



*D.C.*  
Christmas Box  
Containing the following  
Bagatelles

Goosy Goosy Gander.	Hot Cross Bunn.
See Saw Margery Daw.	Three Children Sliding on the Ice.
Little Jack Horner, Sat in a Corner.	Hush aby Baby upon the Tree Top.
Hey Diddle Diddle. The Cat & the Fiddle.	Who Comes here, a Grenadier.
Tell Tale Tit.	See Saw. Saccaradaw.
How does my Ladies Garden Grow.	Make a Cake make a Cake Bakers Man.

Set to Music by  
*M<sup>r</sup> Mook*

Price 2<sup>s</sup> 6<sup>d</sup>

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THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 351

PROBLEM SET 1

DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

SECTION: \_\_\_\_\_

1. A particle of mass  $m$  moves in a circular path of radius  $r$  with constant speed  $v$ . Calculate the magnitude of the centripetal force.

2. A block of mass  $M$  is pushed up a frictionless incline of length  $L$  and height  $h$ . Calculate the work done by the applied force.

3. A spring with spring constant  $k$  is stretched from its natural length by a distance  $x$ . Calculate the work done by the spring force.

4. A particle of mass  $m$  moves in a circular path of radius  $r$  with constant speed  $v$ . Calculate the magnitude of the centripetal force.

5. A block of mass  $M$  is pushed up a frictionless incline of length  $L$  and height  $h$ . Calculate the work done by the applied force.

# GOOSY GOOSY GANDER.

TRIO. Vivace.

Voce. 1<sup>mo</sup>  
Goosy Goosy Gander where shall I wan- - der, up stairs down stairs

Voce. 2<sup>do</sup>  
Goosy Goosy Gander where shall I wan- - der, up stairs down stairs

Piano Forte.

Voce. 3<sup>o</sup>  
Goosy Goosy Gander where shall I wan- - der, up stairs down stairs

in my Lady's Chamber. Old Father long legs would not say his Pray'rs, Old Father

in my Lady's Chamber. Old Father long legs would not say his Pray'rs, Old Father

in my Lady's Chamber. Old Father long legs would not say his Pray'rs, Old Father

long legs would not say his pray'rs, take him by the left leg, take him by the

long legs would not say his pray'rs, take him by the

long legs would not say his pray'rs,

left. leg, take him by the left leg and throw him down stairs.

left leg, take him by the left leg and throw him down stairs.

take him by the left leg and throw him down stairs.

# SEE SAW MARGERY DAW

## TRIO Andantino

1<sup>st</sup> Voice

Musical notation for the first voice part of the first system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

See saw Margery Daw, fold her old Bed, and lay in the straw, fee saw

2<sup>d</sup> Voice

Musical notation for the second voice part of the first system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

See saw Margery Daw, fold her old Bed, and lay in the straw, fee saw

3<sup>d</sup> Voice

Musical notation for the third voice part of the first system, featuring a bass clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

See saw Margery Daw, fold her old Bed, and lay in the straw, fee saw

Piano Forte

or

Harp

Musical notation for the piano or harp accompaniment of the first system, featuring a grand staff with treble and bass clefs, a key signature of two sharps (F# and C#), and a 6/8 time signature. The accompaniment consists of chords and moving lines.

Musical notation for the first voice part of the second system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

Margery Daw, fold her old Bed, and lay in the straw. Was not she a filly old Slut, to

Musical notation for the second voice part of the second system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

Margery Daw, fold her old Bed, and lay in the straw. Was not she a filly old Slut, to

Musical notation for the third voice part of the second system, featuring a bass clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

Margery Daw, fold her old Bed, and lay in the straw. Was not she a filly old Slut, to

Musical notation for the piano or harp accompaniment of the second system, featuring a grand staff with treble and bass clefs, a key signature of two sharps (F# and C#), and a 6/8 time signature. The accompaniment consists of chords and moving lines.

