrap you can add modelmetal to make it into suitable casting metal
White Metal	185-275°C								All tin-lead alloys is called white metal. Might be suitable
Pewter	240°C	300°C	20%	20%	90%	100-500	Very High	Some Scrapdealer	Not very suitable
1 part pewter-1 part lead	190°C	275°C	75%	65%	90%	200-1000	High	Some Scrapdealer	Very fine metal finish
Solder	180-230°C						Medium-High	Hardware Stores	Depending on alloy, could be very suitable
Zinc									Not suitable
Aluminium									Not suitable
Iron									Not suitable



Metal Information

This chart will give you an idea of what other low melting point alloys you can use for casting. If you have some scrap metal in the form of lead flashing, tyre balance weights, solder etc. After a bit of experimenting you can achieve satisfactory results particularly if you compromise a little on the quality to get a really large army. Ratings and lifetimes are only given as an average for all moulds. Certain moulds, particularly the 54mm range and fantasy, are much more difficult to cast.

How the metal enters a mould:

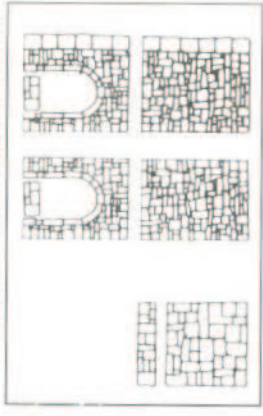
First, the metal goes to the bottom of the mould. At the same time as the metal goes in, the air has to be passed out, either by going out back through the ingate or through the moulds parting line. Most air goes out through the parting line helped by the microscopical channels the talcum powder creates and a slight opening of the two halves allowed by the flexible Prince August clamp. As you are pouring, the metal is increasing the pressure on the air to escape with gravity fore. It is therefore important that you fill the mould to the top and also have the metal so hot that it is still liquid in the bottom when it reaches the top of the ingate. As the moulds do not withstand temperatures over 375°C you can see one of the reasons why higher melting point alloys do not produce as good a result as lower melting point ones. If you cut airvents, the moulds will fill faster as the air goes out faster, thus making it more suitable for higher melting point alloys. When you cut airvents remember that, once the metal has reached the level of the airvent, it blocks the vent. So you might have to cut several airvents to achieve perfect results. If you cut very fine channels, they will not be seen on your finished casting or destroy any details. An airvent will not reduce the life-time of the mould.

Accessories



PRICE GUIDE

- 2040 Talcum powder in a handy plastic jar with dusting pad. Lasts for hundreds of castings.
- 2041 Clamp, made of chromeplated steel wire to give the right pressure for problem free casting.
- 2042 Ladle, holds 2 ingots. Suitable for both gas and electric cooker.
- 2046 File, a special file for white metals.
- 2047 Modelmetal, 125g ingot.
- 2048 Modelmetal 375g ingot.
- 2050 Paper Flags, 6 unpainted flags for mould
- 2051 Hardboards, set of 6 boards to suite all types of moulds.
- 2052 Brush super detail No.00.
- 2053 Brush super detail No. 1.
- 2054 Brush super detail No. 3.
- 2055 Standards, set of 27 unpainted standards for kit no. 413.
- 2056 Flags, set of unpainted flags for moulds 537-542.
- 2058 Standard Metal 375g ingot. Our most economical alloy.



No. 630 - DUNGEON BUILDER BASIC
 Contains: 3 rubber moulds for 4 walls and 4 floor sections, 2 plastic printers, instructions and plans.



No. 632 - DUNGEON BUILDER PLASTER
 Contains: 750grams fine casting plaster.

Dungeon Builder

Simply bored with your simple board? Tired of using curly cardboard cutouts for floor layouts in your Dungeon? Well, here is a system that won't slide around the table or knock your figures over. Dungeon builder is the set with which you cast floor and wall sections so that you can construct in three dimensions Dungeon areas of any size. Simply glue your floor tiles into position and insert your wall sections in the gaps as necessary. 3D, versatile and reusable.

With the eight sections from the Dungeon Builder Basic Set you can build any dungeon layout necessary. Each section is 8mm thick and has a stone finish on both sides. Cast in moulds with fine casting plaster they are easily made and readily mass-produced. It takes no great skill to turn out perfect pieces. With each 750g pack of plaster you will, for example, be able to cast 28 wall sections or 42 floor tiles.

TO MAKE YOUR SYSTEM.

Take a board, say 760mm square, and onto this glue your floor tiles, leaving an 8mm gap between them. To build your dungeon simply insert your wall or doorway pieces into the gaps or else fill them with the appropriate floor inserts. Any size area can be built, whether it is a tiny cell for entrapped adventurers, a throne room for the Hobgoblin King or a bewildering maze to capture a weary party of dungeon explorers.



No. 631 - DUNGEON BUILDER ACCESSORY
 Contains: 1 rubber mould for a door and trap-door for metalcasting.