Musical notation for the first voice part of the third system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

fell her old Bed and to lay in the dirt. fee saw Margery Daw. fold her old Bed and

Musical notation for the second voice part of the third system, featuring a treble clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

fell her old Bed and to lay in the dirt. fee saw Margery Daw. fold her old Bed and

Musical notation for the third voice part of the third system, featuring a bass clef, a key signature of two sharps (F# and C#), and a 6/8 time signature. The melody consists of eighth and sixteenth notes.

fell her old Bed and to lay in the dirt. fee saw Margery Daw. fold her old Bed and

Musical notation for the piano or harp accompaniment of the third system, featuring a grand staff with treble and bass clefs, a key signature of two sharps (F# and C#), and a 6/8 time signature. The accompaniment consists of chords and moving lines.

lay in the straw. fee faw Margery Daw, fold her old Bed and lay in the straw. *Expres:*

lay in the straw. fee faw Margery Daw, fold her old Bed and lay in the straw. *Expres:*

lay in the straw. fee faw Margery Daw, fold her old Bed and lay in the straw. *Expres:*

**DUO Andantino LITTLE JACK HORNER.**

1<sup>t</sup> Voice Little Jack Horner fat in a Cor-ner eat-ing a Christmas

2<sup>d</sup> Voice Little Jack Horner fat in a Cor-ner eat-ing a Christmas

Piano Forte or Harp

1<sup>t</sup> 2<sup>d</sup>  
Pye, Pye. He put in his Thumb and he pull'd out a plumb crying what a good Boy am

1<sup>t</sup> 2<sup>d</sup>  
Pye, Pye. He put in his Thumb and he pull'd out a plumb crying what a good Boy am

I. he put in his Thumb and he pull'd out a plumb, crying what a good Boy am I.

I. he put in his Thumb and he pull'd out a plumb, crying what a good Boy am I.

HEY DIDDLE DIDDLE THE CAT AND THE FIDDLE.

Duo Allegro

Hey diddle diddle the Cat and the Fiddle, the Cow fkipt over the

Hey diddle diddle the Cat and the Fiddle, the Cow fkipt over the

Moon. the Lit - tle Dog laugh'd to fee the fine sport, the

Moon. the Lit - tle Dog laugh'd to fee the fine sport, the

little Dog laugh'd to fee the fine sport, and the dish ran a - way with the

little Dog laugh'd to fee the fine sport, and the dish ran a - way with the

spoon, the dish the dish ran a - way with the spoon.

spoon, the dish the dish ran a - way with the spoon.

TELL TALE TIT.

DUO. Vivace.

Tell tale tit, Tell tale tit, Tell tale tit, your Tongue shall be slit. Tell tale tit, your

Tongue shall be slit, Tell tale tit your Tongue shall be slit, and all the Dogs in the town, all the Dogs in the town

all the Dogs in the town shall have a bit, shall have a bit - shall have a bit, Tell tale tit your

Tongue shall be slit, tell tale tit your Tongue shall be slit, and all the Dogs in the town, all the Dogs in the town,

all the Dogs in the town shall have a bit, and all the Dogs in the town shall have a bit.

# HOT CROSS BUNNS

TRIO Allegro

Voce 1<sup>o</sup>

Voce 2<sup>o</sup>

Piano Forte

Voce 3<sup>o</sup>

One a Penny two a Penny hot cross Bunns, one a Penny

One a Penny two a Penny hot cross

Bunns,

One a Penny two a Penny hot cross Bunns, one a Penny

two a penny hot cross Bunns, if you have no daughters, if you have no daughters, if you have no

Bunns hot cross Bunns, if you have no daughters, if you have no daughters, if you have no

two a penny hot cross Bunns, if you have no daughters, if you have no daughters, if you have no

daughters pray give them to your Sons. But if you have none of these little Elves,

daughters pray give them to your Sons. But if you have none of

daughters pray give them to your Sons. But if you have none of these little Elves,

these little Elves, then you may eat them, then you may eat them eat them eat them

these lit\_tle Elves, then you may eat them, then you may eat them eat them eat them

these lit\_tle Elves, then you may eat them, then you may eat them eat them eat them

eat them eat them, then you may eat them all your selves.

eat them eat them, then you may eat them all your selves.

eat them eat them, then you may eat them all your selves.

**TRIO Vivace SEE SAW SACARADOWN**

Voce 1.<sup>o</sup> See faw fa-ca-radown which is the way to London Town. See faw

Voce 2.<sup>o</sup> See faw fa-ca-radown which is the way to London Town. See faw

Piano Forte

Voce 3.<sup>o</sup> See faw fa-ca-radown which is the way to London Town. See faw

fa-ca-radown which is the way to London Town. One foot up and tother foot down, one foot up and

fa-ca-radown which is the way to London Town. One foot up and tother foot down, one foot up and

fa-ca-radown which is the way to London Town. and tother foot down, and

tother foot down, this is the way to London Town. this is the way to London Town.

tother foot down, this is the way to London Town. this is the way to London Town.

tother foot down, this is the way to London Town. this is the way to London Town.

## HOW DOES MY LADYS GARDEN GROW.

DUO. Allegretto.

Voce. 1<sup>mo</sup>

How does my Lady's garden grow, How does my Ladys garden grow, with

Voce. 2<sup>do</sup>

How does my Ladys garden grow, with

Piano  
Forte or  
Harp.

Silver Bells and Cockle shells, and pretty Maids all in a row, How does my Lady's garden grow,

Silver Bells and Cockle shells, and pretty Maids all in a row, How does my Lady's garden grow,

how does my Ladys garden grow, with Silver bells and Cockle shells, and pretty Maids all in a

how does my Ladys garden grow, with Silver bells and Cockle shells, and pretty Maids all in a

row, with Silver bells and cockle shells, and pretty Maids all in a row.

row, with Silver bells and cockle shells, and pretty Maids all in a row.

# HUSHABY BABY.

TRIO. Con molto Espressione.

Voce. 1.

Hushaby Baby up - on the Tree top, when the wind blows, the Cradle will rock.

Voce. 2.

Hushaby Baby up - on the Tree top, when the wind blows, the Cradle will rock.

Piano Forte.

Andantino

Voce. 3.

Hushaby Baby up - on the Tree top, when the wind blows, the Cradle will rock.

When the bough breaks the Cradle will fall when the bough breaks the Cradle will fall

When the bough breaks the Cradle will fall when the bough breaks the Cradle will fall

the Cradle will fall the Cradle will fall

down tumbles Baby and Cradle and all, down tumbles Baby and Cradle and all,

down tumbles Baby and Cradle and all, down tumbles Baby and Cradle and all

down down tumbles Baby and Cradle and all

Hushaby Husha - by Husha - by Husha - by Ba - by.

Hushaby Husha - by Husha - by Husha - by Ba - by.

Husha - by Husha - by Husha - by Husha - by Ba - by.

Husha - by Husha - by Husha - by Husha - by Ba - by.

Husha - by Husha - by Husha - by Husha - by Ba - by.

Husha - by Husha - by Husha - by Husha - by Ba - by.

Husha - by Husha - by Husha - by Husha - by Ba - by.

# WHO COMES THERE.

TRIO. Moderato.

Voce. 1<sup>o</sup>

Who comes there Who comes there what do you want, pray

Voce. 2<sup>o</sup>

Who comes there Who comes there what do you want, pray

Piano Forte.

Voce. 3<sup>o</sup>

A Grenadier A Grenadier a pot of

what do you want a pot of Beer a pot of beer you want a pot of beer.

what do you want a pot of Beer a pot of beer you want a pot of beer.

beer a pot of beer a pot of beer a pot of beer a pot of beer.

where's your Mo-ney where's your Mo-ney get you

where's your Mo-ney where's your Mo-ney

I've for-got I've for-got

gone you drunken Sot get you gone you drunken Sot, get you gone get you gone get you  
 get you gone you drunken Sot get you gone you Sot, get you gone get you gone get you  
 I've forgot I've forgot I've forgot my

gone you drunken sot, where's your money where's your money get you  
 gone you drunken sot, where's your money where's your money get you  
 money I've forgot I've forgot I've forgot I've for -

gone get you gone get you gone you drunken sot, get you gone you drunken sot.  
 gone get you gone get you gone you drunken sot, get you gone you drunken sot.  
 -- got I've forgot I've forgot I've forgot my money I've forgot.

12 TRIO

THREE CHILDREN SLIDING ON THE ICE

Andantino poco lento

Voce 1°

Voce 2°

Piano Forte or Harp

Voce 3°

Three Children sliding on the Ice all on a Summers Day

Three Children sliding on the Ice all on a Summers Day

Three Children sliding on the Ice all on a Summers Day

Three Children sliding on the Ice all on a Summers day. it so fell out they

Three Children sliding on the Ice all on a Summers day. it so fell out they

Three Children sliding on the Ice all on a Summers day. they

all fell in, it so fell out they all fell in the rest they ran a-way, it so fell out they

all fell in, it so fell out they all fell in the rest they ran a-way, they

all fell in, they all fell in the rest they ran a-way,

all fell in, it so fell out they all fell in, the rest they ran a-way.

all fell in, it so fell out they all fell in, the rest they ran a-way.

it so fell out they all fell in, the rest they ran a-way.

Now had these Children been at school,  
Or sliding on dry ground,  
T'n thousand pounds to one penny,  
They had not all been drown'd.

Ye Parents that have Children dear,  
And eke ye that have none,  
If you would have them safe abroad,  
Pray keep them safe at home.

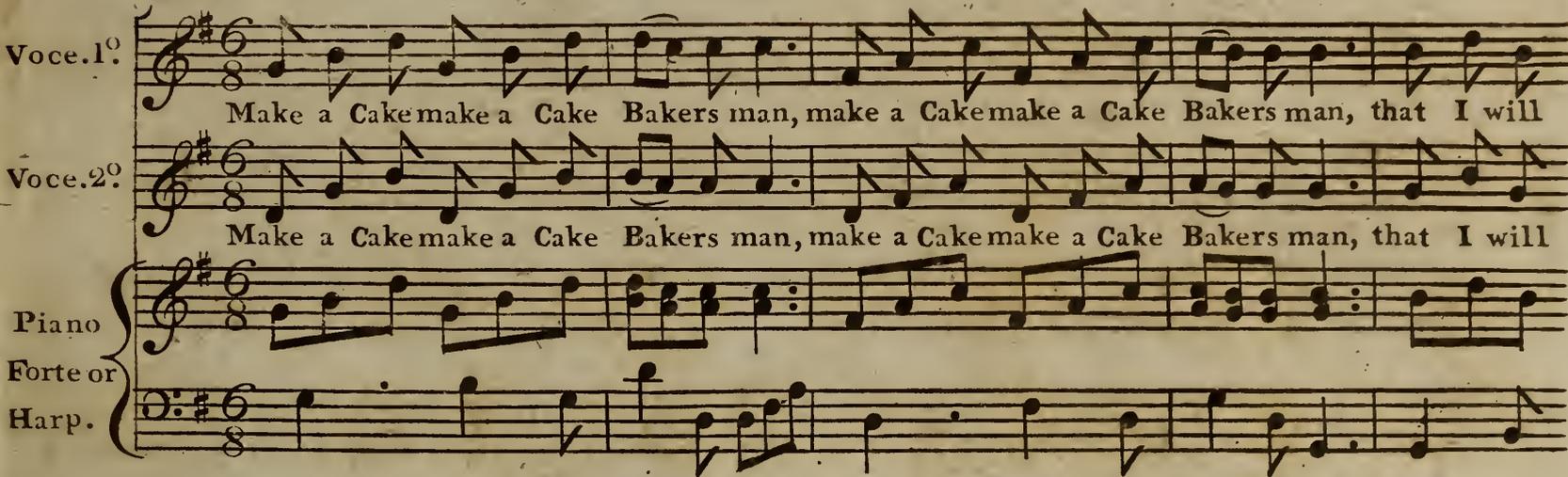
# MAKE A CAKE BAKERS MAN.

Duo. Vivace.

Voce. 1.<sup>o</sup>  
Make a Cake make a Cake Bakers man, make a Cake make a Cake Bakers man, that I will

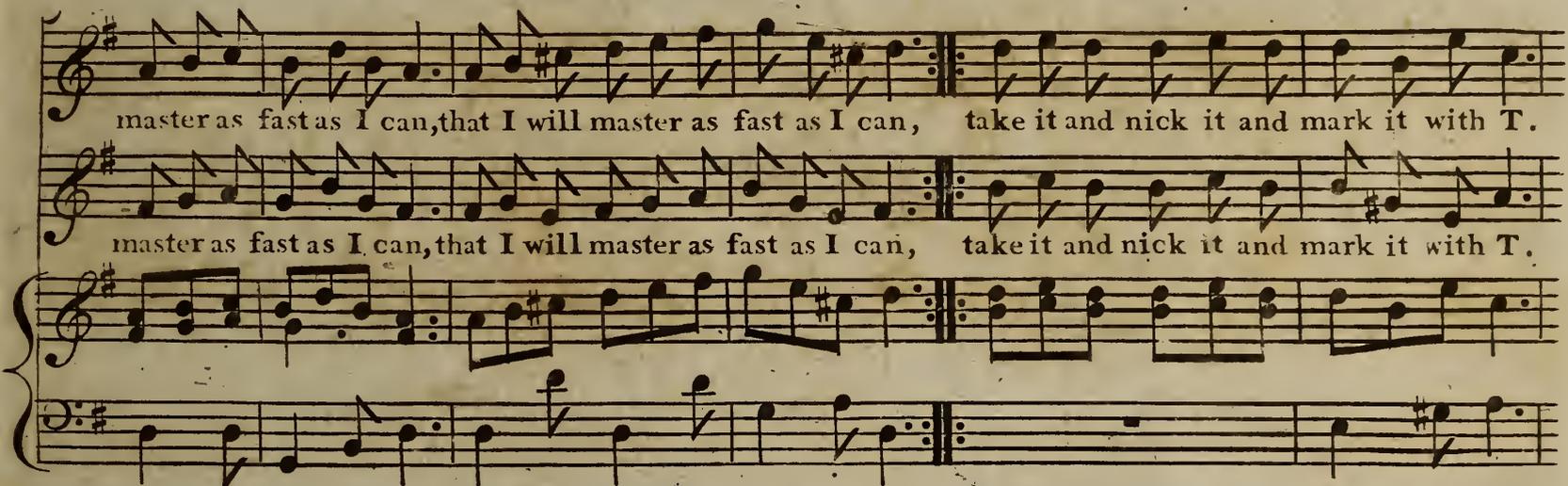
Voce. 2.<sup>o</sup>  
Make a Cake make a Cake Bakers man, make a Cake make a Cake Bakers man, that I will

Piano  
Forte or  
Harp.



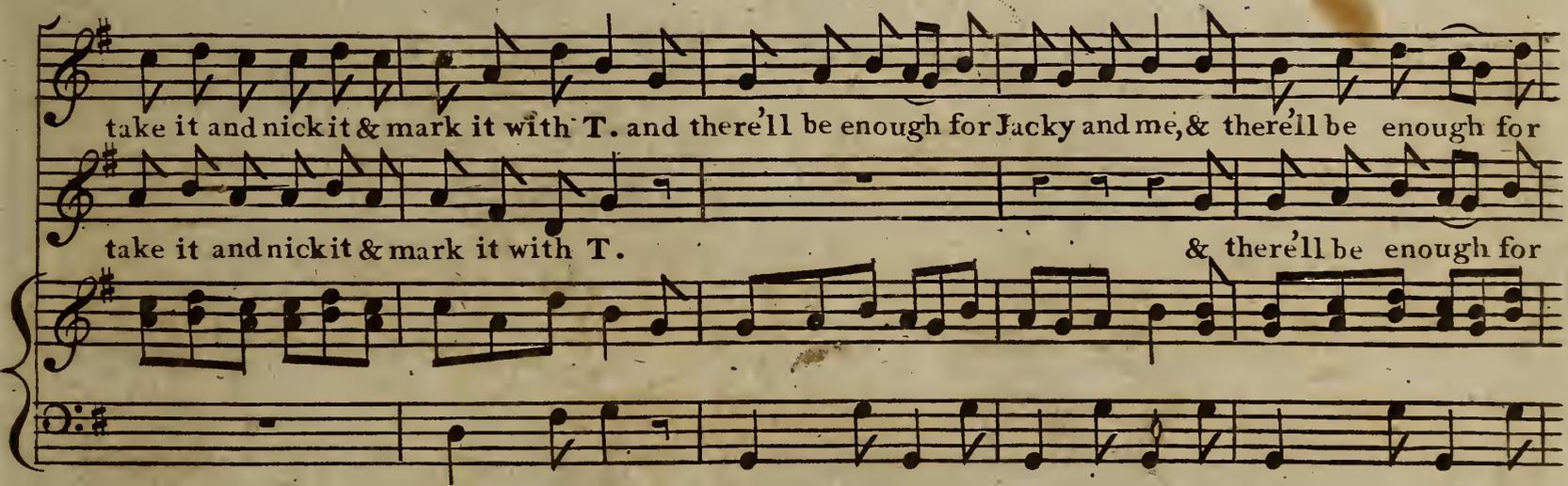
master as fast as I can, that I will master as fast as I can, take it and nick it and mark it with T.

master as fast as I can, that I will master as fast as I can, take it and nick it and mark it with T.



take it and nick it & mark it with T. and there'll be enough for Jacky and me, & there'll be enough for

take it and nick it & mark it with T. & there'll be enough for



Jacky and me, there'll be enough there'll be enough and there'll be enough for Jacky and me.

Jacky and me, there'll be enough there'll be enough and there'll be enough for Jacky and me.

